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Abbreviations and Acronyms

This list of abbreviations and acronyms used in the *Agricultural Outlook* is provided for the convenience of our readers. Commonly used abbreviations and acronyms typically are not spelled out in the text.

a	acre	FE	Far East
ACRE	Average Crop Revenue Election	FFV	flex-fuel vehicle
AI	avian influenza	FMD	foot-and-mouth disease
AWP	adjusted world price	FOB	free on board
BSE	bovine spongiform encephalopathy	FY	fiscal year
bu	bushel	GDP	gross domestic product
CAP	Common Agricultural Policy	GMO	genetically modified organism
CBO	Congressional Budget Office	ha	hectare
CCC	Commodity Credit Corporation	HFCS	high-fructose corn syrup
CCPs	countercyclical payments	kg	kilogram
CIF	cost, insurance, and freight	LDPs	loan deficiency payments
CIS	Commonwealth of Independent States	mha	million hectares
CMO	Common Market Organization	MILC	Milk Income Loss Contract
COOL	Country of Original Labeling	mmt	million metric tons
CPI	Consumer Price Index	mt	metric ton
CRP	Conservation Reserve Program	NAFTA	North American Free Trade Agreement
cwt	hundredweight	NE	Northern Europe
DDG	distillers dried grains	NFD	nonfat dry (milk)
DDGS	distillers dried grains with solubles	NFI	net farm income
DPs	direct payments	OECD	Organization for Economic Cooperation and Development
EISA	Energy Independence and Security Act of 2007	RFS2	Renewable Fuel Standard under EISA
EPA	U.S. Environmental Protection Agency	RINs	Renewable Identification Numbers
EU	27 member states of the European Union	ROW	Rest-of-World
EU-15	15 member states of the European Union, prior to 2004 enlargement	SFP	Single Farm Payment (CAP reform)
EU NMS	12 European Union New Member States, after 2004 and 2007 enlargement	SPS	sanitary and phytosanitary
FAPRI	Food and Agricultural Policy Research Institute	SURE	Supplemental Revenue Assistance Payments program
FCEA	Food, Conservation, and Energy Act of 2008 (2008 farm bill)	tmt	thousand metric tons
		TRQ	tariff rate quota
		USDA	U.S. Department of Agriculture
		WMP	whole milk powder
		WTO	World Trade Organization

Data Notes

Data Sources

Most U.S. commodity supply and use information is obtained from USDA reports issued by the Economic Research Service, the World Agricultural Outlook Board, the Farm Service Agency, and the National Agricultural Statistics Service. This information is supplemented with information from a number of other public and private sources, including the Energy Information Administration, state governments, and trade groups.

The international models use the USDA PSD database as the primary source of supply and utilization data. This is then supplemented with the FAO database and other specialized data sources when needed. For example, major sources for the Brazil module include the Brazilian Institute for Geography and Statistics (IBGE); National Company of Food Supply (CONAB); Brazilian Agricultural Research Corporation (Embrapa); Ministry of Development, Industry and Trade (MDIC); Sugarcane Industry Association (UNICA); National Agency of Petroleum, Natural Gas, and Biofuels (ANP); and the Center for Advanced Studies and Applied Economics (CEPEA).

Macroeconomic variables are from the International Financial Statistics database, which is extended using IHS Global Insight projections. Population data and projections are from the U.S. Bureau of the Census International Database. Policies relating to domestic support, border protection, and export subsidies are from the World Trade Organization database. Costs and prices are from various sources, including government as well as industry publications.

U.S. Marketing Year Definitions for Specified Commodities

Barley: June 1 to May 31.

Corn for Grain: September 1 to August 31.

Cotton: August 1 to July 31.

Oats: June 1 to May 31.

Peanuts: August 1 to July 31.

Rice: August 1 to July 31.

Sorghum for Grain: September 1 to August 31.

Soybeans: September 1 to August 31.

Sugar: October 1 to September 30.

Sunflower: September 1 to August 31.

Wheat: June 1 to May 31.

Livestock, dairy complex and international ethanol: years are calendar years.

Government outlays are on a fiscal-year basis (Oct. 1—Sept. 30, with the *second* year being the one used as an identifier—for example, FY 2007 = Oct. 1, 2006–Sept. 30, 2007).

Farm income data are on a calendar-year basis.

International Marketing Year Definitions for Specified Commodities

Grains, rice, oilseeds, and cotton: USDA-FAS PS&D data are used, which are in local marketing years. Local marketing years differ by country and by commodity. The first year listed is the beginning year of a country's local marketing year for that commodity (for example, 1990/91 represents local marketing year starting in 1990 and ending in 1991), except in the case of southern hemisphere countries, which use the second year to denote the beginning of the local marketing year.

Sugar: the year listed is the last year of the countries' local marketing year (for example, 1990 represents 1989/90).

Livestock and dairy complex: years are calendar years.

Executive Summary

The *FAPRI 2010 U.S. and World Agricultural Outlook* presents projections of world agricultural production, consumption, and trade under average weather patterns, existing farm policy, and policy commitments under current trade agreements and custom unions. The outlook uses a macroeconomic forecast developed by IHS Global Insight.

The slowdown in the world economy in 2009 proved to be deeper and more widespread than originally anticipated, with an annual rate of real GDP growth of -1.9%. However, recovery is projected to begin in 2010, with long-term real GDP growth of 3.3% reached by 2011. With the recovery primarily driven by a fiscal stimulus and restocking of inventory, its sustainability centers on how quickly and robustly confidence is restored and the employment picture is improved, leading to transition into private consumption and investment demand for medium- to longer-term growth. Also, the economic recovery is accompanied by stronger energy prices of \$94.2 per barrel in 2009, a cost pressure that might take some of the steam off the growth momentum. The U.S. dollar made significant gains in 2009 but resumes its real depreciation over the rest of the decade against the currencies of Australia, the EU, New Zealand, and Argentina. Many Asian currencies appreciate in real terms against the U.S. dollar, with China experiencing especially large real appreciations.

In the world ethanol market, the 37% drop in crude oil prices in 2009 as well as the 60% reduction in U.S. ethanol net imports contribute to an 8% decline in the world price of ethanol. The ethanol price is projected to remain relatively stable in 2010 before declining by 9% in 2011. The price of ethanol increases over the rest of the projection period as a result of increased demand brought about by U.S. biofuel mandates. U.S. ethanol imports are expected to come mainly from Brazil, which continues to increase the share of sugarcane production going into ethanol. World net trade increases over the decade, approaching 4.2 billion gallons. Mandates also drive demand for biodiesel in the EU and the Americas and raise net trade to 602 million gallons as well as pushing the world price to \$5.58 per gallon.

In the outlook for sugar, because of the production shortfall in 2009/10, particularly in India, the world price of sugar increases by almost 60%. The price declines by 26%, to 19.0¢/lb, in the following year as countries recover. However, it continues to remain high and reaches 20.4¢/lb by the end of the projection period, as more sugarcane is used for ethanol in Brazil, and sugar imports

of countries like China and the EU remain strong.

The world wheat price drops to \$216 in 2009/10 because of larger crop production in key wheat importing countries, which lowers import demand. After downward pressure from high carryover stocks in 2010/11, the price strengthens and reaches \$222.7 per mt at the end of the decade. With strong competition from Russia and Ukraine, the U.S. loses market share in the world wheat market. U.S. net exports of wheat are projected to decline over the next decade. The world corn price decreases to \$162.9 per mt in 2009/10. It is projected to increase in 2010/11 to \$168.3 per mt and reach \$175.6 per mt in 2019/20. Argentina regains its market share while Brazil loses its market share. The world barley price declines in 2009/10 to \$135 with lower import demand in world markets. It is projected to decline further, to \$131.9, in 2010/11 and to reach \$148 in 2019/20.

World prices of oilseeds remain relatively stable in 2009/10 as the supply rebound (especially for soybeans) is met with increased demand because of the economic recovery. Vegetable oils lead the oilseeds complex, as demand from both food and biodiesel uses expands firmly over the outlook period. While Asian countries, and in particular China and India, underpin much of the food demand growth, consumption mandates in the EU, Argentina, Brazil, and the U.S. strongly expand the usage for biodiesel production. Increased demand for protein meal from the growing and intensifying livestock sector in Asia supports the price of meal against the backdrop of large supplies owing to strong oil-driven crush and relatively stable demand for this commodity from developed countries.

Sanitary/phytosanitary and food safety concerns stemming from disease outbreaks and from traceability issues continued to affect the world meat market. While recovery from the economic recession in 2009 continues, income and population growth raises per capita meat consumption and fuels expansion in world trade. Meat trade is projected to increase by 22.5%, reaching 20.5 mmt in 2019. A recovery in demand, coupled with strong grain prices, keeps all meat prices relatively high over the next decade. Brazil and the U.S. gain significant shares in the world meat market.

Dairy prices declined significantly in 2008/09 as a result of economic recession. They increase in 2010 because of economic recovery. In the long run, growth in population and incomes continues to put upward pressure on dairy prices. Australia, New Zealand, and the EU remain the big exporters. While exports from the EU stagnate, Argentina and Brazil expand their dairy exports. The Asian countries, Russia, and

Overview of the 2010 U.S. and World Outlook

The Macroeconomic Environment

Macroeconomic projections used in the 2010 FAPRI baseline were obtained from IHS Global Insight. The slowdown in the world economy in 2009 proved to be deeper and more widespread than originally anticipated, with an annual rate of real GDP growth of -1.9%. However, recovery is projected to begin in 2010, with long-term real GDP growth of 3.3% reached by 2011. With the recovery primarily driven by a fiscal stimulus and restocking of inventory, its sustainability centers on how quickly and robustly confidence is restored and the employment picture is improved, leading to transition into private consumption and investment demand for medium- to longer-term growth. Also, the economic recovery is accompanied by stronger energy prices of \$94.2 per barrel in 2010, a cost pressure that might take some of the steam off the growth momentum.

The United States, where housing and financial market stress originated, and its closely linked developed country economic partners, such as Japan, the European Union, and Canada, show the greatest impacts of the economic crisis, with an economic slowdown in 2009 of -2.51%, -5.4%, -4.1%, and -2.5%, respectively. The contagion effect in Mexico is even worse at -6.9%.

The Asian economies withstood the economic crisis, posting positive growth in 2009 (for example, China at 8.5% and India at 6.4%), and thus lead the world economic recovery with their aggressive fiscal and monetary policies in support of stimulus spending, quick resumption of capital inflows, and industrial growth momentum after inventory adjustments.

Improved macroeconomic frameworks, lower debt exposure, and larger reserves enabled Latin American and Caribbean countries to respond with appropriate policy initiatives to support economic activity and cushion the impact of the economic slowdown. This region's price inflation is still among the highest, particularly in Argentina and Venezuela.

With both the housing and labor markets still weak in the EU-15, recovery in the rest of the EU will be sluggish. After depreciating in 2009, most currencies of EU members experience real appreciation against the U.S. dollar.

After a decade-long run of high and sustained growth in the CIS, Russia and Ukraine post deep slowdowns at -8.0% and -14.5%, respectively. The rest of the CIS, especially the low-income, non-oil-exporting countries, follow the path of these major regional players. Strengthening of commodity prices is a bright prospect for future growth. The ruble in Russia and the hryvnia in Ukraine depreciated significantly in 2009, but they strengthen in real terms against the U.S. dollar thereafter. Projected price inflation is much lower than in previous periods and remains moderate.

Recent sound policy reforms help economies in Africa respond to alleviate the impact of the economic crisis, and stronger commodity prices give a positive outlook for Africa's economy in the next decade, including GDP growth of 4.6%. Most currencies in the region are stable relative to the U.S. dollar, and price inflation is moderate.

Initiatives to diversify into the non-oil sector (for example, real estate) by countries in the Middle East became the channel of the contagion effects of the economic slowdown. However, improving oil prices give promising growth prospects in this region.

Agricultural and Trade Policy Assumptions

Bioenergy mandates continue to be key drivers in the current outlook. Major energy policies included in the baseline are the U.S. Energy Independence and Security Act (EISA) of 2007, the Renewable Energy Directive of the EU, fuel mandates and regulations for Argentina and Brazil, and producer incentives in Canada. In addition, new provisions in the Food, Conservation, and Energy Act of 2008—the 2008 farm bill—are included in this baseline. Provisions set to expire under both this farm bill and the EISA are assumed to continue throughout the baseline. Another policy change affecting trade in biofuels is the imposition by the EU of anti-dumping and countervailing duties on biodiesel (blends B20 and above) of U.S. origin.

The 2009 world policy environment included the continuing implementation of reforms in the CAP. In particular, the sugar reforms of the EU Common Market Organization were adopted in 2006. The

reforms cover a transitional period from 2006/07 to 2009/10. One of the main goals of the reforms is to reduce sugar quota production by 6 million tons, white value, through voluntary quota reductions and through lower intervention prices. So far, in-quota sugar production has decreased by 5.8 million tons. Although duty-free access to EU markets by least developed countries began in October 2009 under Everything-but-Arms, non-preferential countries continue to face prohibitive import duties on sugar. Beet production over the quota is expected to be used in ethanol production. One of the goals of the EU's Renewable Energy Directive is a 20% share for renewable energy in total energy consumption. This includes a 10% minimum target for renewable energy consumed in transport, part of which is to come from biofuel use. To meet growing demand both within the EU and on global markets, the European Commission decided to increase the milk quota by 2% beginning April 1, 2008. In rice, the EU intervention price mechanism is abolished for 2009/10.

The international reference price for rice has been Thai 100% B; however, the current Thai domestic price insurance scheme and government storage policy has limited Thailand's role as a residual supplier on the world market. Thai exports have increasingly been government-to-government without price transparency in the face of increased competition and downward price pressure from Vietnam rice exports. Consequently, the projected net trade clearing price generated in the international rice model is used as the world reference price in this baseline and is more likely to reflect the Vietnam 5% price.

The outlook assumes recovery from the SPS shocks and trade restrictions in meat markets associated with BSE in North America, FMD in Latin America, especially Argentina, AI in Europe and Asia, and blue ear disease in China.

Under the Uruguay Round Agreement on Agriculture, the commitment schedule of developed countries for export subsidy limits, TRQ expansion, import duty reduction, and domestic support reduction are fixed at 2000 levels. Developing countries had their last reform installment implemented in 2004. All of these commitments are held fixed through 2019/20. The 2010 outlook does not include any conjecture

on policy changes arising from the Doha Round. An extended policy database is available on our Web site and is updated once a year in the spring (www.fapri.iastate.edu/tools/).

The Outlook for U.S. Agriculture

The global recession has had dramatic effects on the U.S. farm sector. Net farm income declined by \$30 billion in 2009, as commodity prices fell far below the peak levels of 2008. A modest forecast recovery of the general economy contributes to a modest projected recovery in the farm economy in 2010.

Livestock, Poultry, and Dairy

Domestic and export demand for meat and dairy products was severely affected by lower incomes and higher unemployment rates in 2009. Meat consumption and exports declined and prices for livestock, poultry, and milk fell. The outlook for 2010 and beyond depends on the strength of the economic recovery. If incomes increase and consumer confidence returns, demand for meat and dairy products will strengthen. Meanwhile, livestock producers have scaled back production in response to the large losses many experienced in 2008 and 2009. The combination of stronger demand and limited supplies should result in at least some price recovery in 2010.

In spite of declining cattle numbers and beef production, cattle prices fell sharply in 2009 because of very weak demand. Reduced beef production and recovery in demand are expected to result in higher cattle prices for the next several years. Eventually, improved profitability encourages another modest expansion of beef production, and cattle prices level off.

Higher feed costs in 2008 and weak demand in 2009 contributed to two straight years of large economic losses to pork producers. The combination of reduced production and recovery in demand should result in higher hog prices in 2010 and 2011. As with beef, a return to profitability results in renewed growth in pork production in later years.

In the poultry sector, low returns resulted in a sharp decline in broiler production in 2009, the first decline in decades. This steep reduction in supplies helped keep broiler prices from dropping as much as cattle and hog prices, and positioned the sector for

resumed growth in 2010. One important concern for the broiler sector is the recent suspension of imports by Russia, a major U.S. export market.

Also of concern to the poultry sector in particular and the meat sector in general are future levels of U.S. meat consumption. After decades of growth, per capita meat consumption began to level off after 2004 and to decline after 2007. Projected meat consumption expands slowly after 2012 but remains well below the 2004 peak.

Milk prices fell sharply from record levels in the final months of 2008 and caused large losses for most dairy producers in 2009. As with the meat sector, the resulting reduction in supplies and the expectation of stronger domestic and foreign demand are expected to result in higher milk prices in 2010 and beyond.

Crops

Grain and oilseed prices have fallen sharply from their mid-2008 peaks but generally remain above levels that prevailed prior to 2007. Increased global grain production, lower oil prices, reduced demand for livestock feed, and slower growth in biofuel production are some of the many factors that caused prices to fall from record highs.

A large 2009 U.S. corn crop put downward pressure on corn prices, in spite of continued increases in the use of corn to make ethanol. Corn acreage is projected to increase in 2010, as expected corn returns appear favorable compared to returns for competing crops. Direct feed use of corn is limited by current weakness in the livestock sector and increased consumption of feeds produced as a coproduct of ethanol production. Projected U.S. corn exports increase moderately over the baseline, capturing a share of the growth in global feed demand.

Record U.S. soybean production in 2009 also puts downward pressure on soybean prices, but the weather-reduced Argentine crop harvested in early 2009 provided some support. The South American crop harvested in early 2010 was expected to be much larger, so demand from China and other countries will have to be very strong to keep prices from falling. In the longer term, growth in global livestock and poultry production, biodiesel use, and Asian vegetable oil consumption all support soybean prices.

The sharp increase in global wheat production has contributed to a dramatic decline in wheat prices from their 2008 peak. This, combined with unfavorable weather conditions in the fall of 2009, results in a sharp decline in 2010 U.S. wheat acreage. U.S. wheat stocks have climbed to levels not experienced in 20 years, so even the sharp projected reduction in U.S. wheat production does not result in a near-term recovery in wheat prices.

The world recession sharply reduced demand for cotton, but reduced global production and signs of economic recovery caused cotton prices to rebound in the final months of 2009. Projected U.S. cotton acreage expands in 2010 after three years of decline.

Consumer Food Prices and Other Aggregate Indicators

Higher prices for farm commodities and energy contributed to 5.5% food price inflation in 2008, the highest rate since 1990. In 2009, the recession resulted in lower farm commodity and energy prices, and food price inflation fell to 1.8%. Projected food price inflation averages about 3% per year between 2010 and 2012, in response to higher prices for meat, dairy products, and petroleum. After 2012, food price inflation averages about 2%, roughly the same as the forecast rate of overall inflation in the U.S. economy.

The sharp decline in net farm income in 2009 occurred because reductions in farm commodity prices far exceeded reductions in production expenses. In 2010, higher livestock receipts cause a modest recovery, but net farm income does not get back to the 2008 level over the course of the 10-year baseline.

Government farm program outlays by the CCC remain moderate, as grain and oilseed prices remain above levels that would trigger marketing loan benefits and CCPs. Participation in the ACRE program established by the 2008 farm bill has been less than anticipated. For the last several years, crop insurance program costs have been constrained, as generally favorable weather has limited indemnities. With crop prices, crop insurance premiums, and premium subsidies all well above pre-2007 levels, crop insurance outlays could increase sharply if less favorable weather results in greater indemnities. Projected outlays on the crop insurance program approach total spending on other farm programs.

Alternative Baseline Projections

The figures reported in this publication are based on a single set of assumptions about the weather, the economy, and other factors that affect commodity supply and demand. FAPRI also has developed a stochastic baseline of U.S. agricultural and biofuel markets that estimates market outcomes under a wider range of assumptions. In essence, FAPRI develops 500 related baselines that share some assumptions, such as a continuation of current government policies, but that differ in their assumptions about crop yields, production costs, petroleum prices, export demand conditions, and other factors.

Results of the stochastic baseline analysis are summarized in the U.S. Baseline Briefing Book available at www.fapri.missouri.edu. That publication provides average results from the 500 related baselines. For most variables, those average results from the stochastic analysis are very similar to the estimates reported in this publication. There are exceptions to this general rule, however. In the case of farm program outlays and biofuel market outcomes, averages from the stochastic analysis sometimes differ from the figures presented here because of underlying asymmetries in the policies analyzed.

The Outlook for World Agriculture

A deeper and more widespread economic slowdown than originally anticipated depressed trade and prices in 2009. However, projected recovery in income growth, along with continuing world population growth and expanding bioenergy mandates, fuels recovery and sustains long-term strength in food, feed, and fuel demand in the world.

Grains

With the exception of sorghum, world grain prices are lower in 2009/10 because of the higher supply in world markets. Wheat and barley prices are projected to decrease further in 2010/11, with the largest decline seen in the wheat price, followed by the barley price. Corn and sorghum prices are projected to increase in 2010/11. Grain prices increase steadily over the next 10 years because of growing demand for food, feed, and fuel purposes.

Total grain area increases 1.43% over the decade and reaches 484.8 mha in 2019/20. Corn area increases

the most, especially in the U.S. and in Asian countries, followed by sorghum area. Wheat area and barley area are projected to decline slightly over the baseline period.

Total world grain consumption increases by 194.7 mmt over the decade, with most of the demand increase occurring for corn. Population growth boosts world wheat demand for food purposes by 60.0 mmt over the projection period, with the demand increase mainly coming from Asian, African, and Middle Eastern countries. Corn feed use increases over the next decade by 45.8 mmt because of growth in the livestock sector. Food and industrial use of corn also grows, by 64.4 mmt, over the same period, with both population growth and the expansion of the ethanol sector contributing to this increase. Barley feed use declines, whereas non-feed use increases, with total consumption increasing by 4.8 mmt by 2019/20. Sorghum consumption increases by 7.3 mmt over the projection period, with gains in both feed and non-feed use.

World wheat net trade decreases in 2009/10 to 97.9 mmt because of larger crops in key wheat importing countries. It increases to 103.1 mmt in 2010/11. Net trade grows 1.63% annually on average, reaching 115 mmt in 2019/20. U.S. market share decreases to 19.89% in 2009/10 and thereafter because of strong competition from other exporting countries, particularly Russia and Ukraine. It decreases to 18.2% in 2019/20. The EU decreases its market share in 2009/10 because of lower production. Its market share decreases further in 2010/11 with the decline in exports. Argentina is projected to recover its market share in 2010/11 with the upturn in production. Canada's market share decreases over the next 10 years. Australia's market share increases in 2009/10 and remains fairly stable throughout the decade, declining slightly toward the end.

Net imports of Asian countries decline by 2.3 mmt over the next 10 years with the increase in production. African and Middle Eastern countries increase their net imports by 10.0 mmt over the next 10 years. Latin American countries' net imports reach only 9.7 mmt in 2019/20 because of production growth.

World coarse grain net trade is projected to grow at an average annual rate of 1.5%. Corn net trade increases the most, by 14.9 mmt, followed by barley trade. Sorghum net trade declines. The U.S. market

share increases to 54.98% in 2009/10 and remains relatively stable over the next 10 years. The U.S. share reaches 55.9% in 2019/20. Argentina's market share in the coarse grain market is projected to increase in 2010/11, and thereafter to decline slightly toward the end of the period. Ukraine's market share declines in 2009/10 with a decrease in production and net exports of barley and corn. Brazil's market share declines as consumption grows faster than production. Australia's market share stays stable over the next 10 years.

In 2009/10, corn net trade increases since consumption increases more than production but it declines in 2010/11 corn net trade. Over the next 10 years, corn net trade is projected to increase, reaching 92.5 mmt in 2019/20, because of demand growth in major importing regions such as Asia, Africa, and the Middle East. The U.S. market share increases in 2009/10 to 66.8% with higher U.S. exports. It reaches 66.9% in 2019/20. Growth in area and yields raises Argentina's share of the corn market to 16.5% by 2019/20. Brazil's market share decreases to 4.4% by 2019/20 as domestic consumption growth exceeds production growth. South Africa's market share reaches 4.1% in 2019/20.

The largest demand increase for corn comes from Asian countries because of growth in their livestock industry. Asian net imports increase by 7.3 mmt over the next decade. African net imports increase by 2.0 mmt over the projection period. Among Latin American countries, Mexico maintains its role as a major importer. Middle Eastern corn net imports reach 10.2 mmt in 2019/20.

U.S. DDG exports increase more than 33% over the next 10 years, reaching 7.8 mmt in 2019/20. Canada and Mexico are the major destinations for these exports. Mexican DDG imports reach 2.1 mmt in 2019/20, and Canadian imports reach 1.2 mmt. Asian imports of DDG are also growing, as a replacement for corn. Destinations include Indonesia, Japan, the Philippines, South Korea, and Taiwan.

World sorghum net trade grows slightly over the projection period, reaching 5.0 mmt by 2019/20 with growth in demand. Mexico's net imports of sorghum reach 2.2 mmt and Japan's net imports reach 1.7 mmt in 2019/20. The U.S. market share of sorghum increases in 2010/11 to 72.9% and reaches 65.3% in 2019/20.

World barley net trade reaches 18.8 mmt in 2019/20, fueled by growth in Asian demand. The EU slightly increases its barley net exports in 2010/11 because of lower domestic consumption. Net exports of barley reach only 2.1 mmt in 2019/20. Australian net exports decrease in 2010/11 because of lower production and end at 2.9 mmt in 2019/20. Canadian net exports total 3.4 mmt in 2019/20. Ukrainian and Russian net exports reach 6.1 mmt and 2.3 mmt, respectively, by 2019/20.

Rice

International rice prices weaken in 2009/10 as more exportable supplies became available, even as major rice exporting countries like India, Egypt, Pakistan, China, and Thailand maintain export restrictions and stock controls. Discounted by as much as \$150 per mt below the Thai price, Vietnam rice was very competitive in the global market. Rice export prices are projected to further weaken in the next two years before increasing gradually over the baseline, driven by resource constraints on land and water and increased consumption and trade. Nevertheless, rice remains thinly traded, with the share of total trade to total consumption at 8.6% in 2019/20. Population-driven consumption growth keeps the rice stocks-to-use ratio between 19% and 21% over the same period.

World rice harvested area in 2009/10 declined by 2.5% as India experienced unfavorable weather, which caused a substantial drop of 5.2 mha in the country's area, negating some gains in China, Myanmar, Thailand, and Nigeria. Consequently, global rice production declined by 2.7%, to 434.7 mmt, as average yield declined marginally.

Total world rice consumption in 2009/10 increases 0.7%, to 436.5 mmt, as world population grows 1.1% and average per capita use declines 0.4%. Substantial consumption gains in China, Bangladesh, and Indonesia are offset by declines in India and Pakistan. Total world rice trade increases 8.2% and net trade gains 11.7% in 2009/10, as shipments from Thailand, Pakistan, and China increase substantially.

Total consumption continues to increase steadily, by 0.8% annually, with the expansion driven solely by population growth, as average per capita use declines marginally as a result of urbanization and diet diversification toward more protein-based

foods in a number of Asian countries with relatively strong economies. Projected area expansions in India, Bangladesh, Myanmar, and Thailand offset the contractions in China, Japan, and South Korea.

India remains a major player in global rice over the next decade, accounting for 28%, 38%, and 29% of the net increases in area, production, and consumption, respectively. Nearly 45% of the total gain in production comes from Bangladesh, Thailand, Indonesia, the Philippines, Brazil, Myanmar, Cambodia, and Vietnam while 52% of the growth in consumption is accounted for by Bangladesh, the EU, Indonesia, the Philippines, Nigeria, and Myanmar.

India, Thailand, Pakistan, and Vietnam account for 81.2% of the volume growth in net rice exports over the next decade. Rice imports of Africa and the Middle East continue to increase substantially, accounting for 50.4% of the total volume growth in world net rice imports, driven by strong growth in both population and per capita rice consumption.

Oilseeds

World oilseed production rebounded in 2009/10, with record soybean crops for the world's three top producers, namely, the U.S., Brazil, and Argentina. Oilseed prices remain relatively stable, however, as the sharp supply expansion is met with increasing demand because of the economic recovery. Led by a strong growth in vegetable oil demand for food and industrial uses, prices resume their ascendant path and grow for the remainder of the projection period. Robust demand growth maintains oilseed prices above historical levels for the outlook period, despite area expansions and yield improvements.

The significant area expansion in Argentina and Brazil led the increase in world oilseed area in 2009/10, offsetting a small decline by China. Relatively stable prices lead to a slowdown in area growth by next season, with the pace recovering later as prices start increasing again. While soybean area experiences the largest growth in absolute terms (around 9 mha), palm area expands faster in relative terms (22% versus 9% for soybeans). Most of the soybean area expansion is expected to occur in South America; in particular, Brazil has the most, followed by Argentina. The area expansions of rapeseed and sunflower are similar to that of palm. Canada, the EU,

India, and Other CIS countries are responsible for most of the growth in rapeseed area.

Urbanization and falling real domestic prices result in stagnant to declining oilseed area in China. Thus, the oilseed production increase is limited to that stemming from yield improvements. On the other hand, strong and sustained economic growth and an expanding livestock sector results in a robust increase in the domestic consumption of meal and oil. Combined with policies favoring oilseed imports and domestic crush, the demand increase makes China the world's leading soybean importer. In contrast, and continuing a long-term trend, the European Union continues its displacement of soybean imports with that of soybean products, reducing its market share in soybean trade. Reasons behind the shift are weakening crush margins as well as wider availability of rapeseed meal as a result of the domestic biodiesel mandates. Brazil increases its net export share of soybeans throughout the outlook period and surpasses the U.S. to become the leading net exporter by 2015/16. The biodiesel mandates in the European Union encourage world production and trade of rapeseed. Canada remains the leading net exporter, while Ukraine consolidates its position as an emerging net exporter.

The economic recovery and associated growth of the livestock sector encourages oilseed meal consumption over the projection period. While soybean meal accounts for most (75%) of the consumption growth, the largest growth in percentage terms is expected for palm kernel meal. Consumption of sunflower meal and especially rapeseed meal are also expected to expand firmly. However, the robust demand growth for oilseed meals is outpaced by the supply expansion resulting from the vegetable-oil-driven crush, and prices remain stable (to slightly increasing) throughout the outlook. China, the country with (by far) the largest meal demand growth, surpasses the EU as the leading protein meal consumer by the middle of the outlook. However, the EU maintains its position as the largest net importer of protein meal. Meanwhile, the U.S.'s share of world consumption falls slightly. Led by Argentina, net trade in the soybean meal market increases strongly throughout the baseline.

Vegetable oils drive the oilseeds sector. Both

emerging biodiesel industries in various countries and growth in food uses result in a vigorous expansion in world consumption over the next decade. Population and increasing income in developing countries are mostly responsible for the food demand expansion. Policy interventions, such as domestic consumption mandates and a relatively high crude oil price, explain most of the growth in demand for industrial use (in particular, biodiesel demand). Net imports of soybean oil increase over the next decade, led by India and the EU. For the EU, the increase reflects the trend toward importing soybean products in lieu of the seed. Meanwhile, China's crush demand growth results in relatively stable levels of net imports of soybean oil over the outlook period. Despite the domestic biodiesel mandate, Argentina still dominates the world soybean oil exports. Rapeseed oil consumption reaches 26 mmt during the baseline because of biodiesel production in the EU. Palm oil remains the most traded vegetable oil in the world for the next decade. Chinese palm oil net imports expand strongly, explaining about a third of the increase in trade.

Cotton

As world macroeconomic conditions improve, world demand for cotton expands in 2009/10 after the large contraction in world mill use the previous year. Strong demand for competing crops to be used in the production of biofuels has provided significant competition for area and has held down supplies in world cotton markets.

Cotton acreage in the United States is expected to jump to 3.7 mha in 2010/11 from 3.1 mha the previous year but remains well below the area seen prior to 2008/09. Higher prices for grains and oilseeds, due to biofuels production, have held down cotton area in many locations and continue to provide acreage competition over the projection period. Even as world demand improves, U.S. cotton acreage is projected to remain below 3.8 mha. Cuts in domestic mill use over the last several years have allowed the U.S. to maintain much of its export volume. With stable to modestly growing area and continued contraction in domestic mill use, the United States is projected to maintain and even modestly grow its trade volume.

Prices, as measured by the Cotlook Far East A Index, are expected to jump to \$1,633 per mt in 2009/10

as demand grows and supplies remain tight. Prices grow in the following years, as supply constraints, through competition for acreage from grains and oilseeds, contribute to an improved outlook for prices. Regions with fewer alternative crops or a comparative advantage in cotton production are likely to hold on to more of their cotton acreage to take advantage of improving prices. The improved price picture is necessary to maintain net returns to cotton, which ensures the production needed to meet cotton demand. This cotton demand may be considered more modest, near-term growth than anticipated prior to the recent economic upheaval. World cotton consumption is expected to rise to 24.9 mmt in 2009/10 under improving world macroeconomic conditions and returns to growth under the assumption of a return to GDP growth beyond 2009/10. Growth in mill use is just above population growth, reaching 30.0 mmt by 2019/20.

World cotton spinning continues to concentrate in a small number of countries. China, India, Pakistan, and Turkey account for 72% of world mill use in 2009/10 and expand to 76% of world mill use by 2019/20. While mill use in China continues to grow at a strong pace, use in other parts of developing Asia are anticipated to expand. Developed countries are likely to see continued declines in their consumption of raw cotton. The United States must increasingly rely on export markets for the majority of demand.

Sugar

The world sugar market faces a second year of deficit in 2009/10 because of production shortfalls, particularly in India. Brazil continues to produce record levels of sugarcane in 2009/10, but, at 55%, the share of sugarcane going to ethanol production declines from the previous year because of higher sugar prices. Despite the deliberate production decline over the CMO sugar restructuring period, the EU experiences higher sugar production in 2009/10 because of record yields. As a result, net imports decline more than 5% from 2008/09. World sugar production is projected to increase 24% as both harvested area and yields increase, especially in the major sugarcane-producing countries.

Sugar consumption continues to increase, and with sustained growth in real GDP and population, particularly in developing countries, sugar

consumption increases almost 22% over the projection period. As India's dramatic increase in imports of sugar is met by increased sugar exports from Brazil, world net trade increases 11% in 2009/10. By 2018/19, world net trade is projected to increase 13%.

Unlike in 2008/09, when the increase in global sugar prices was aided by macroeconomic variables such as depreciation of the U.S. dollar and high energy prices, the world sugar price reaches record highs in 2009/10 because of market fundamentals. The over 60% rise in sugar prices is the result of tighter sugar supplies brought about by higher demand for sugar from countries with reduced production. As production recovers, the world sugar price declines 26% in 2011/12 but remains relatively high over the projection period because of increased demand for sugar from countries such as China, the EU, Indonesia, and Pakistan.

In terms of market shares, only a handful of sugar-exporting countries account for 95% of world trade, with Brazil, which accounts for almost 65%, continuing to maintain the largest share throughout the projection period. On the import side, Russia currently accounts for 5.6% of world net trade. However, this share declines to 4% by 2019/20 as Russia's sugar production continues to expand. Asia, as a region, constitutes the largest importing block, with China, Indonesia, Japan, Malaysia, and South Korea together accounting for about 19% of world trade over the projection period.

Ethanol and Biodiesel

Many countries continue to promote ethanol use through mandates and/or directives. In the world ethanol market, the major players remain Brazil and the United States. The United States is the largest producer of ethanol, followed by Brazil. Brazil, however, is the largest exporter. The EU is also emerging as a significant player, along with China and India.

The world ethanol price increased in 2008 as crude oil prices peaked and U.S. net imports increased. However, 2009 saw lower ethanol prices as crude oil prices fell 37% and U.S. net imports fell almost 60%. The price increases 9% over the projection period, as world demand for ethanol grows, especially in the United States as a result of the renewable fuel mandates.

Brazilian production of ethanol increases steadily over the projection period, inducing a rising share of sugarcane going into ethanol production.

Biodiesel is another renewable energy source adopted in a growing number of countries. The world price of biodiesel (Central Europe FOB) increases in 2010 driven by higher petroleum and vegetable oil prices. Lower exportable surpluses from Argentina as their B5 mandate is implemented and tariff barriers imposed by the EU on biodiesel originating from the U.S. also contribute to the price recovery in 2010. Significant domestic consumption mandates in Argentina, Brazil, the EU, and the U.S., combined with increasing crude oil prices, result in biodiesel price increases through the remainder of the period. Pushed by the biofuels target, biodiesel consumption in the EU continues to grow over the next decade. Despite being the world's largest producer, the EU is by far the largest net importer of biodiesel. With a highly competitive oilseed crushing sector, and policies favoring the exports of processed products, Argentina is the largest net exporter of biodiesel. Meanwhile, Brazil's biodiesel production increase is motivated by domestic mandates.

Livestock and Poultry

Driven by income growth, per capita meat consumption increases by 6.1 kg in the next decade, representing a 1.3% annual increase. Meat consumption reaches 54.5 kg per person per year by 2019. Pork consumption has the highest share in the consumption basket, growing the fastest among the three meats at 1.6% annually.

While SPS issues and food safety concerns continue to impact the world meat market, recovery in meat demand increases world meat trade 22.5% (3.76 mmt) in the next decade, with net trade reaching 20.47 mmt in 2019. Rising meat demand fuels a 16.8% (36.43 mmt) increase in world meat production over the next decade, with production reaching 253.68 mmt in 2019.

Recovery in the global economic situation pushes livestock and poultry prices relatively higher over the projection period. After an 8% drop in 2009, the beef price increases and peaks at \$176.5/cwt in 2014. Despite the slight decline thereafter, it remains above \$175/cwt in 2019. From a peak in 2004 of \$52.5/cwt, the pork price cycles throughout the decade. The pork price peaks again in 2012 at \$55.9/cwt and ends at \$53.9/cwt in 2019. The poultry price strengthens over the next decade, growing 1.8% annually and reaching

a record high of \$91.5/cwt in 2019.

In the outlook for trade, world beef trade recovers and is projected to continue to grow at an average rate of 3.1% annually throughout the decade, ending at 6.7 mmt in 2019. Responding to the recovery in trade and the growth of the world price, beef production increases at an annual rate of 1.1% (0.56 mmt) in the next decade, reaching 58.9 mmt in 2019. In pork, after recovering from a 12% drop in 2009, pork trade grows 2.8% (122 tmt) annually in the next decade, reaching 5.52 mmt in 2019. Pork production increases in the next decade at an annual rate of 1.9% (1.85 mmt), reaching 115.47 mmt in 2019. In poultry, a lower TRQ in Russia reduces broiler trade in the short run, but trade recovers and grows at a rate of 1.3% annually over the projection period. Total broiler trade increases by 0.97 mmt, reaching 8.29 mmt in 2019. Total broiler production increases 1.8% (1.2 mmt) annually, reaching 79.36 mmt in 2019.

Dairy

Strong demand and growing incomes boost world milk production. Over the next decade, world milk production increases 23.7%. Of the 123 mmt increase in milk production, 61.8% occurs in Asia, mostly in China and India. Higher milk production facilitates increases in dairy production. World total butter production increases 32.5% over the baseline, with India accounting for 90% of the growth. Total cheese production grows 18.8%, with the U.S. and the EU accounting for about 51.9%. NFD production rises 17.5%, with the greatest gains occurring in India. Excluding the EU, WMP production grows in most countries, increasing a total of 32.3%. Dairy product trade expands substantially in the long run as domestic production cannot meet domestic demand in many countries.

As major players in world markets, Australia and New Zealand steadily expand their dairy production over the baseline. Australian milk production increases 25.7%, enabling Australian butter, cheese, NFD, and WMP production and exports to increase. New Zealand milk production increases 25.9%, making the country the largest exporter over the projection period.

Because of an increase in milk quotas, EU milk production increases slightly over the baseline. Because of higher returns from cheese, more milk is diverted into cheese production, while butter and milk

powder production decrease. The steady growth in domestic cheese consumption absorbs the bulk of the increase in cheese production, limiting the growth in cheese exports throughout the baseline.

Driven by strong world demand and prices, the Argentine and Brazilian dairy sectors expand over the baseline. Growth in milk production facilitates production increases in dairy products. Consequently, with more exportable surpluses of dairy products, Argentina and Brazil become more important exporters in the world markets.

Because of economic growth, population growth, and changing diets, Asian dairy consumption expands steadily. To meet strong domestic demand for dairy products, China and India significantly increase milk production. The expansion of milk production not only facilitates the growth of fluid milk consumption but also helps boost the production of dairy products. Chinese WMP net exports are negatively affected by the milk scandal for the next couple of years, but China resumes exporting in 2012. Over the long run, as domestic WMP production expands and as consumers substitute more fluid milk for reconstituted milk powder, Chinese WMP exports increase steadily. Indian butter production increases 5% annually. Butter exports reach a record at the midterm of the baseline and then decrease as more production is absorbed by domestic markets. As a by-product, India's NFD production grows 62.1%, creating excess supplies that allow NFD exports to rise.

Southeast Asia (Indonesia, Malaysia, Philippines, Thailand, and Vietnam) heavily depends on imports to meet domestic demand. Its NFD imports account for 40% of total world trade. China and Japan together account for about 12% of the NFD import market by the end of the baseline. While China switches from a WMP importer to a WMP exporter, Southeast Asia increases its imports 3.3% annually. Steady growth also occurs in Asian cheese and butter imports. Japan, a leading cheese importer, increases its cheese imports, accounting for roughly 15% of total world imports by 2019. Sustained by economic and population growth, cheese imports of other Asian countries (China, Indonesia, Malaysia, Philippines, South Korea, Thailand, and Vietnam) increase by 4.5% annually. Total butter imports into China, Japan, South Korea, and Southeast Asia steadily increase over the baseline.

Box 1. Major Model Developments in the FAPRI System

With a forward-looking motivation of positioning FAPRI's analytical capability to address emerging policy issues such as biofuels, indirect land use, and greenhouse gas (GHG) emissions, model development initiatives were initiated on several fronts. In the U.S. model, significant improvements were made in the way that biofuel use mandates and cellulosic ethanol production are modeled. Because of Brazil's major market presence in almost all important traded commodities, a spatially disaggregated model of Brazil was integrated into the FAPRI system to fully reflect differential resource supply and infrastructure constraints across the country. Moreover, yield specification now includes intensification and extensification effects in all countries. Finally, a GHG accounting model can now be linked to the FAPRI system to evaluate GHG emission impacts of alternative policy scenarios of interest.

U.S. biofuel modeling

The Renewable Fuel Standard (RFS2) set up by the 2007 Energy Independence and Security Act (EISA) establishes a set of nested mandates for biofuel use. To enforce the mandates, a system was established that allows firms to trade Renewable Identification Numbers (RINs). These RINs certify that appropriate levels of renewable fuels have been utilized by regulated parties.

We have significantly improved our representation of the market for RINs in the model, adding and revising equations to reflect many of the critical features of the regulations and the developing markets. For example, we now have equations to estimate the quantity of RINs carried over from one year to the next, which can have important implications for how the market behaves when there are unexpected shocks to energy prices, corn yields, or any of the other factors that affect biofuel supply and demand.

In previous years, U.S. production of cellulosic biofuels was represented in a very simplistic manner that did not account for the supply and demand for feedstocks. The model now includes detailed models for switchgrass and corn stover supply and demand. Supply of both feedstocks depends on net returns to producers; costs of getting the feedstocks from farms to plants are accounted for; and plants only produce cellulosic biofuels if it is profitable for them to do so. EISA provisions

are modeled carefully, recognizing that the law allows cellulosic biofuel mandates to be adjusted if supply capacity is inadequate to meet the targeted levels, but that such adjustments require other steps to be taken that affect the producer price of cellulosic biofuels.

Because markets do not currently exist and because the technology has yet to be proven commercially, the projections generated are far more tentative than most other model estimates. Nevertheless, the model provides a tool to look at some of the critical issues in a systematic fashion.

Brazil module

Brazilian agricultural production has experienced an impressive expansion in recent years. Because of its size and geographical location, Brazil encompasses widely varying ecosystems, ranging from grassland and crops associated with temperate climates in the South to tropical forests in the North and semiarid areas in the Northeast. The different regions also present enormous developmental disparities in terms of infrastructure, logistics, and strategies available to increase production. Thus, while rapid expansion of production of some commodities may only be achieved by taking area away from other agricultural activities in land-constrained regions, increases in area used by all activities may be observed in other parts of the country, which points to distinct dynamics in the competition for land across space. Environmental impacts (both local and global through the emission of GHGs) as well as social and economic impacts hinge critically on the nature of these land-use changes. Therefore, it is becoming increasingly important to recognize the spatial dimension of the agricultural expansion, as the impacts are likely to be dependent on the way in which this expansion occurs as well as on the resources of the location in which production takes place.

In response to the identified need, a more detailed module of Brazilian agriculture was jointly developed by FAPRI and ICONE¹ and incorporated into the

¹ ICONE is the Institute for International Trade Negotiations (<http://www.iconebrasil.org.br/en>). Contributors from ICONE are Leila Harfuch (livestock and dairy), Marcelo Moreira (sugarcane complex), and Luciane Chiodi (crops). Andre Nassar, ICONE's general director, coordinated the effort at the institute while Miguel Carriquiry led the model development at FAPRI.

FAPRI modeling system. The new module is basically a spatially disaggregated partial equilibrium model of Brazilian agricultural production constructed at the regional level, incorporating major crops, biofuels, and livestock interacting and competing for agricultural resources, in particular, land. Outputs from the model include projections of production and utilization variables and the amount of land allocated to the activities considered. On the crops side, we consider corn (first and second crops), the soybeans complex (including soybean meal, soybean oil, and biodiesel), the sugarcane complex (including sugar and ethanol), rice, cotton, and dry beans (multiple cropping depending on the region). The modeled animal products are beef, pork, poultry, and dairy. In terms of land allocation, the area used by a given activity depends on its expected real returns in comparison to expected returns of activities that compete for the resource. The strategy for modeling livestock activities follows closely the one utilized in the international livestock model of FAPRI, with the additional layer of explicitly modeling land used by beef and dairy production. Because not all the regions considered are equally suited for different activities, the competition for land is contingent on the location. Consequently, not all activities compete with each other with the same intensity in all regions.

Through the use of spatially disaggregated information on historical production activities and natural resource availability, the model is able to determine the relative profitability of different activities at the local level, which as mentioned will drive regional supply curves for relevant commodities and their associated land use. For this modeling effort, Brazil is divided into six regions: South, Southeast, Central-West Cerrados, North-Northeast Cerrados, Amazon Biome, and Northeast Coast. The model is able to capture the regional

differences in terms of capabilities and consequences of the expansion. Thus, the impacts of land-use changes derived from increasing demand for agricultural products can be more precisely established.

Yield intensification and extensification

The yield equation was respecified to include intensification effects—that is, a price-induced yield response—as well as extensification effects that allow a yield drag when new land is put into production. Because of very limited data, most of the parameters were derived using information from yield gaps and availability of arable land to calibrate country-specific parameters.

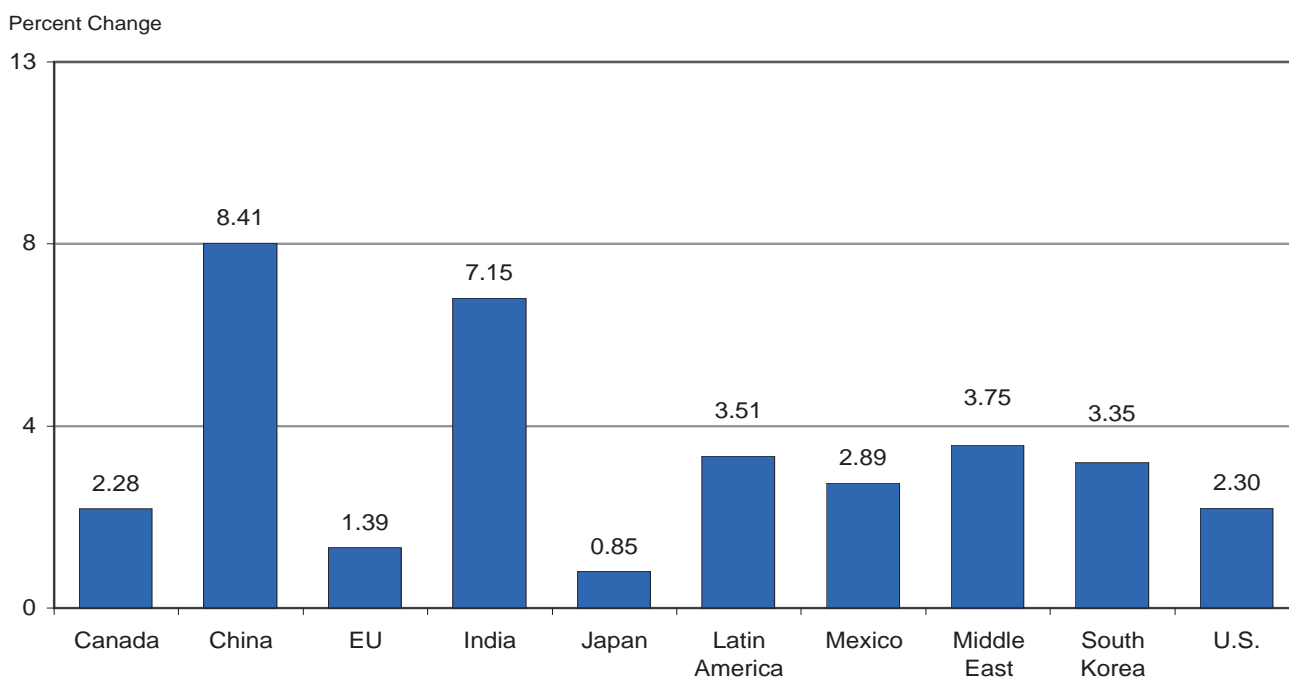
Greenhouse gas accounting

Recently, a significant effort was made to develop a carbon accounting model that links with the FAPRI model. This model is called the Greenhouse Gases from Agriculture Simulation Model (GreenAgSiM), and it aims to quantify emissions from agricultural activity on a global scale. The need for information in a carbon-constrained world led to the idea to incorporate the Intergovernmental Panel on Climate Change (IPCC) Guidelines for National Greenhouse Gas Inventories into the FAPRI modeling framework in order to evaluate the impact of changes in agricultural policy on GHG emissions.

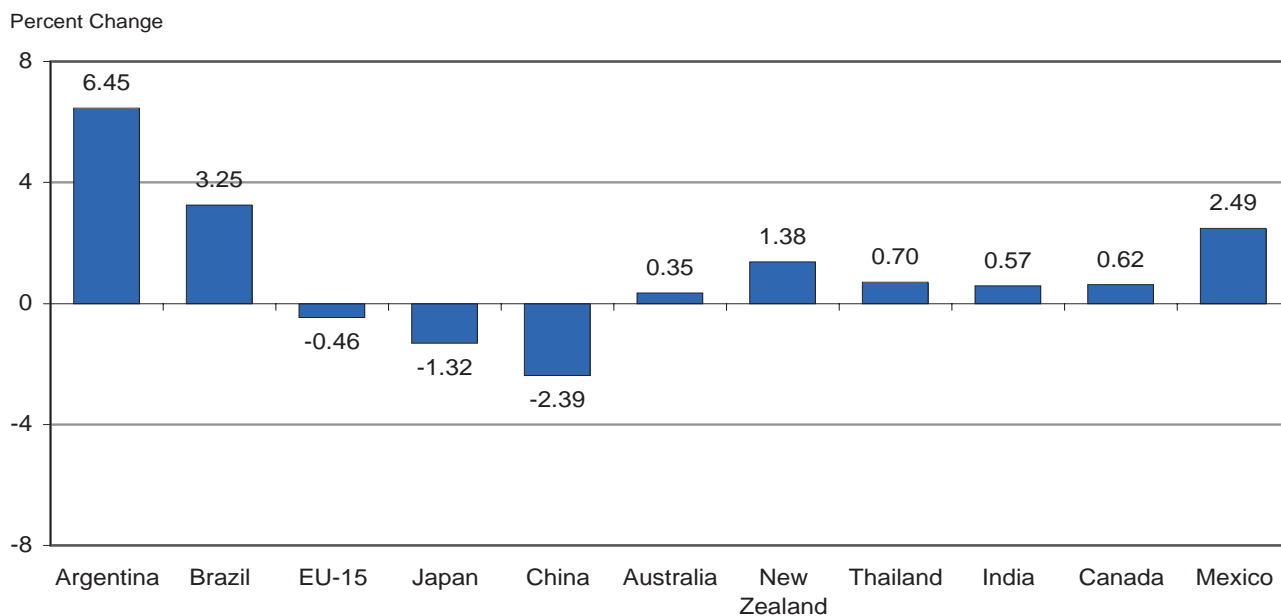
The model takes emissions into account that are directly attributable to agricultural production, such as enteric fermentation (methane), manure management (methane and nitrous oxide), and agricultural soil management (nitrous oxide). Furthermore, carbon stock differences from land-use change (carbon dioxide) induced by agriculture are included in the model.

CHARTS AND PRICE PROJECTIONS

Average Annual GDP Growth, 2009-2019

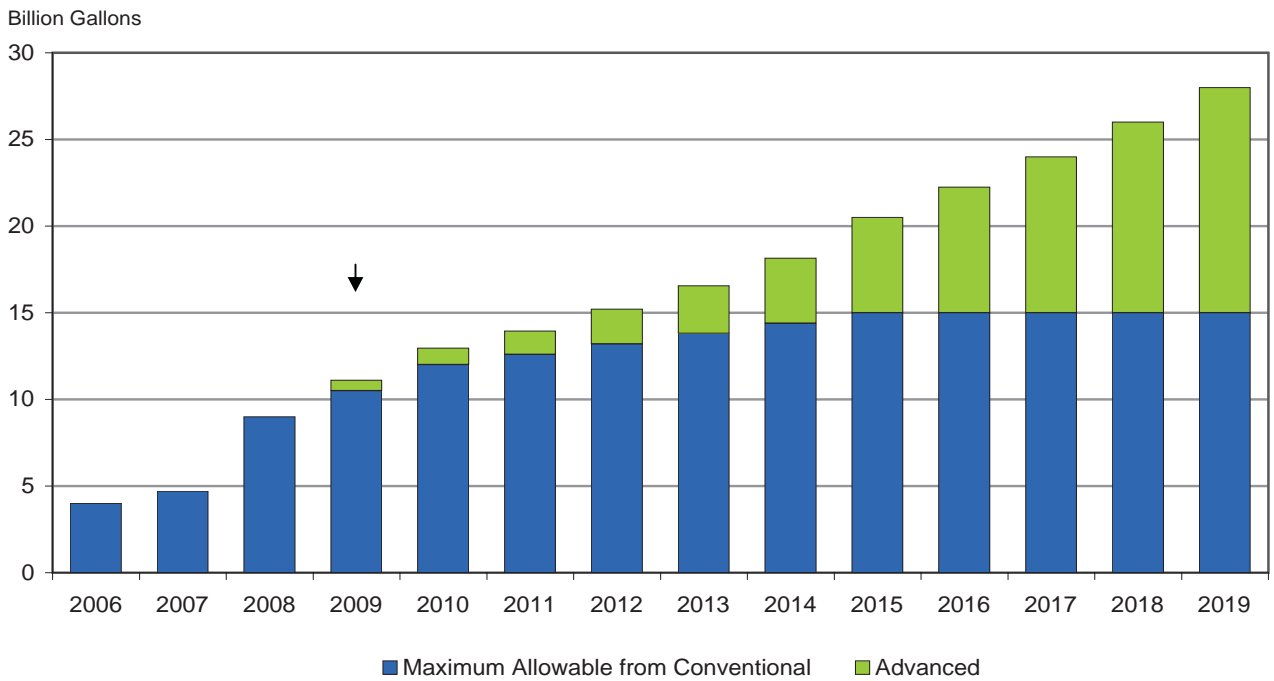


Average Annual Exchange Rate Growth, 2009-2019 (local currency per U.S. dollar)

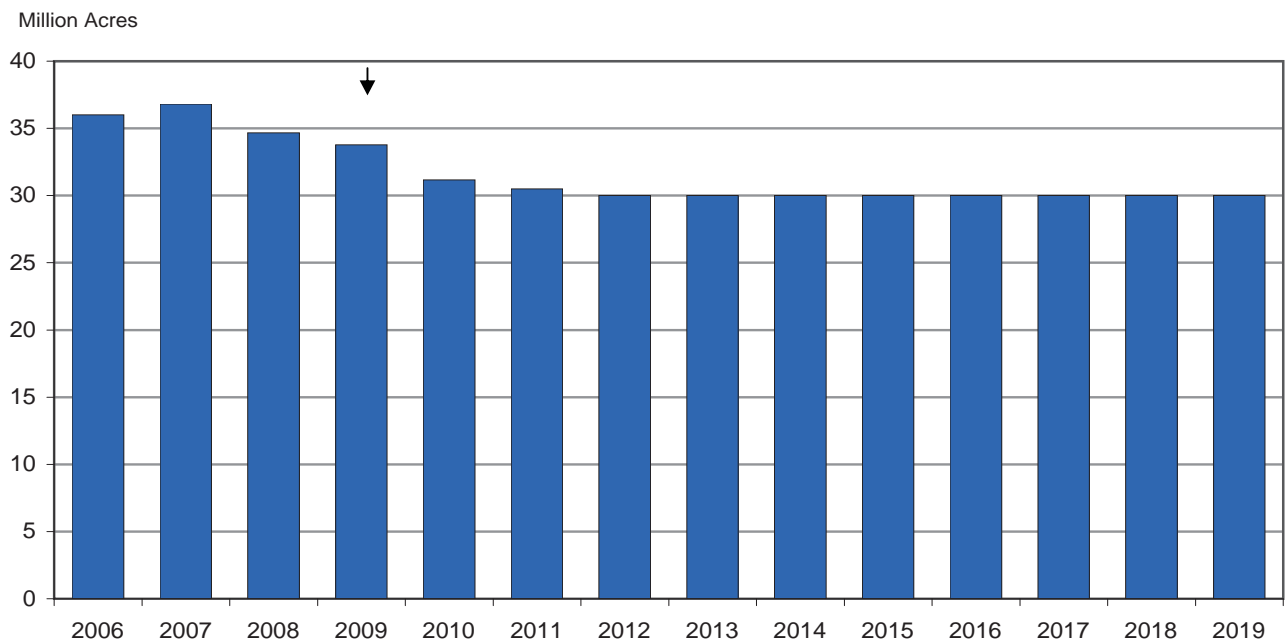


* Hungary, Czech Republic, and Poland.

U.S. Biofuel Use Mandates

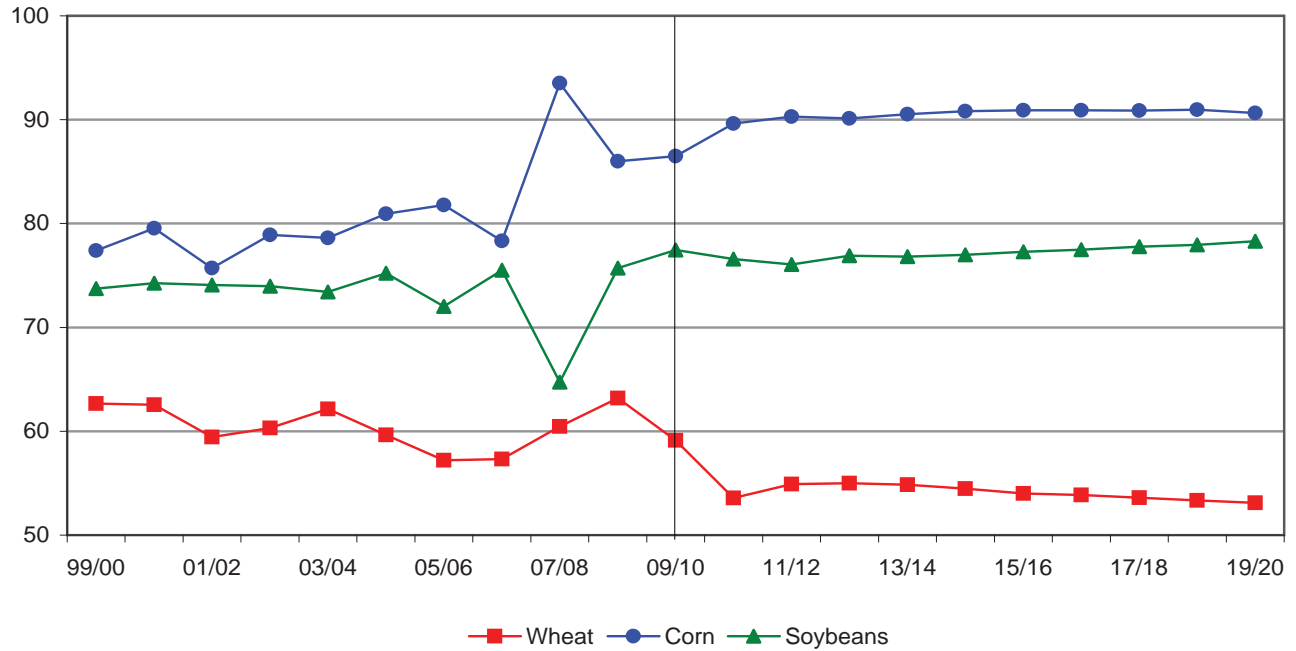


U.S. Conservation Reserve Program Area



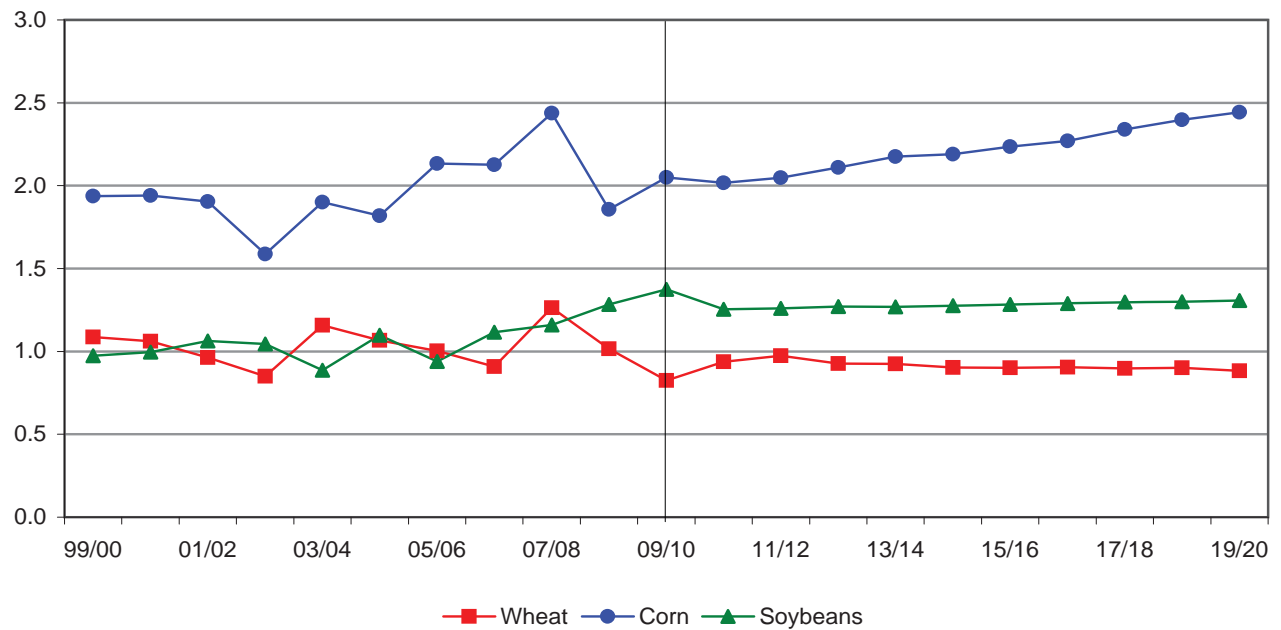
U.S. Crop Planted Area

Million Acres



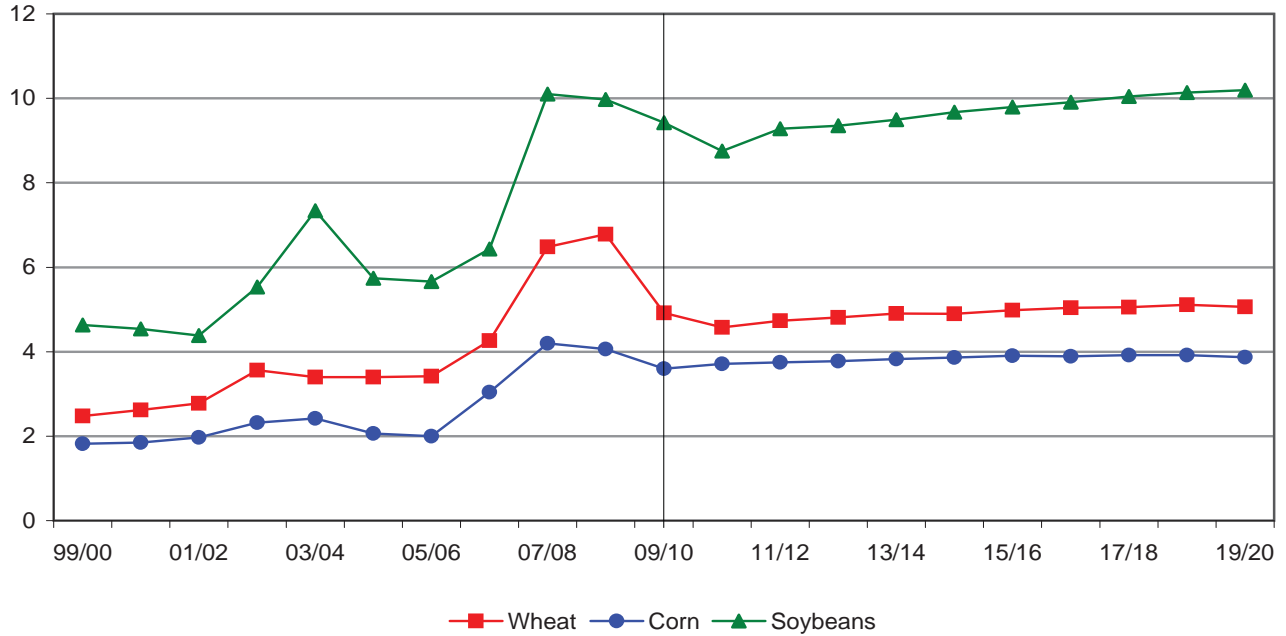
U.S. Crop Exports

Billion Bushels



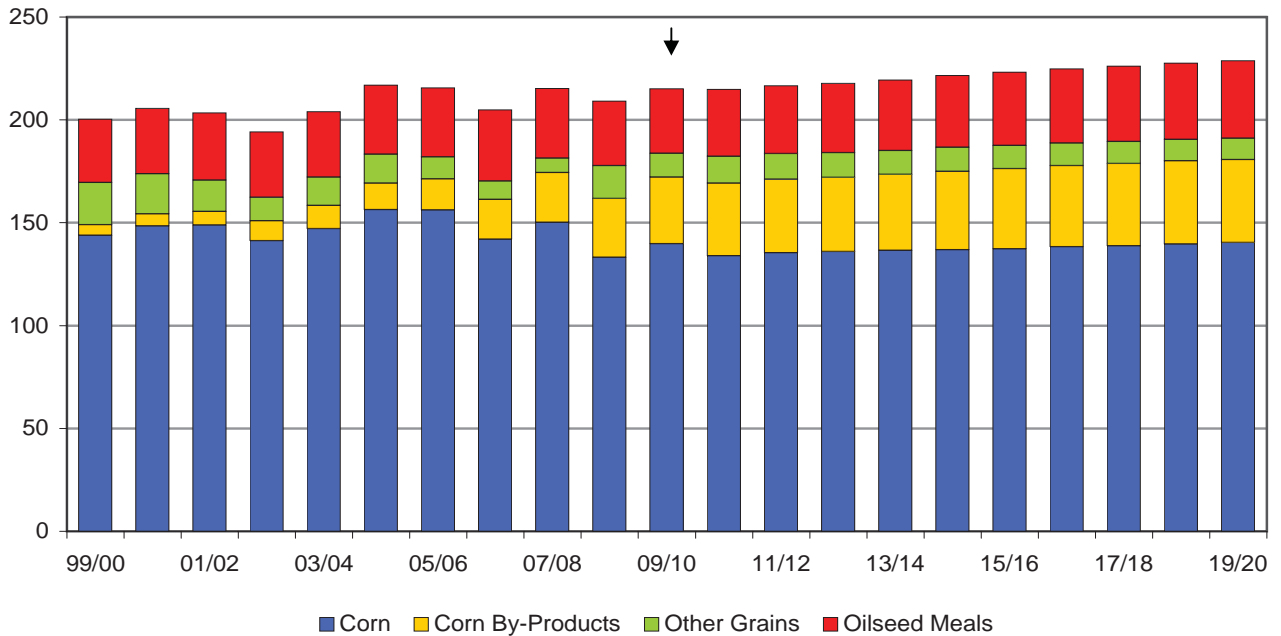
U.S. Crop Prices

Dollars per Bushel

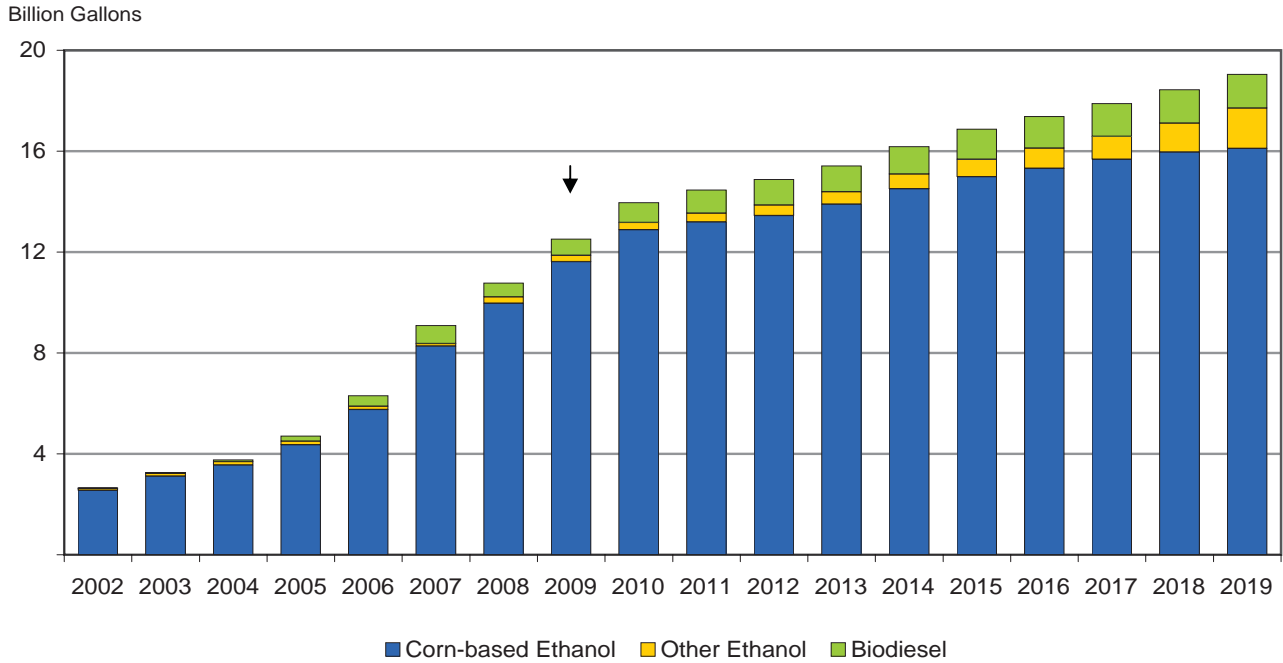


U.S. Feed and Residual Disappearance

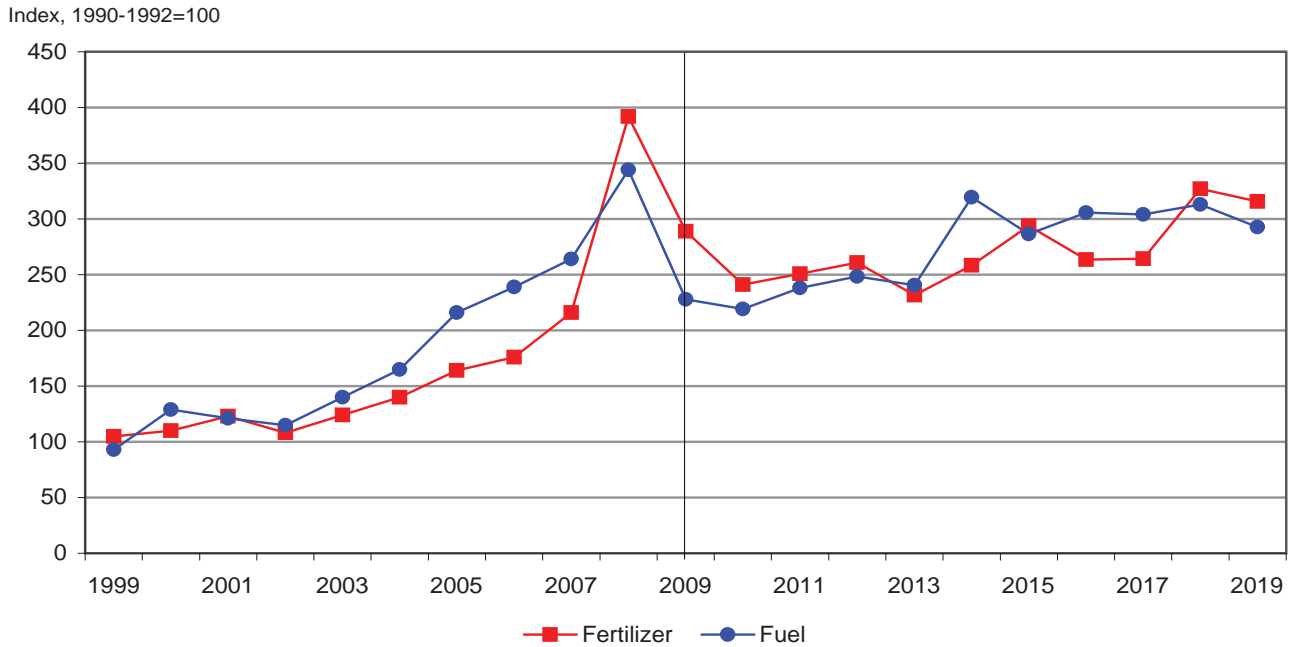
Million Metric Tons



U.S. Biofuel Production

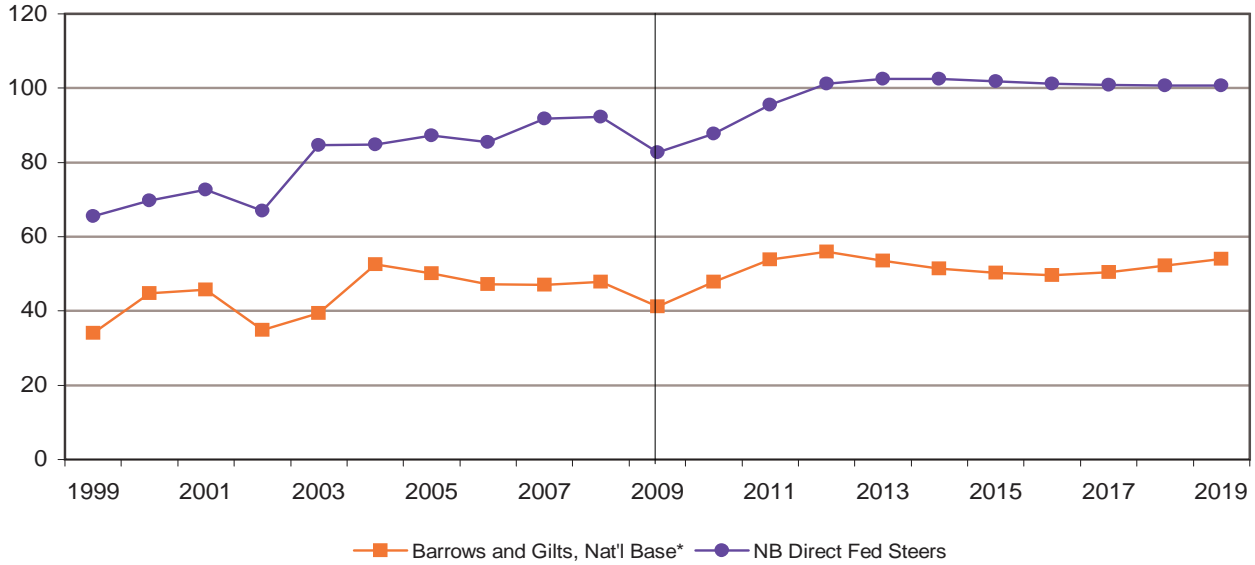


U.S. Farm-Level Prices Paid Indices



U.S. Cattle and Barrow and Gilt Prices

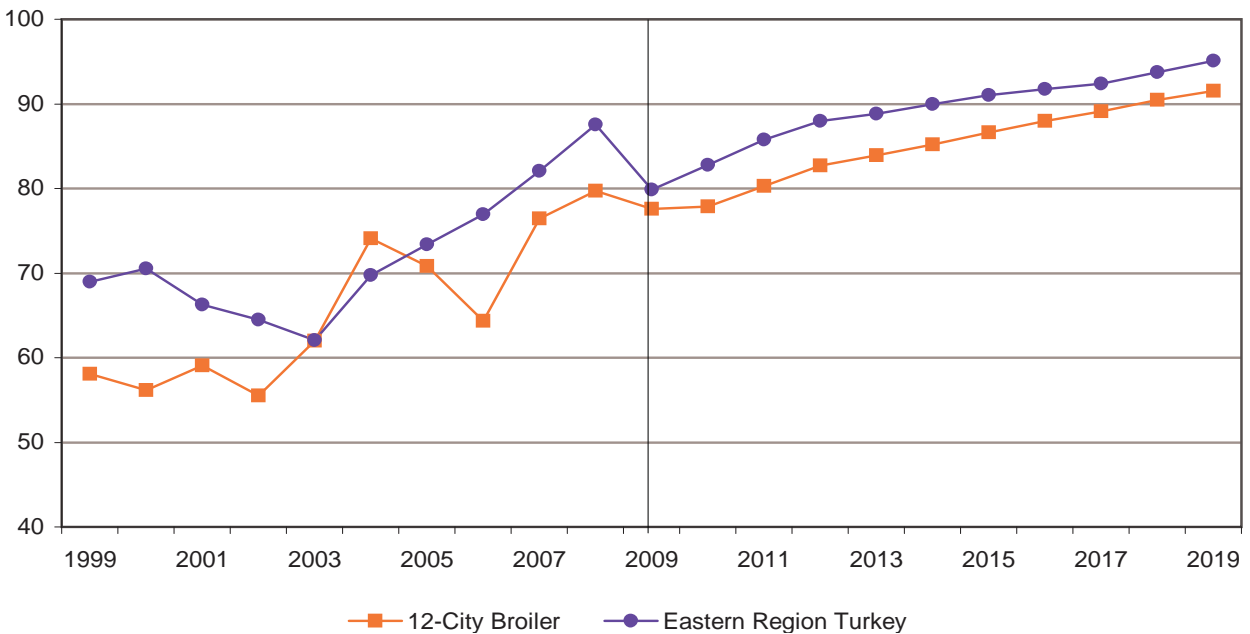
Dollars per cwt



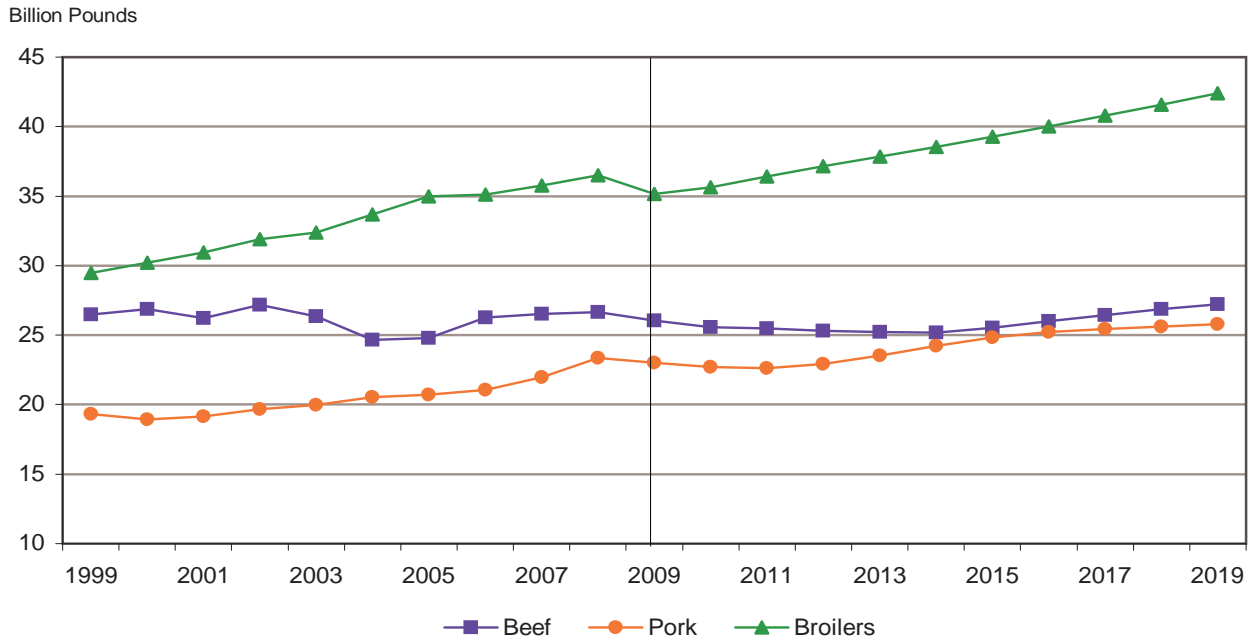
* National Base 51% - 52% Lean Equivalent

U.S. Poultry Wholesale Prices

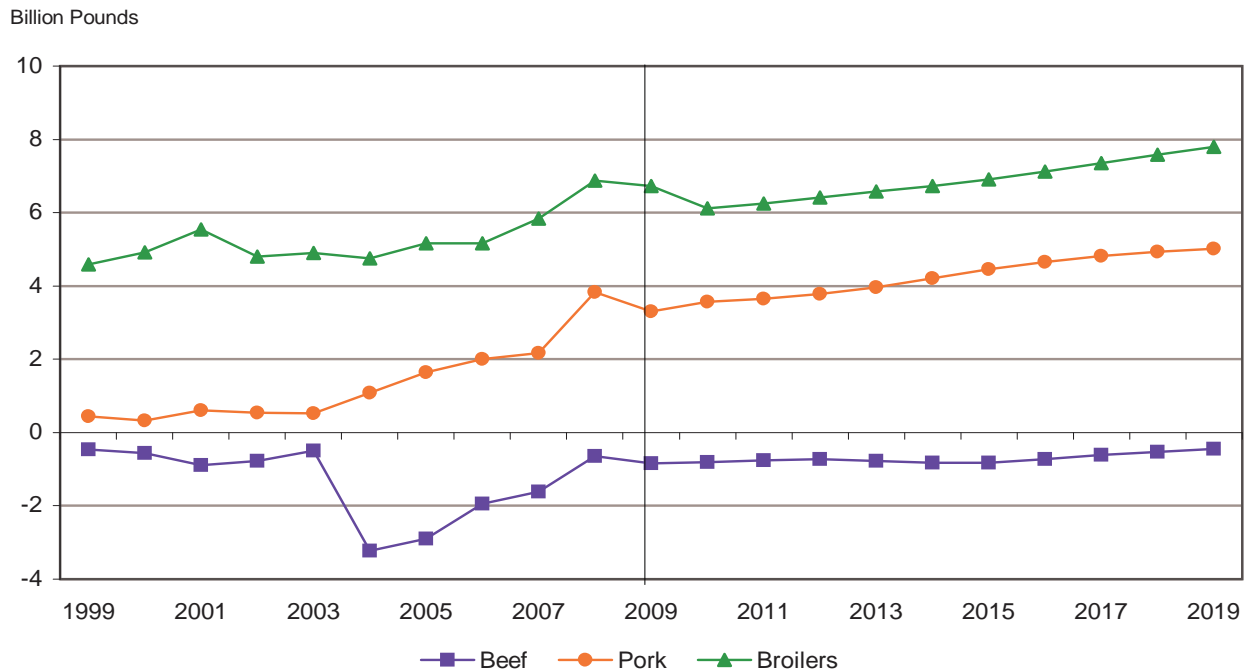
Cents per Pound



U.S. Livestock Production

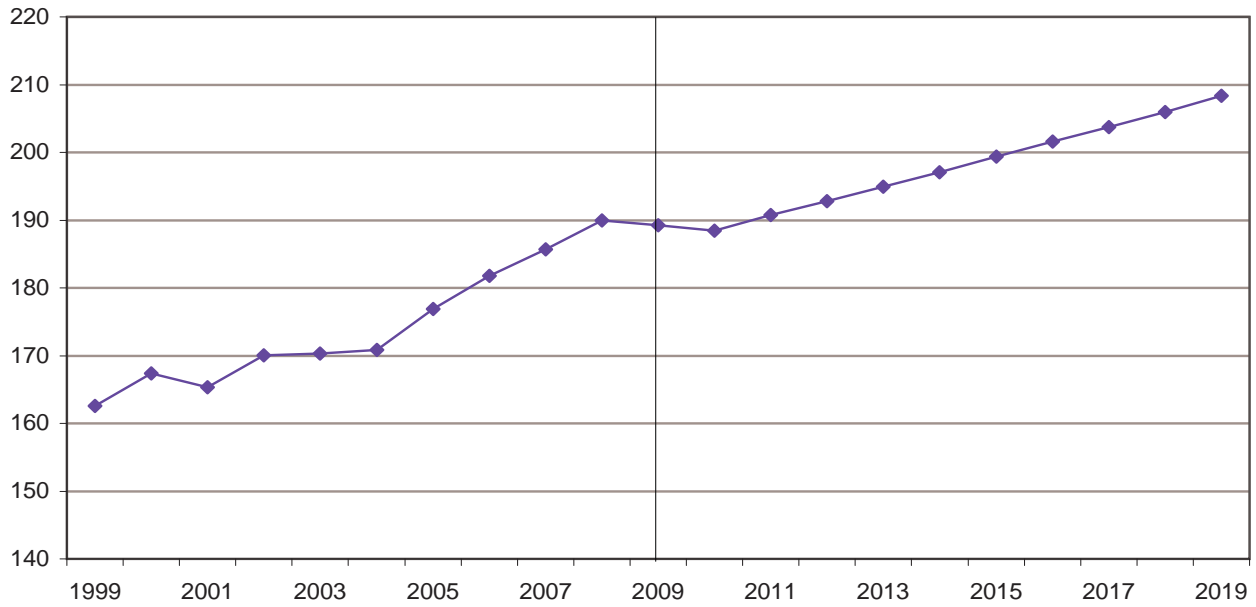


U.S. Meat Net Exports



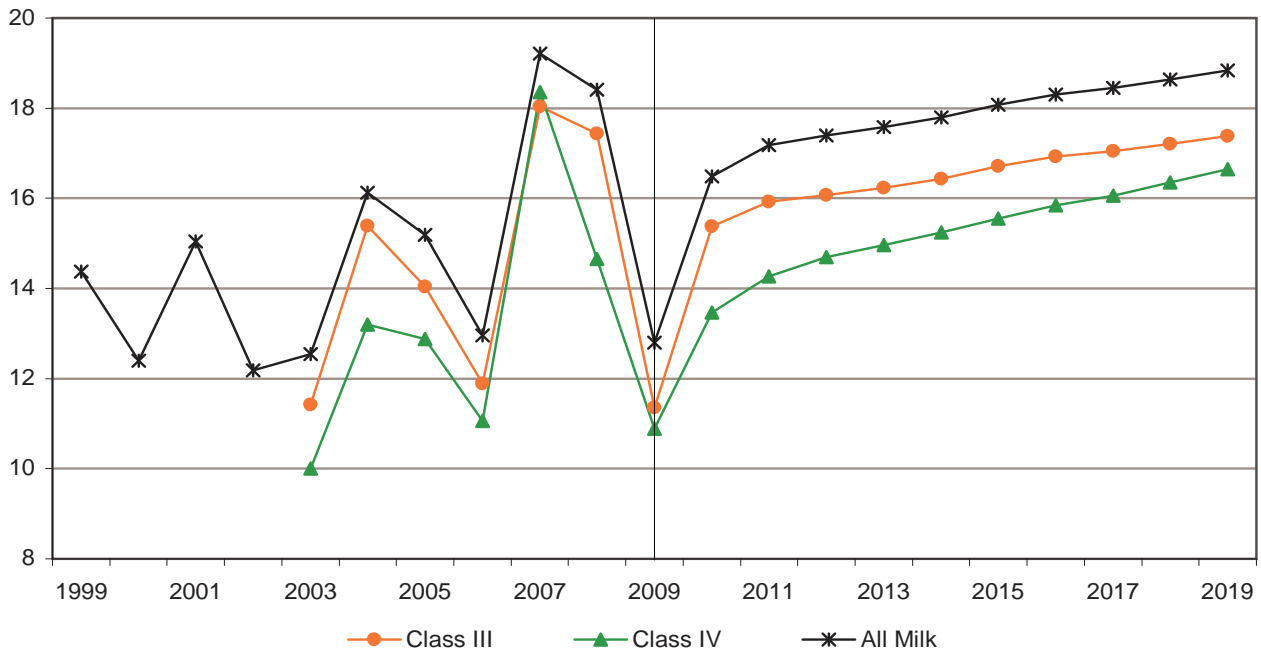
U.S. Milk Production

Billion Pounds

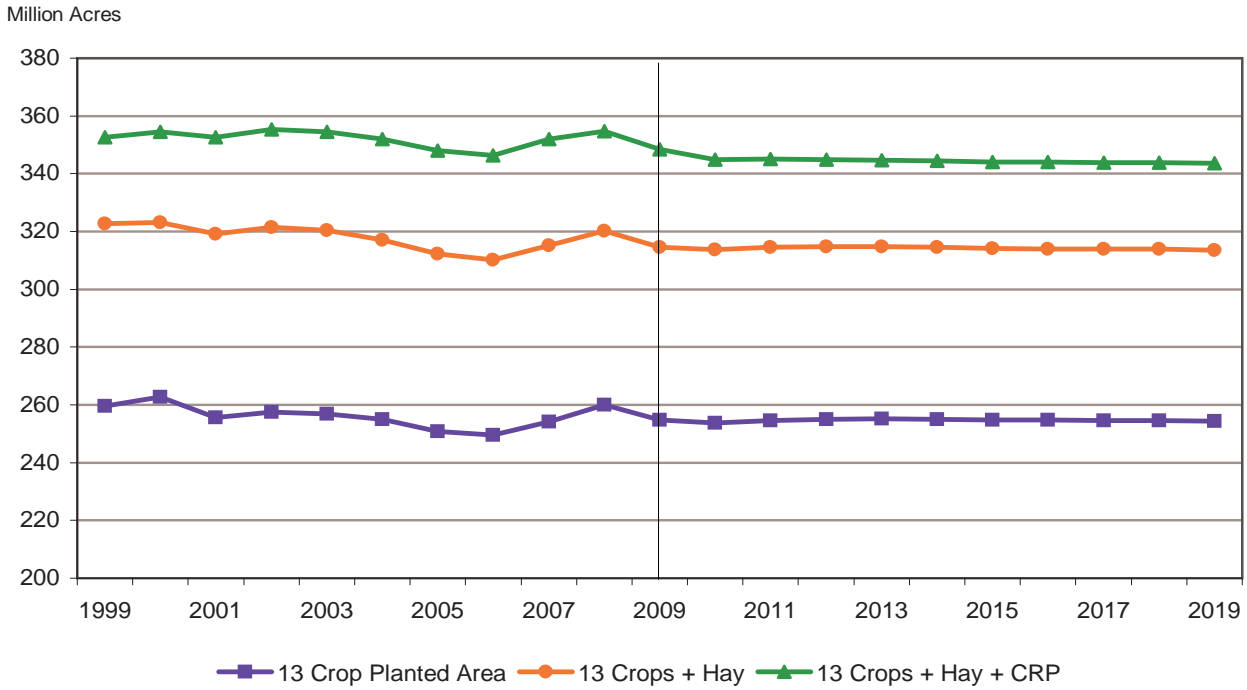


U.S. Milk Prices

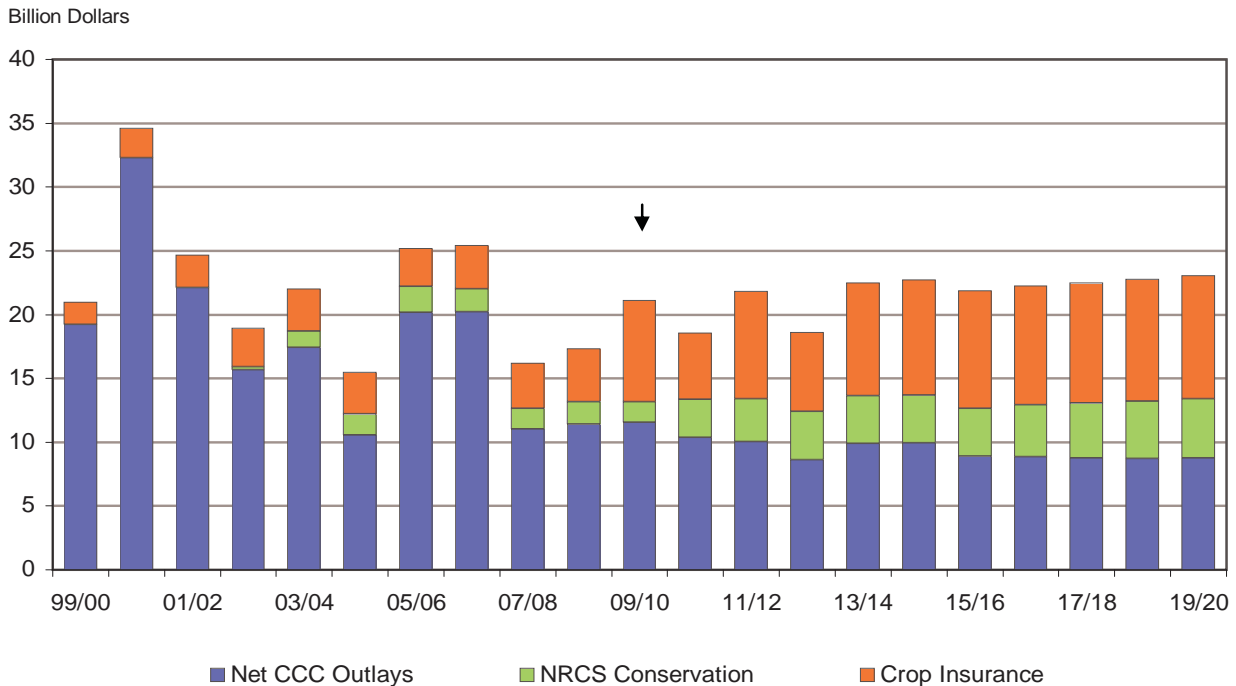
Dollars per cwt



U.S. Land Use

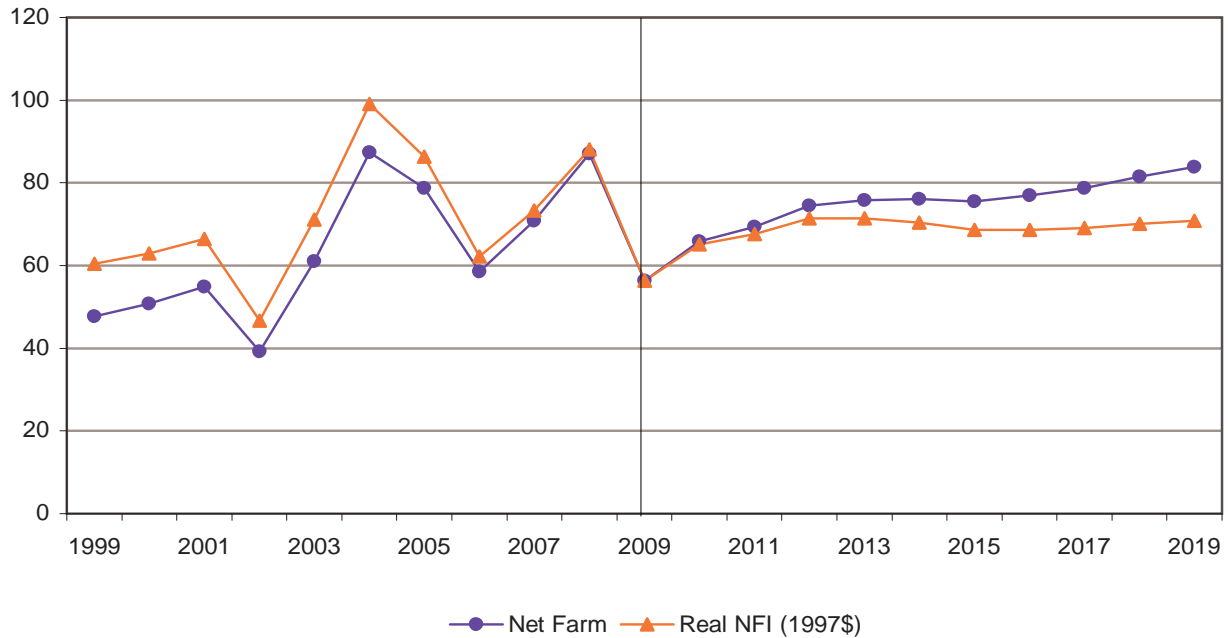


Mandatory U.S. Government Outlays, Fiscal Year



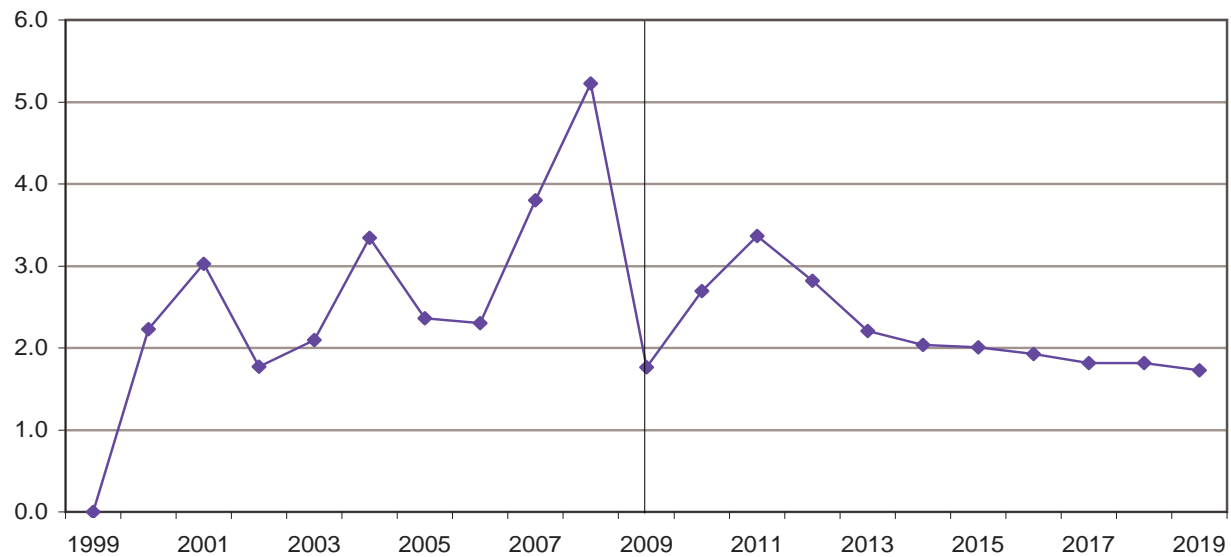
U.S. Farm Income

Billion Dollars



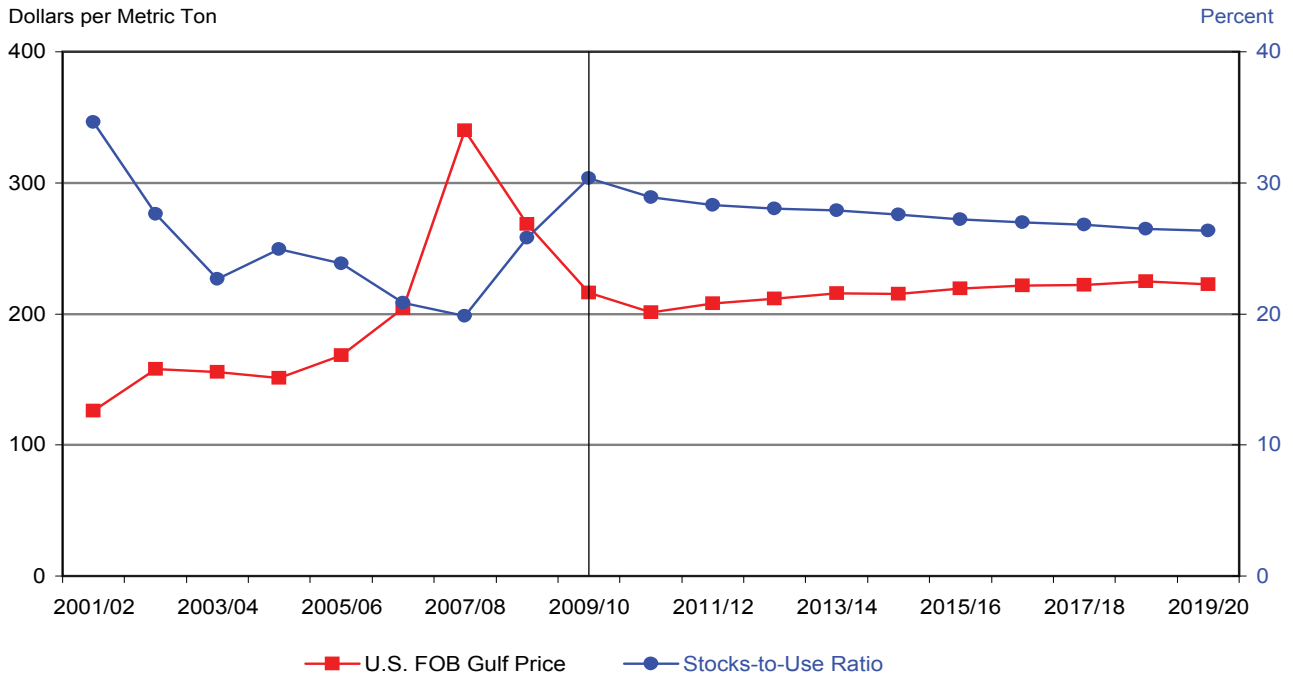
U.S. Consumer Price Index for Food

Percent *

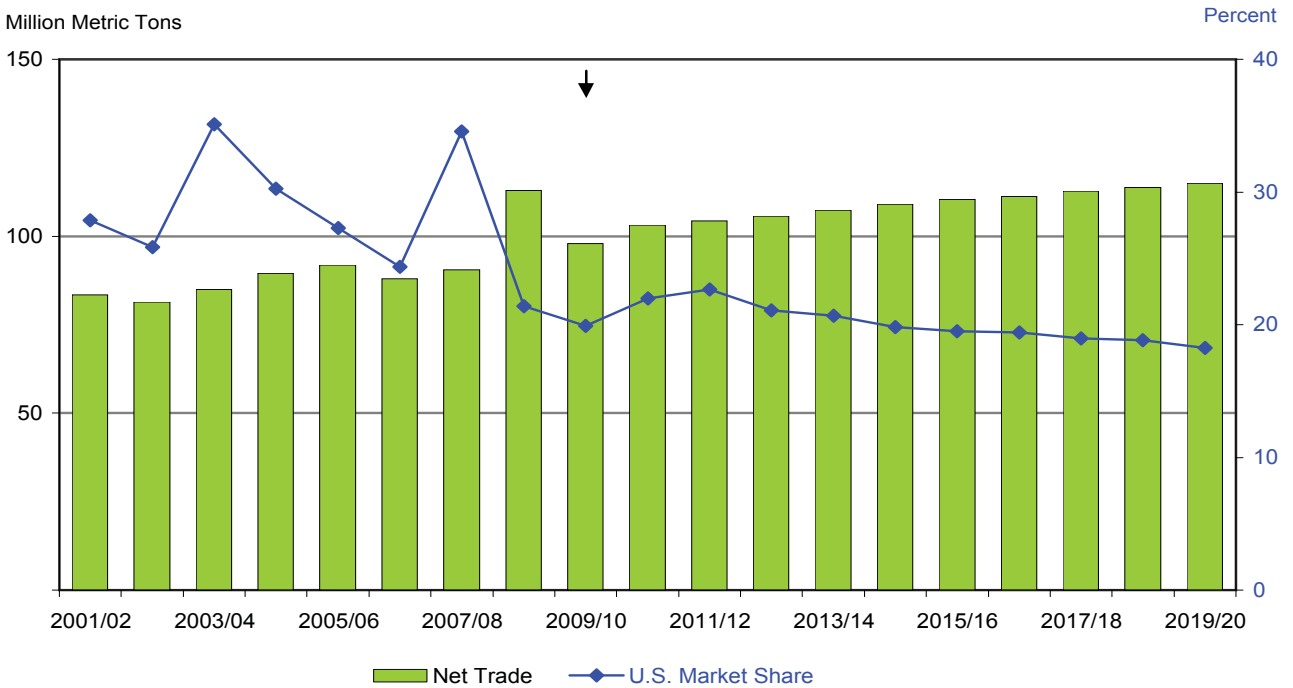


* Percentage increase in CPI for food vs. previous year.

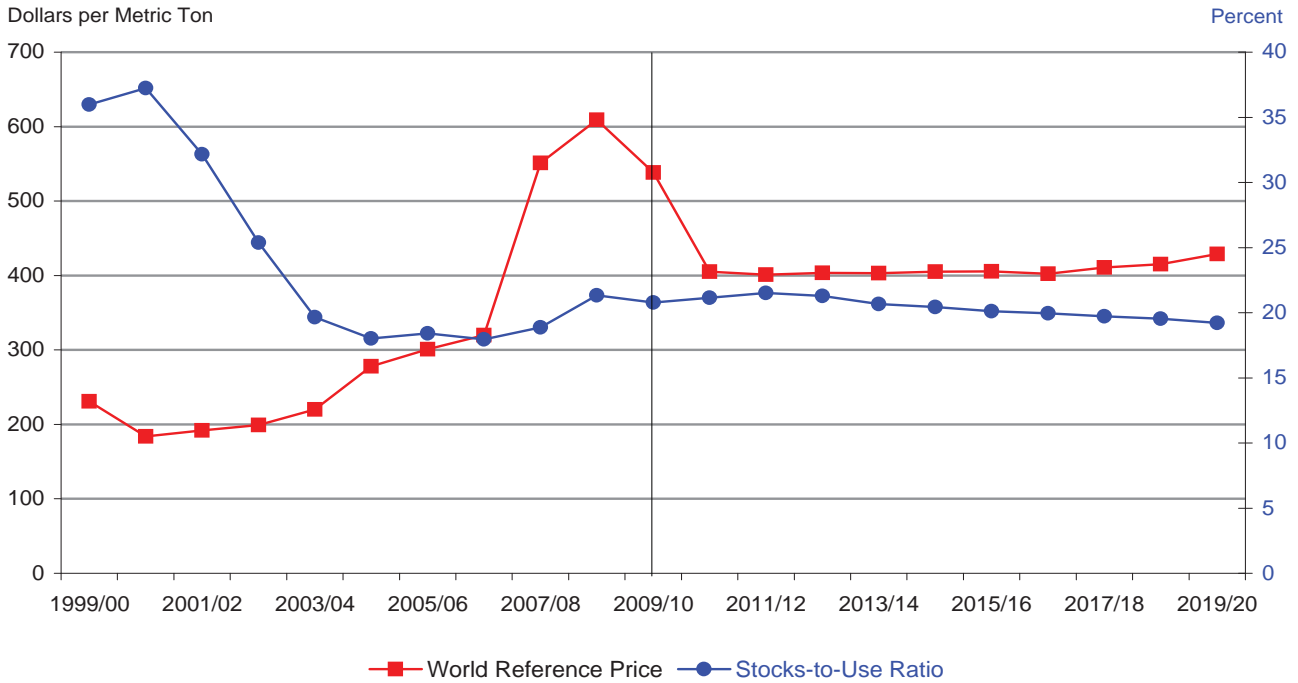
World Wheat Stocks-to-Use Ratio Versus Price



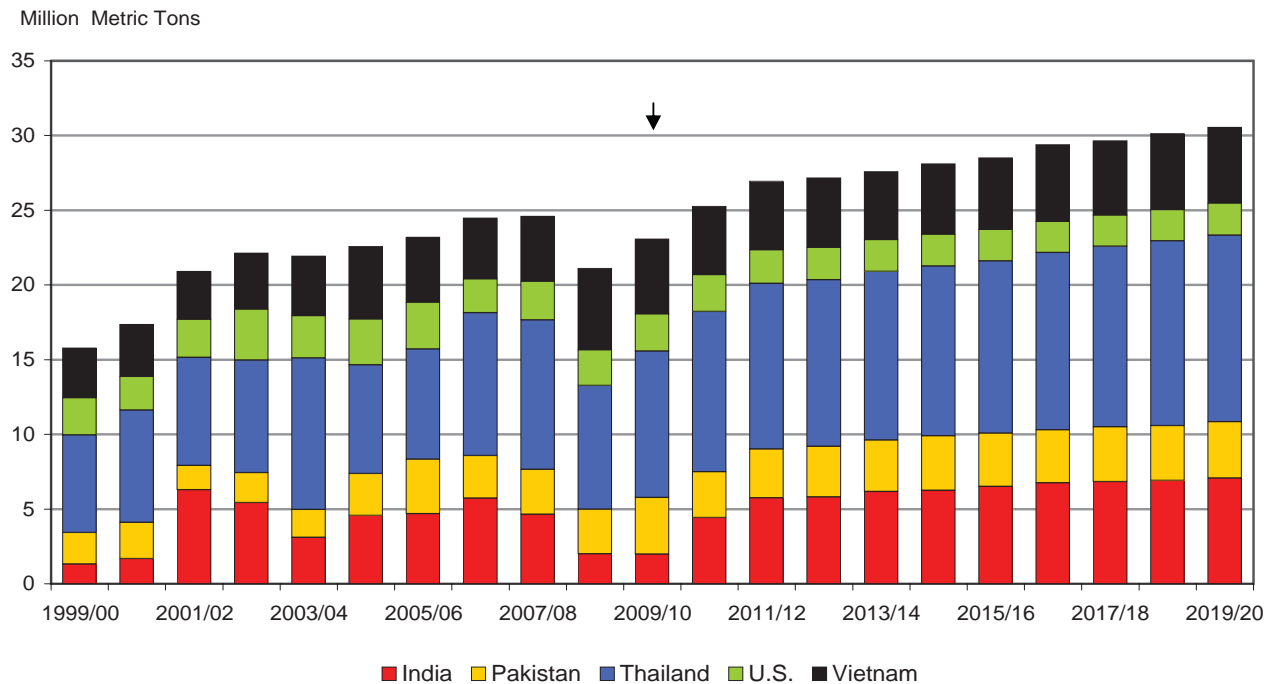
World Wheat Net Trade and U.S. Market Share



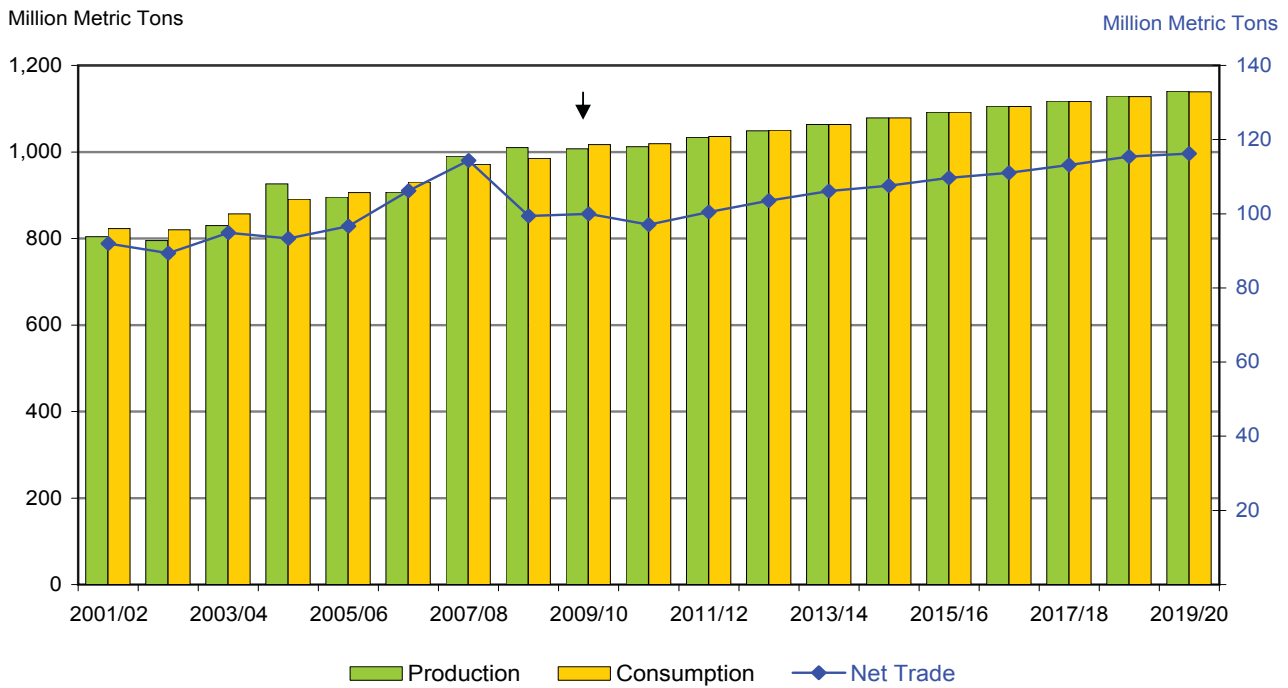
World Rice Stocks-to-Use Ratio Versus Price



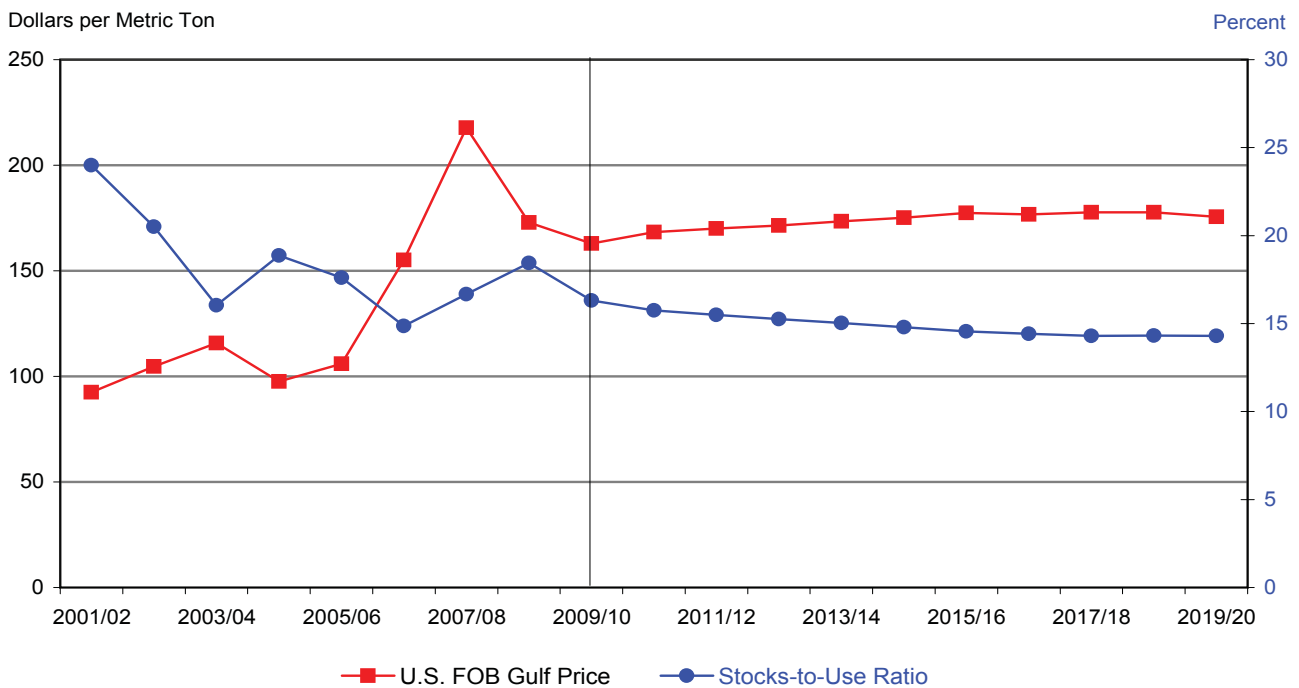
World Rice Net Exports



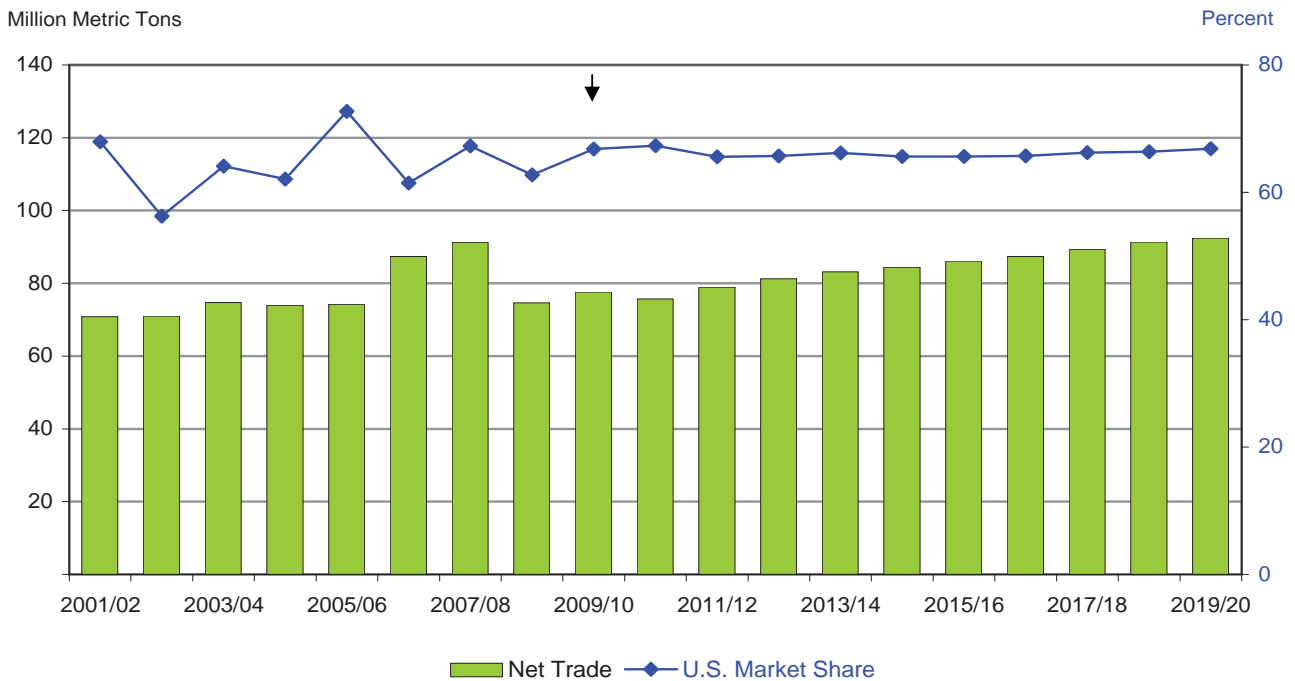
World Coarse Grain Supply and Utilization



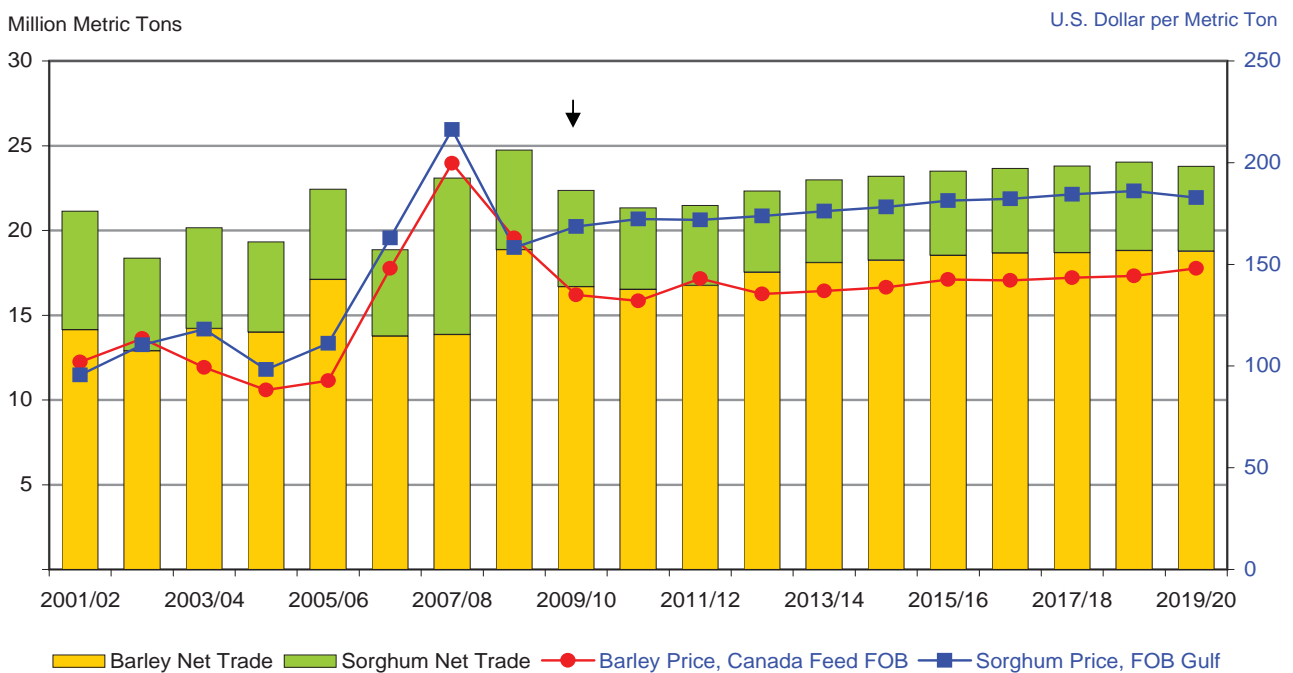
World Corn Stocks-to-Use Ratio Versus Price



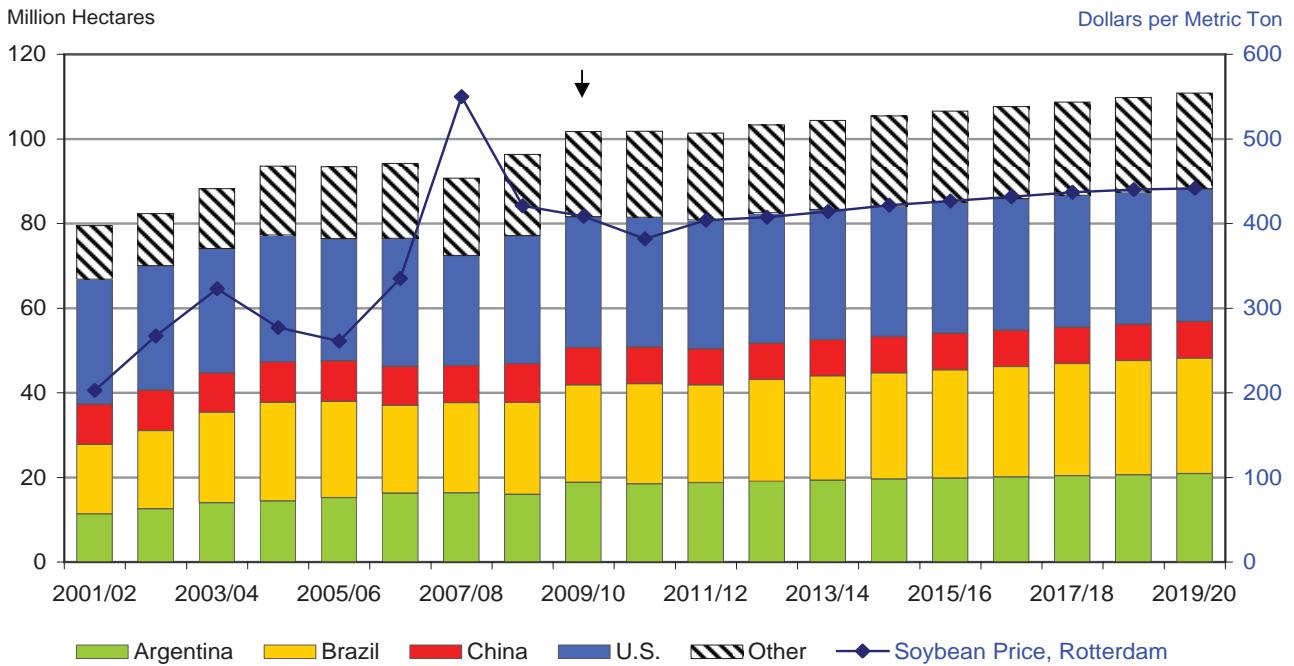
World Corn Net Trade and U.S. Market Share



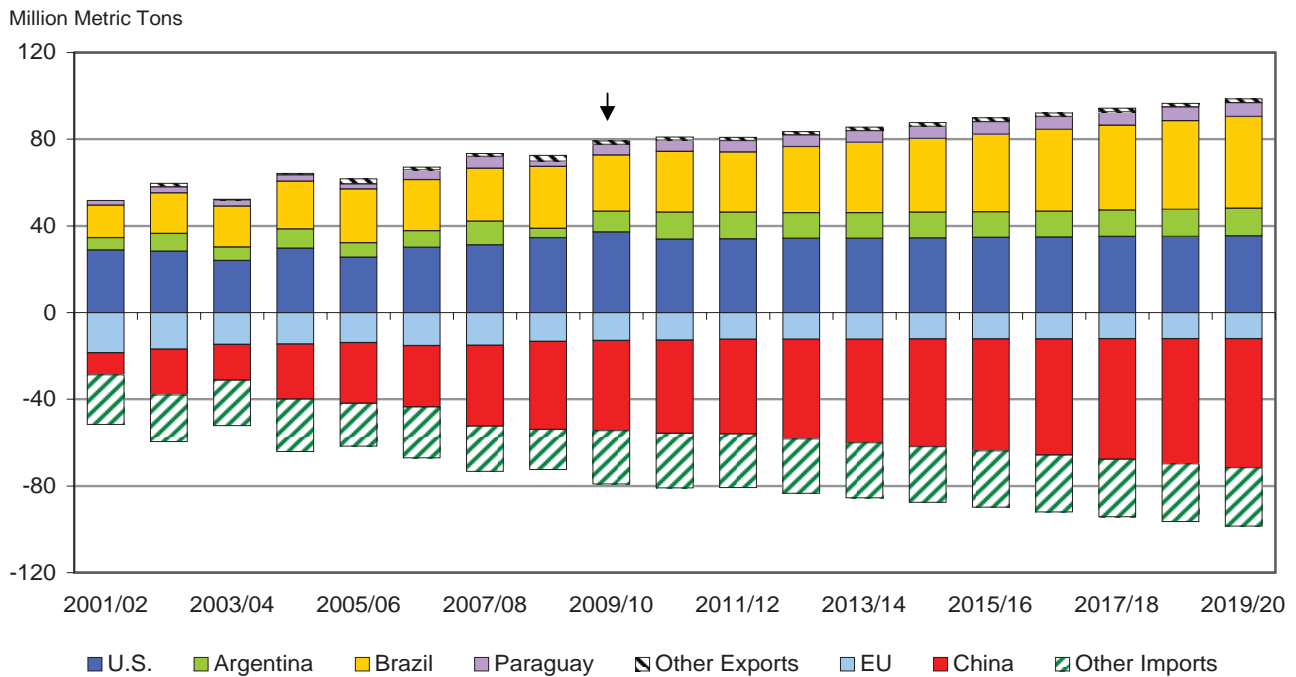
World Barley and Sorghum Net Trade and Prices



World Soybean Area Harvested and Price

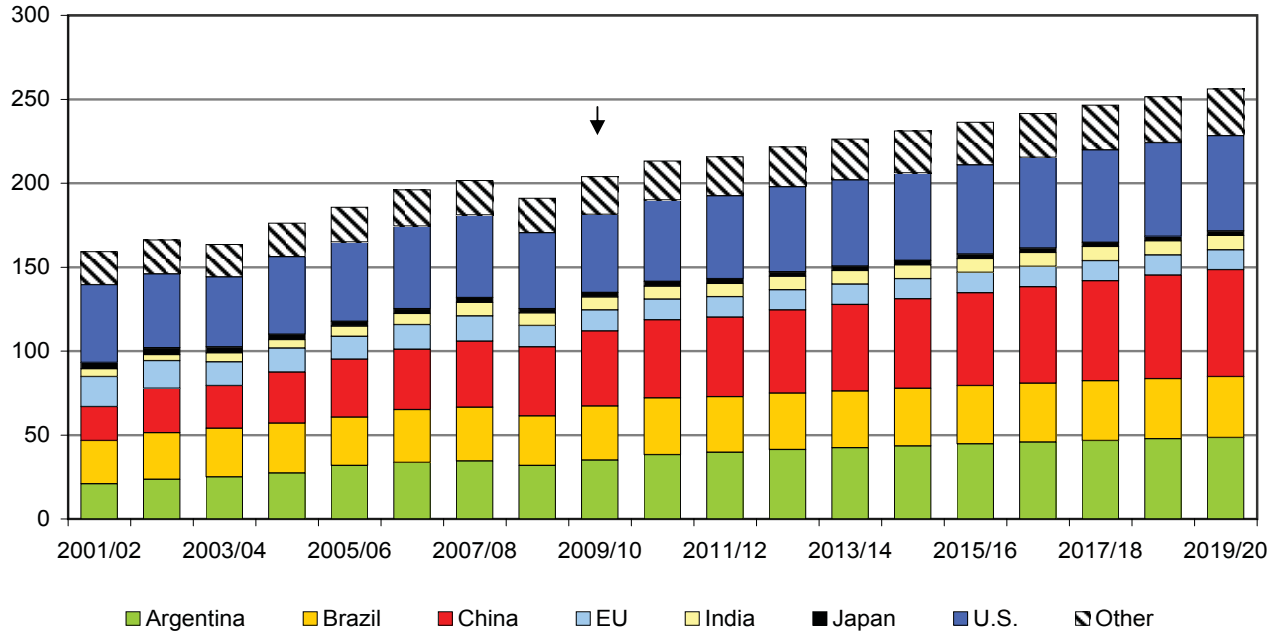


World Soybean Net Trade



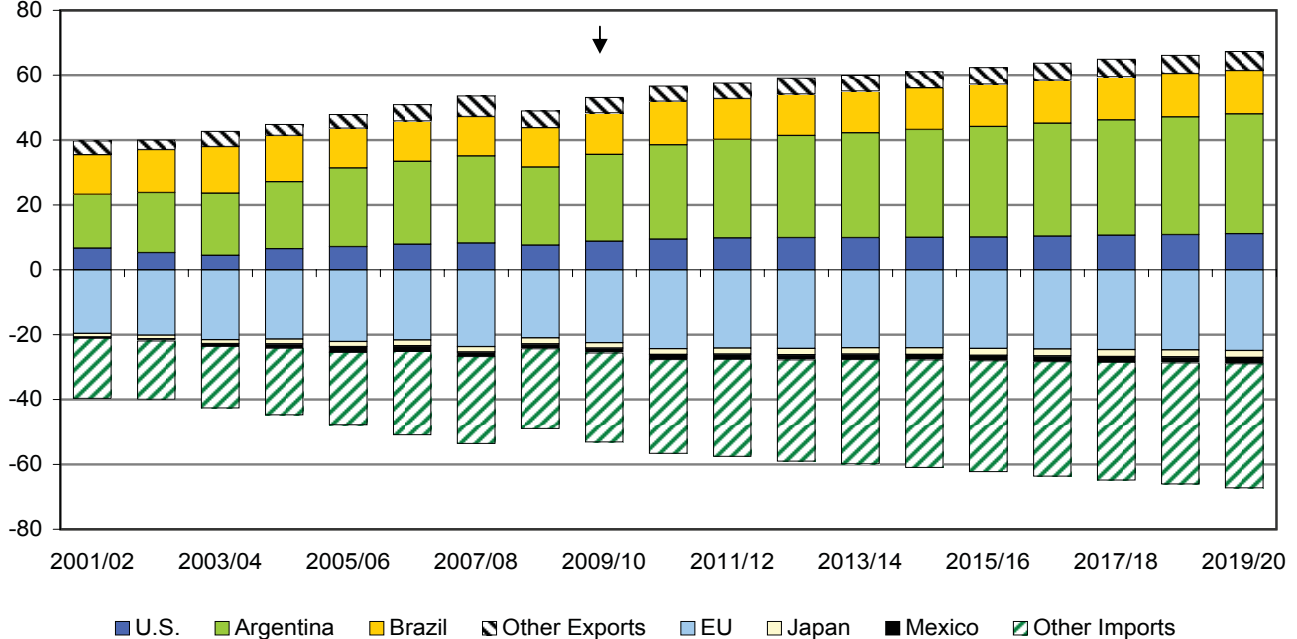
World Soybean Crush

Million Metric Tons

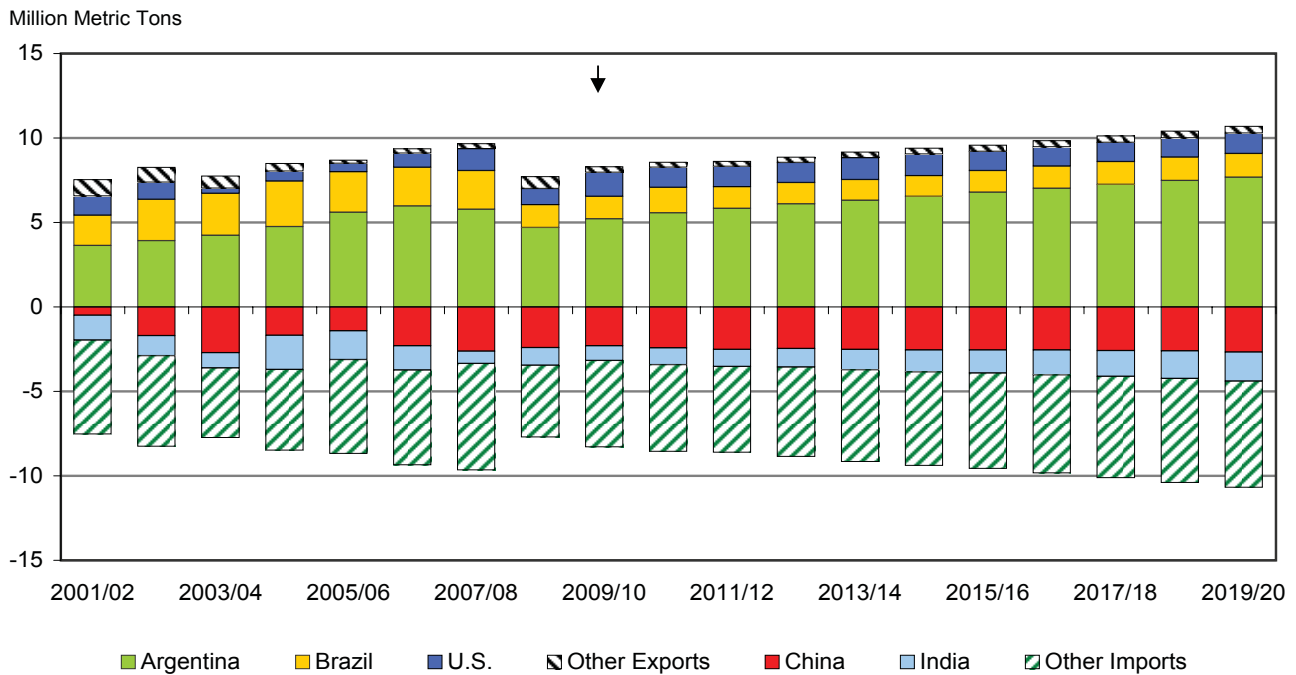


World Soybean Meal Net Trade

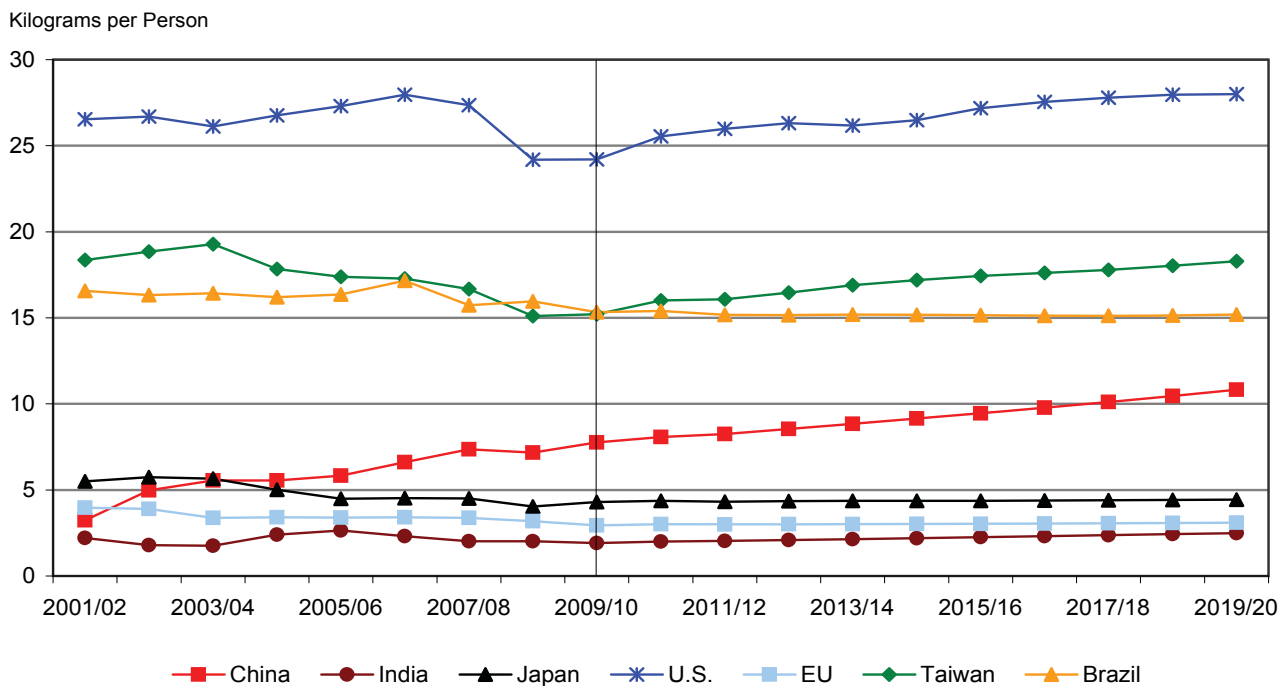
Million Metric Tons



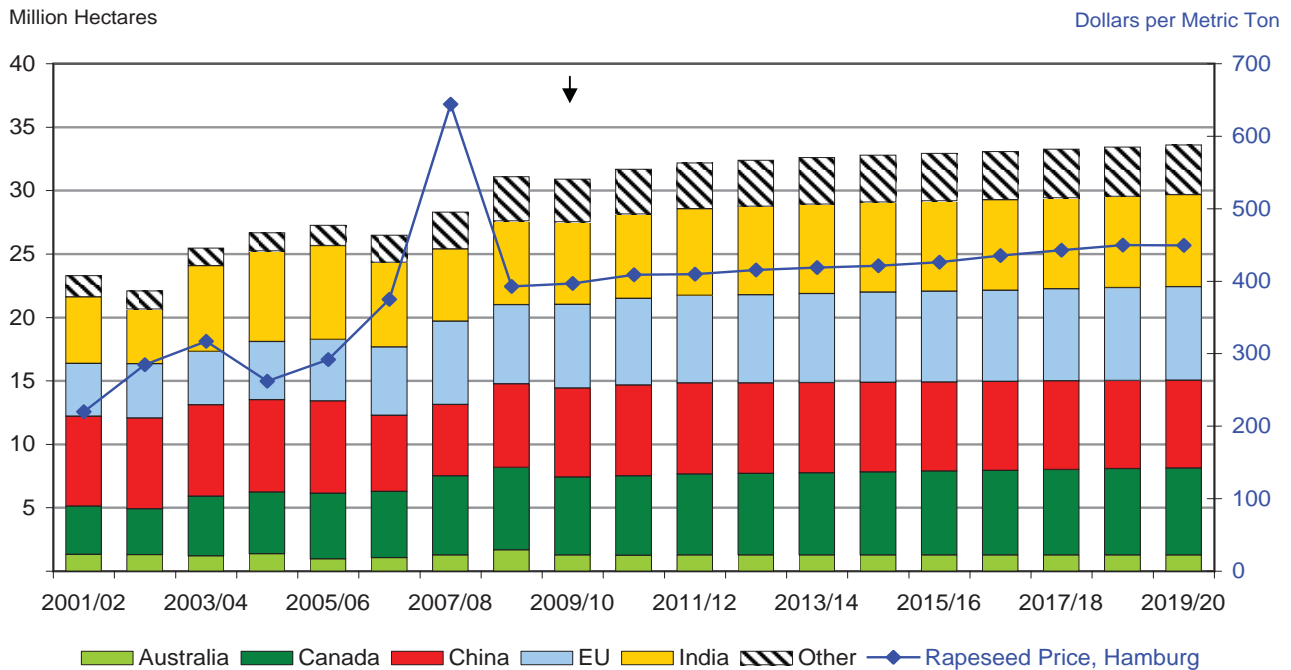
World Soybean Oil Net Trade



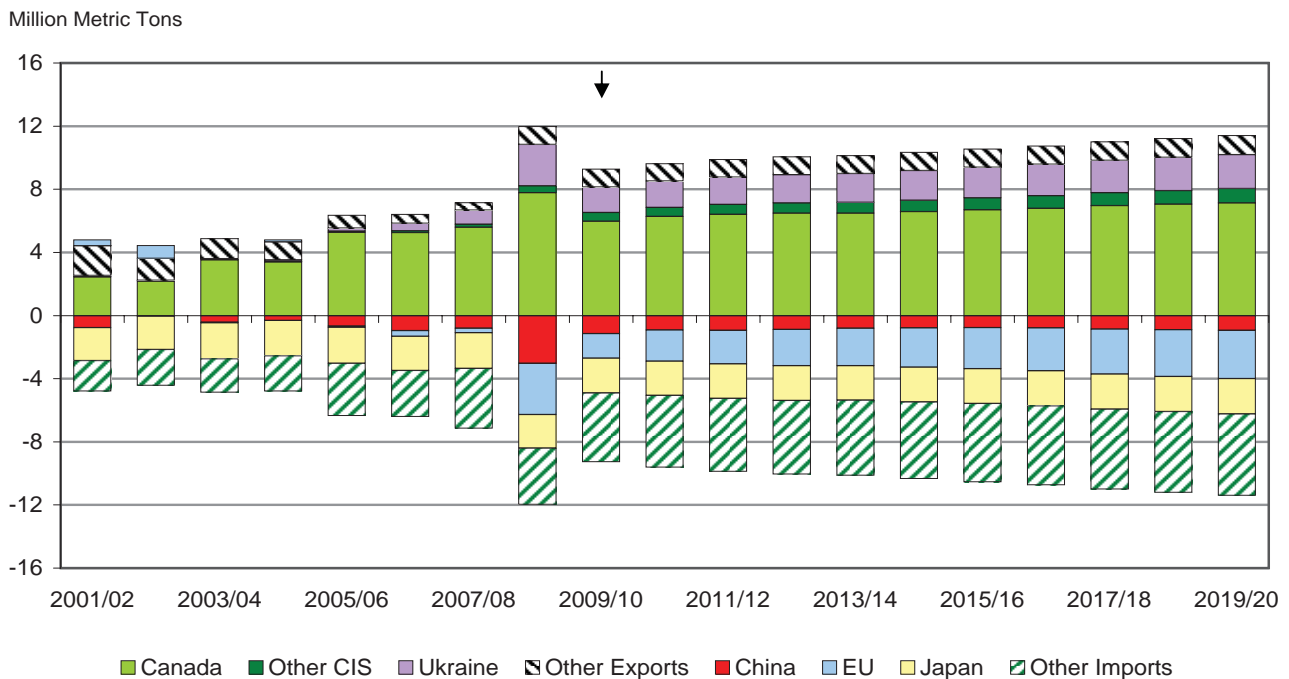
Soybean Oil Per Capita Consumption in Selected Countries



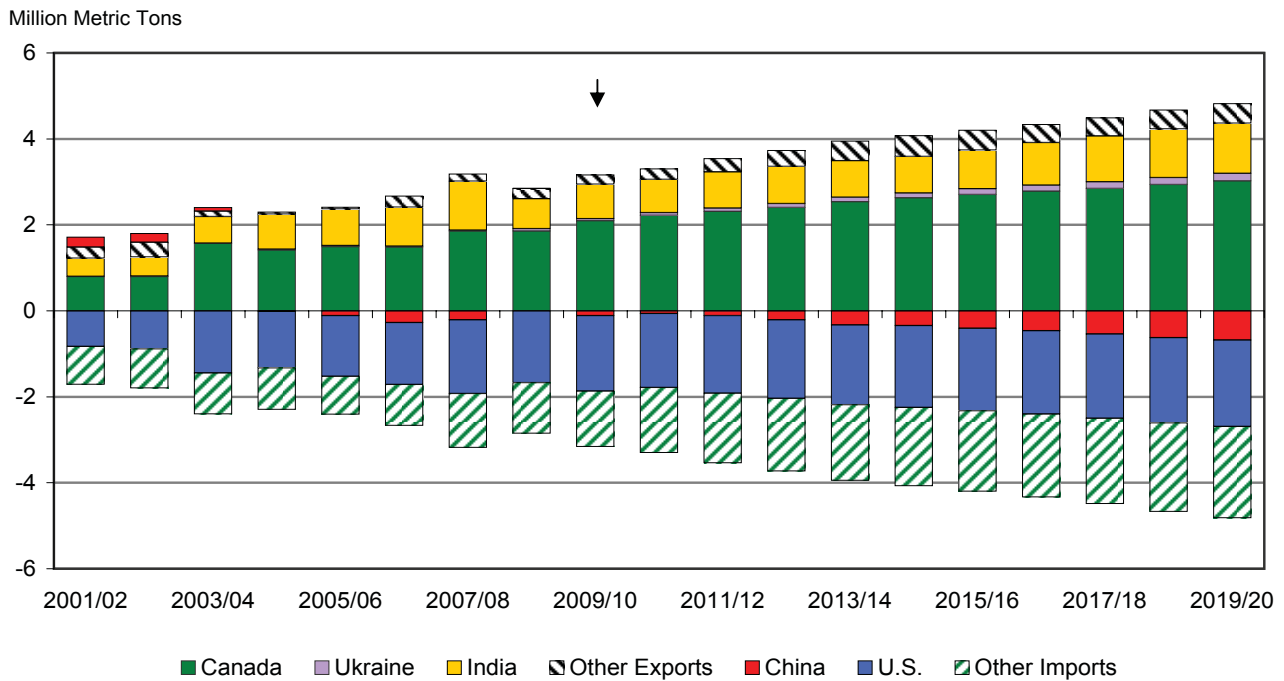
World Rapeseed Area Harvested and Price



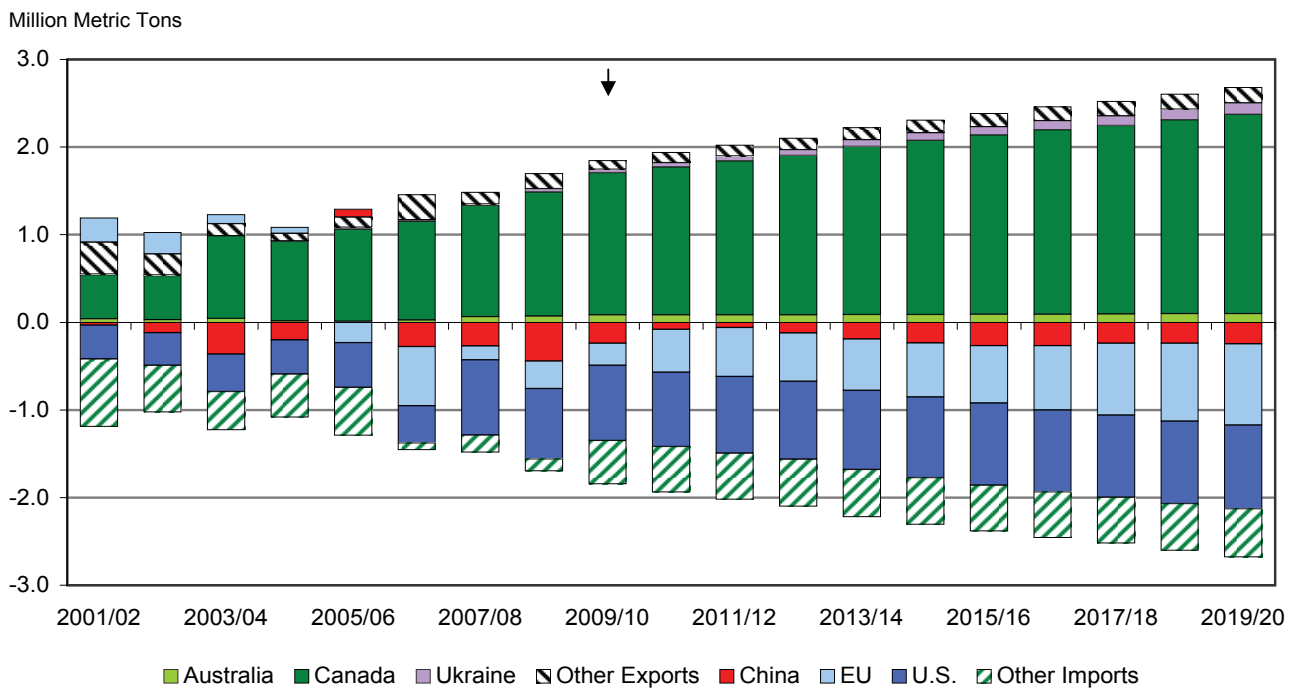
World Rapeseed Net Trade



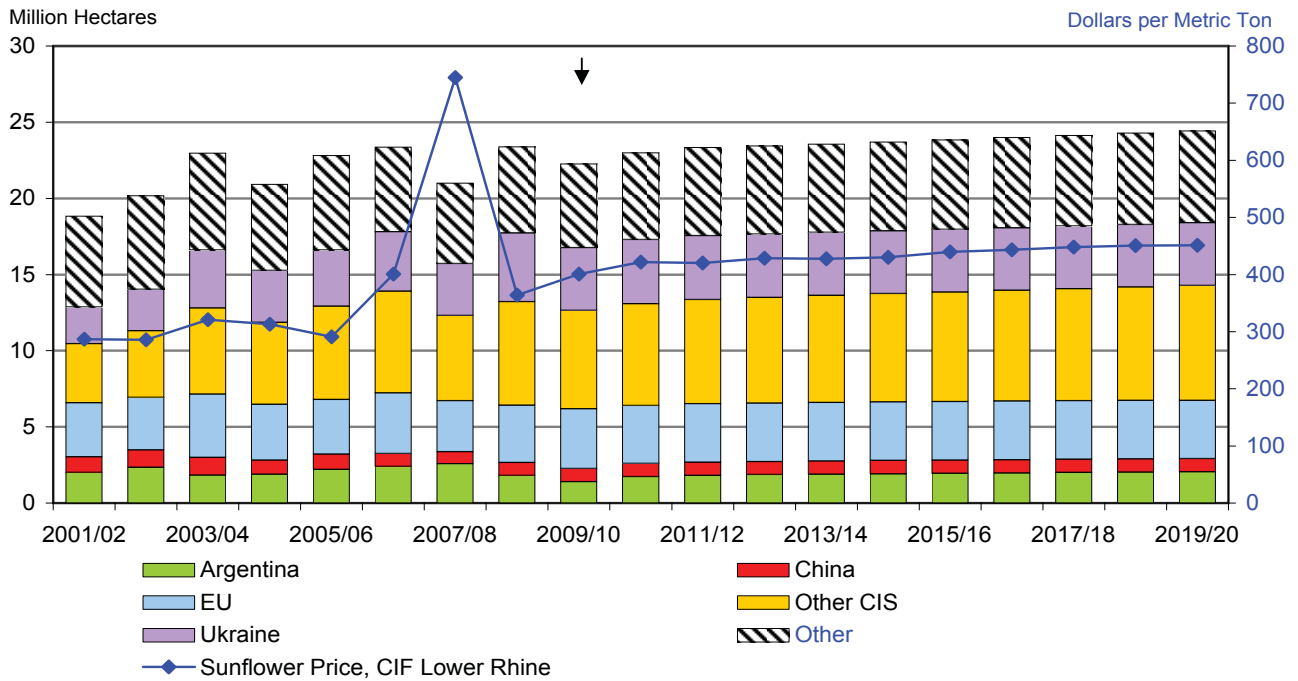
World Rapeseed Meal Net Trade



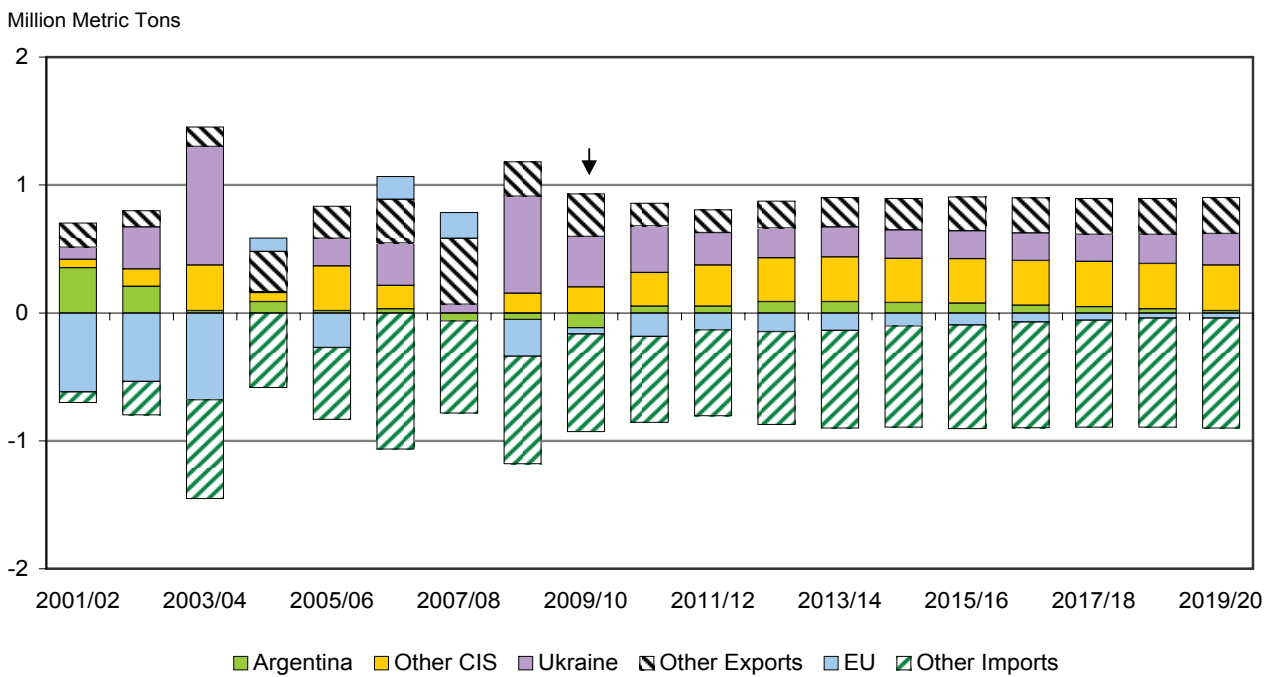
World Rapeseed Oil Net Trade



World Sunflower Area Harvested and Price

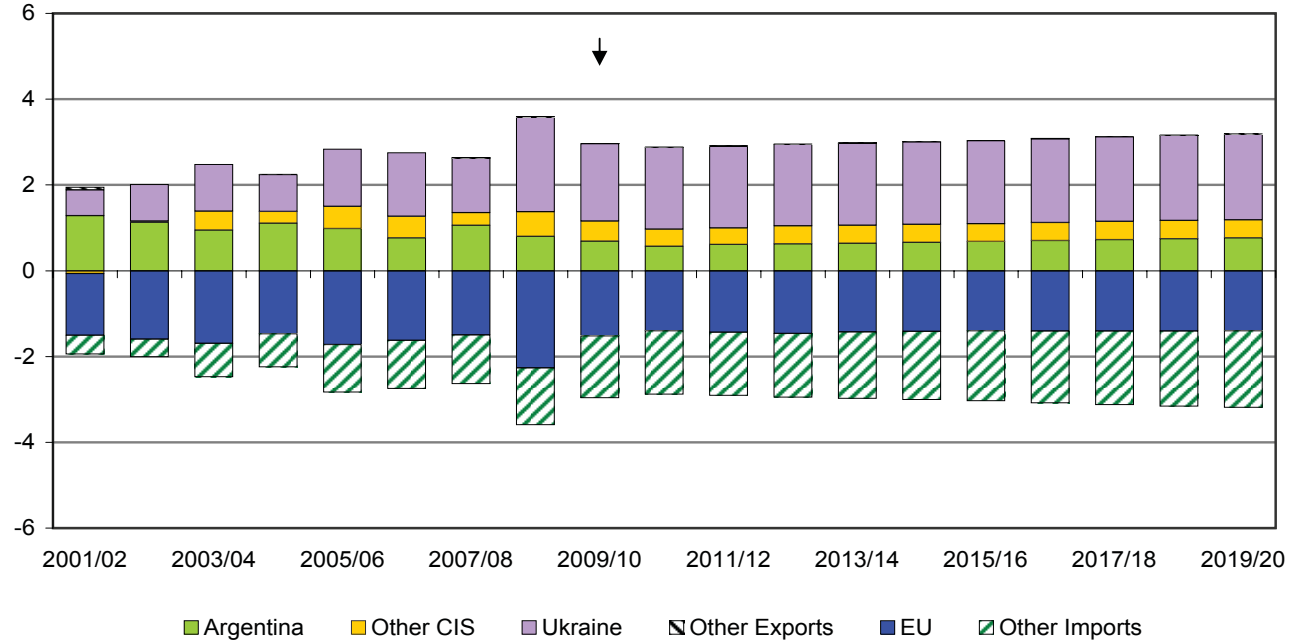


World Sunflower Net Trade



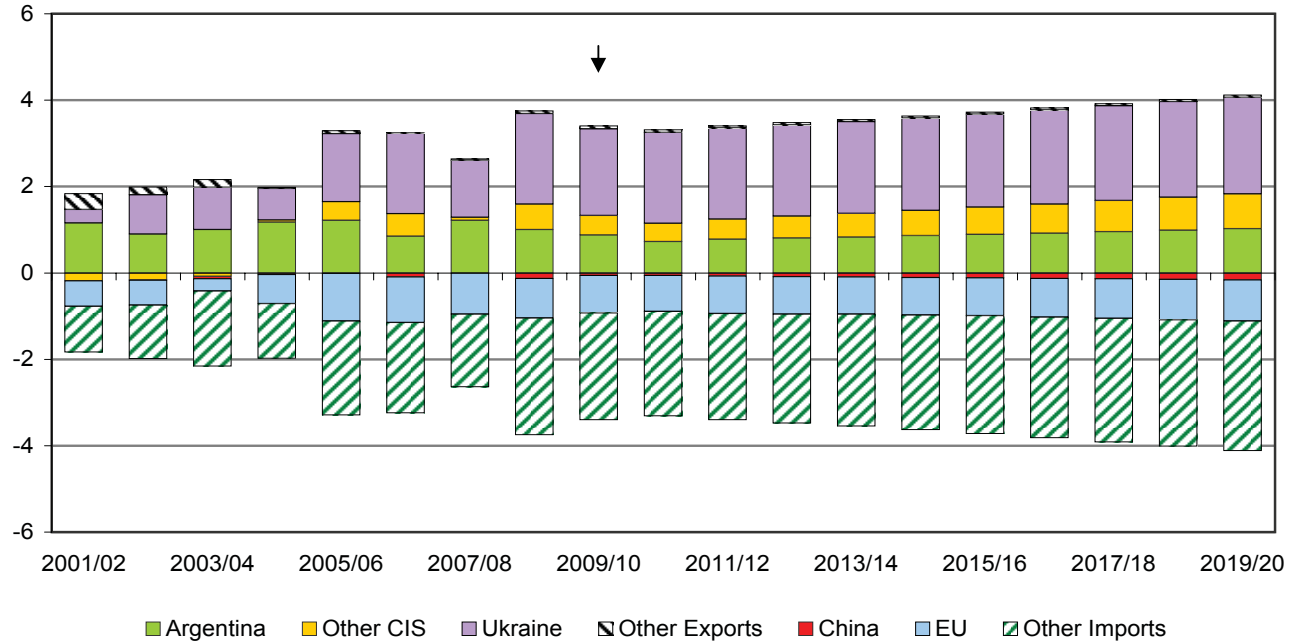
World Sunflower Meal Net Trade

Million Metric Tons

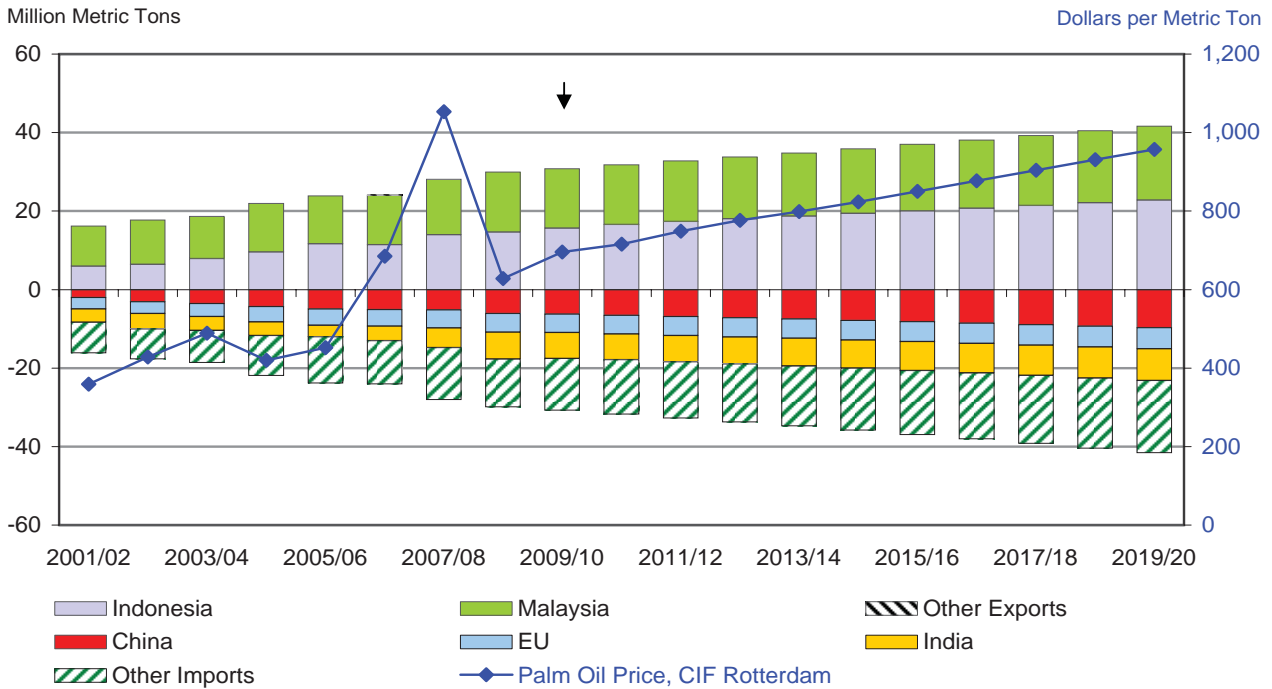


World Sunflower Oil Net Trade

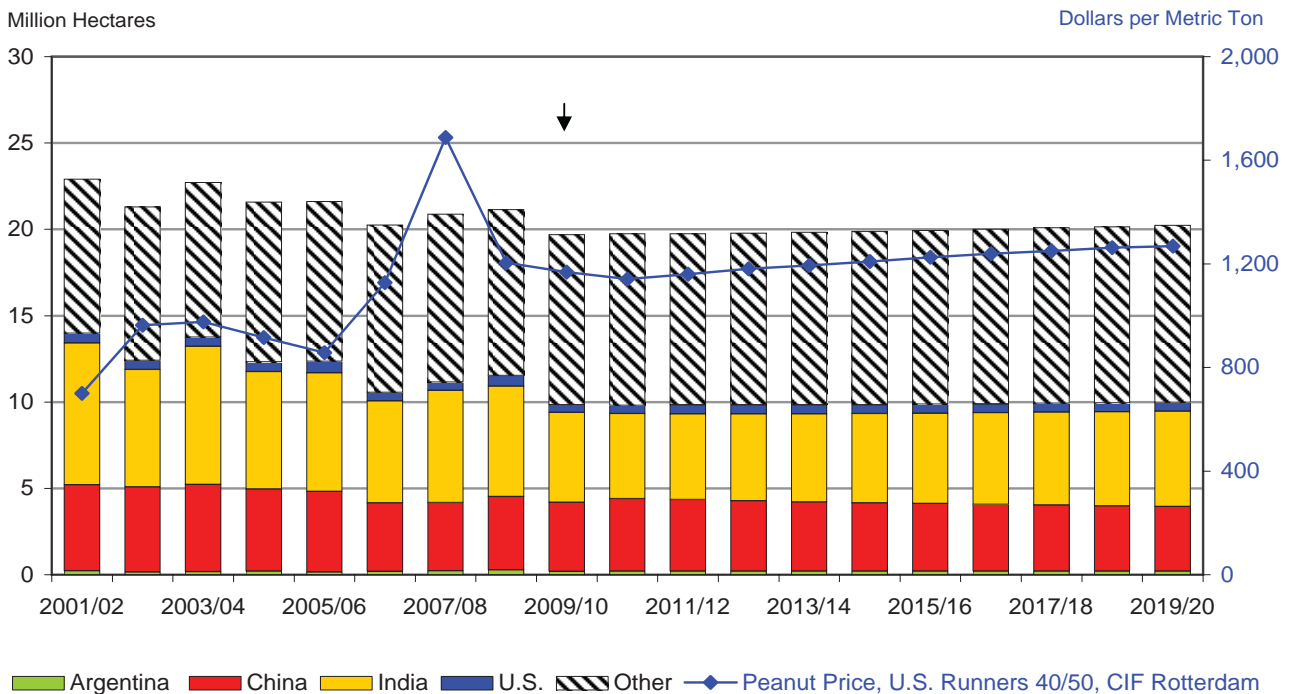
Million Metric Tons



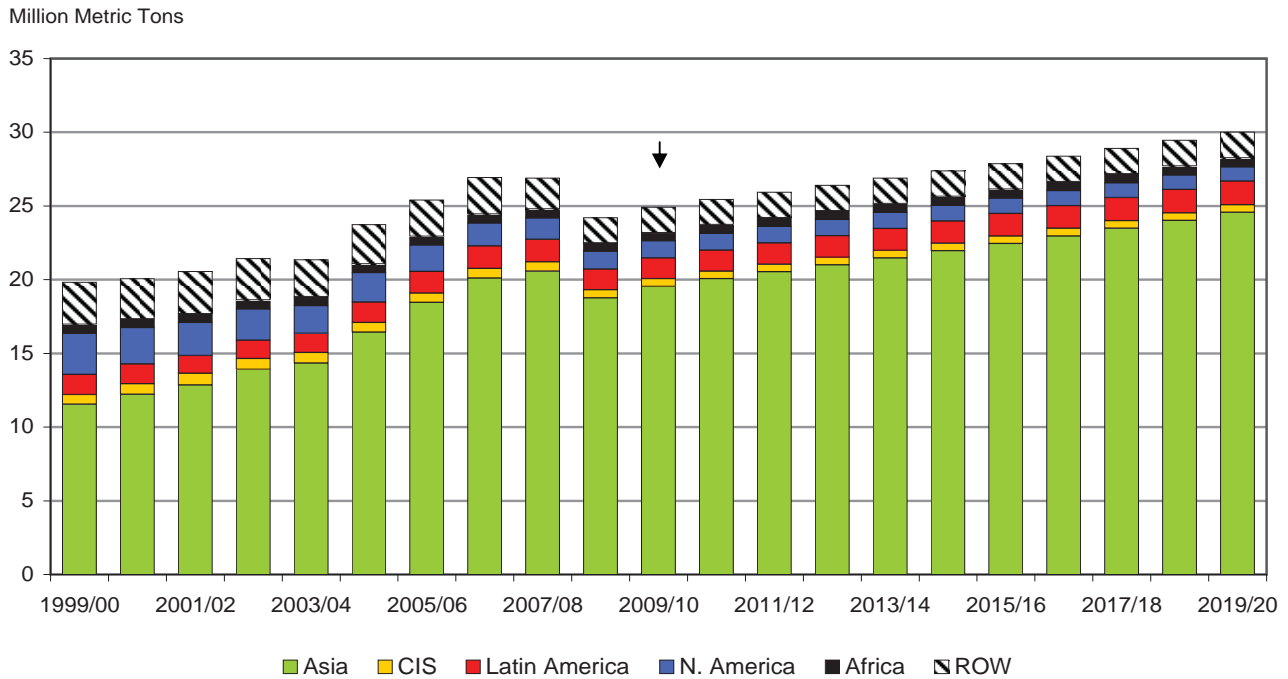
World Palm Oil Net Trade and Price



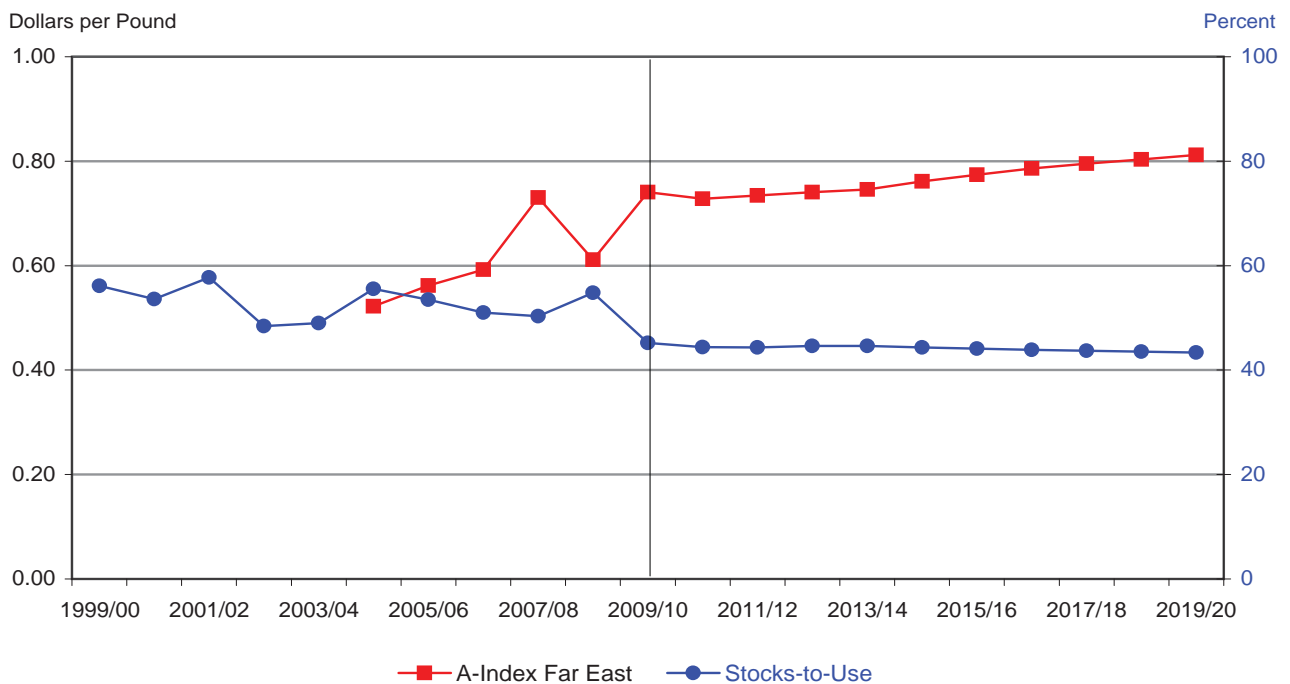
World Peanut Area Harvested and Price



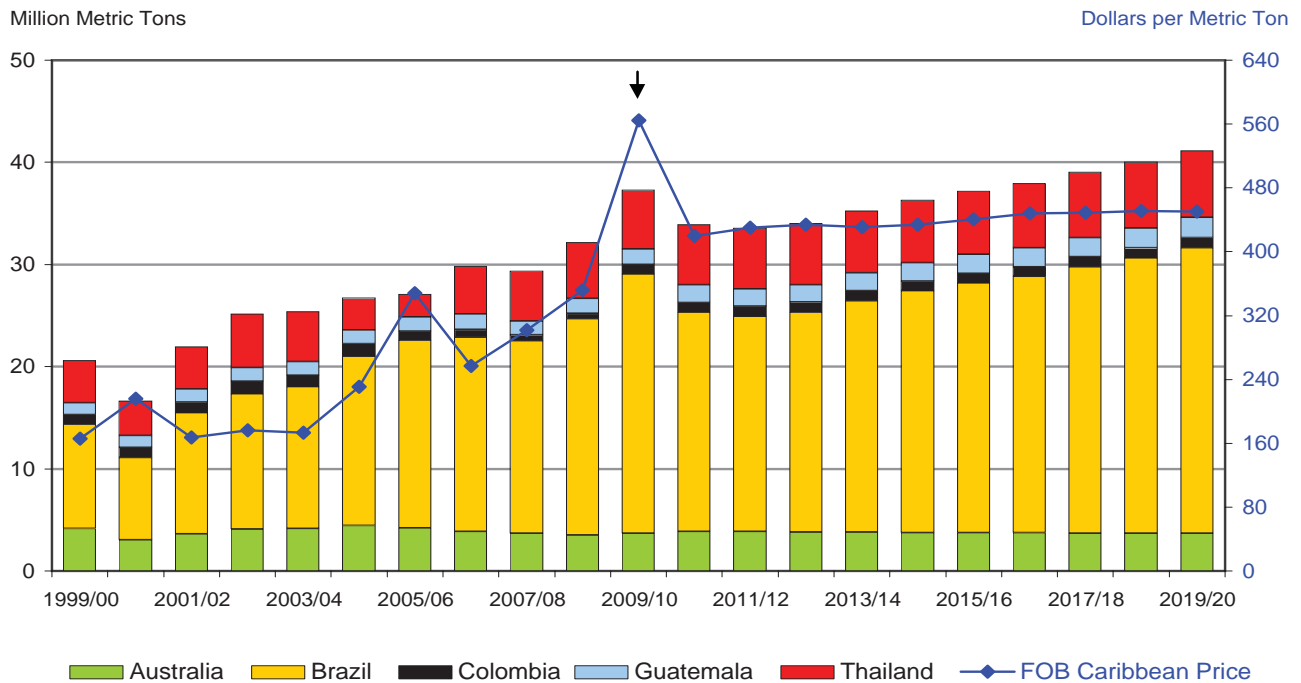
World Cotton Consumption



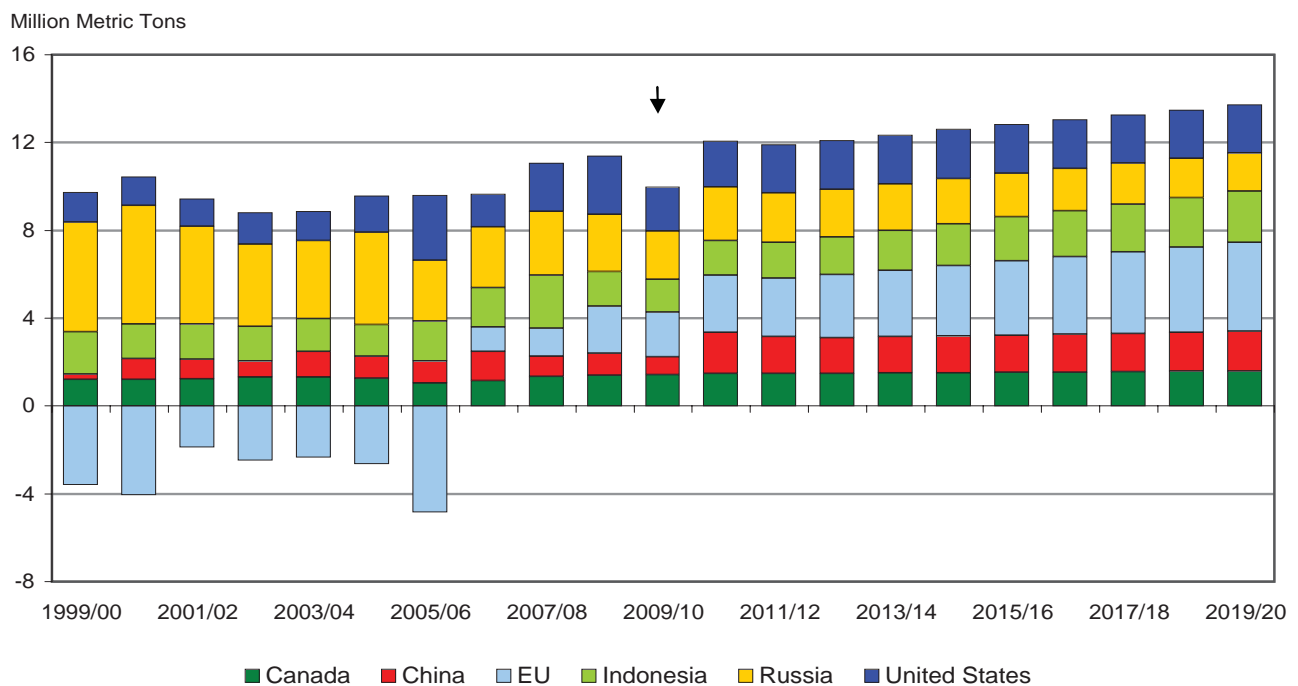
World Cotton Stocks-to-Use Ratio Versus Price



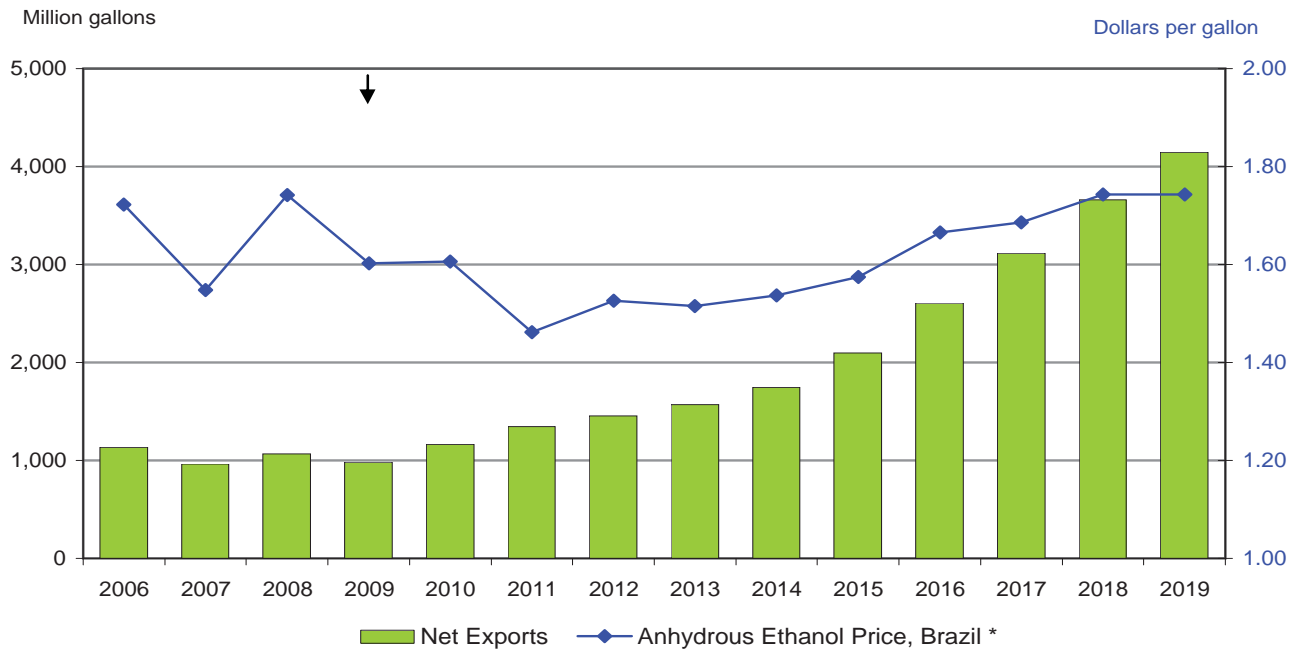
Major Sugar Net Exporters and World Raw Sugar Price



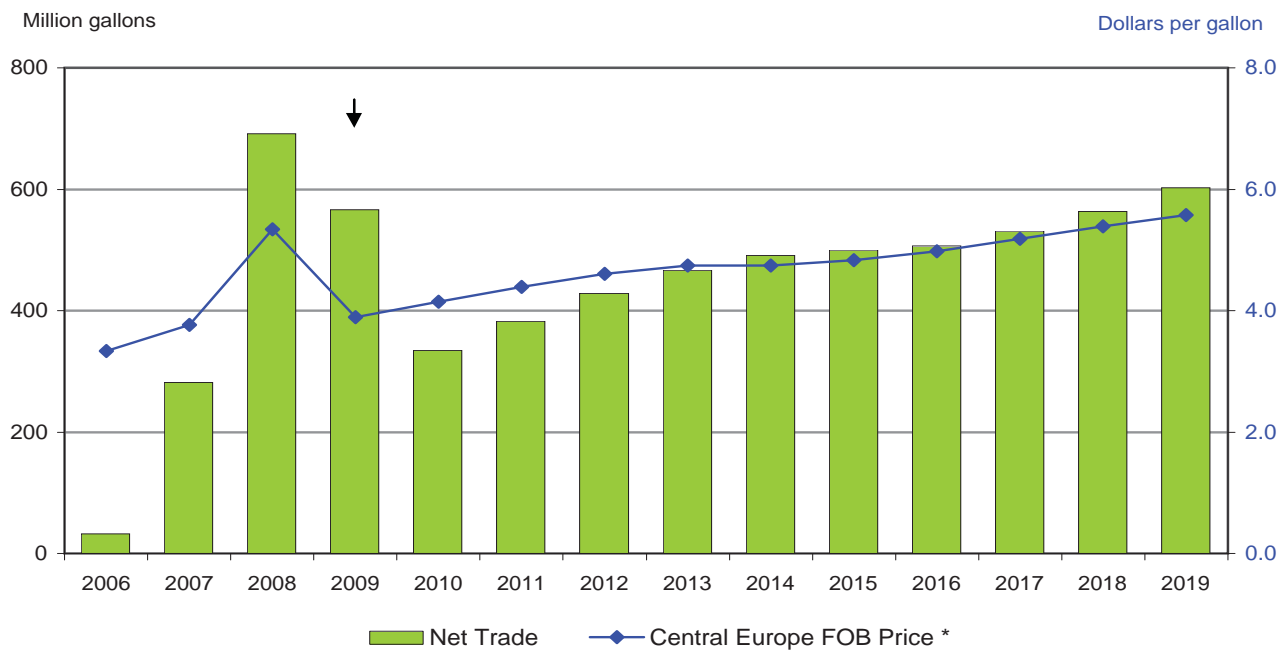
Major Sugar Net Importers



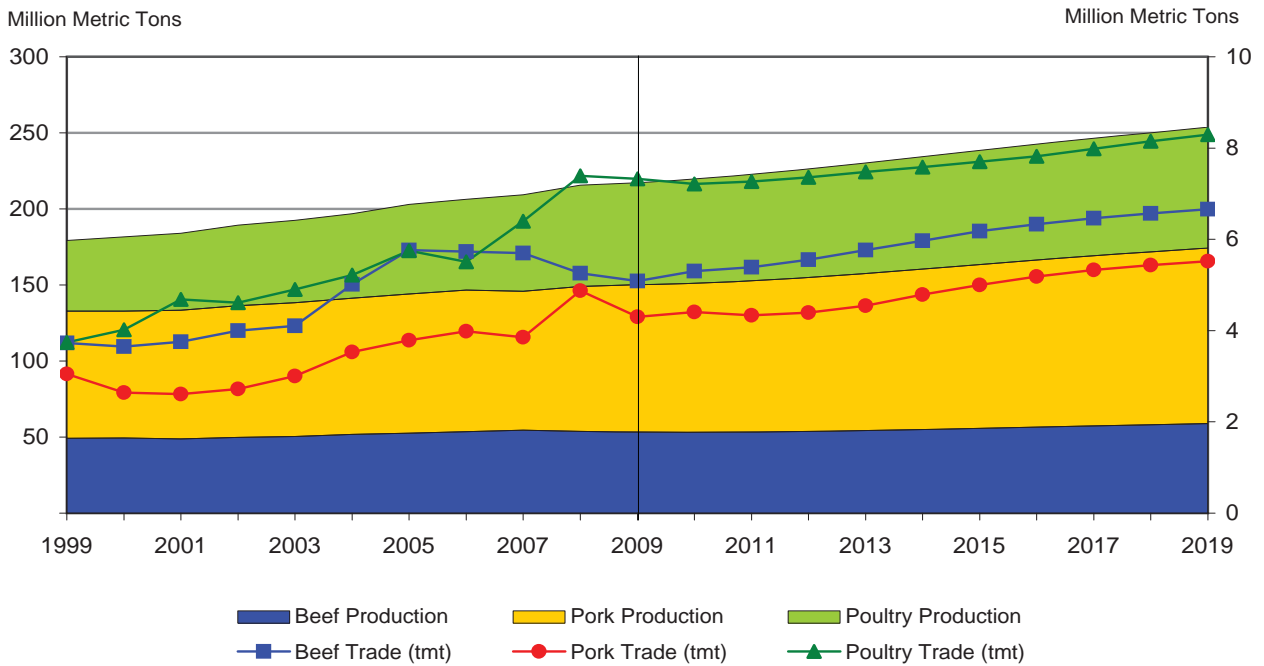
World Ethanol Price and Net Trade



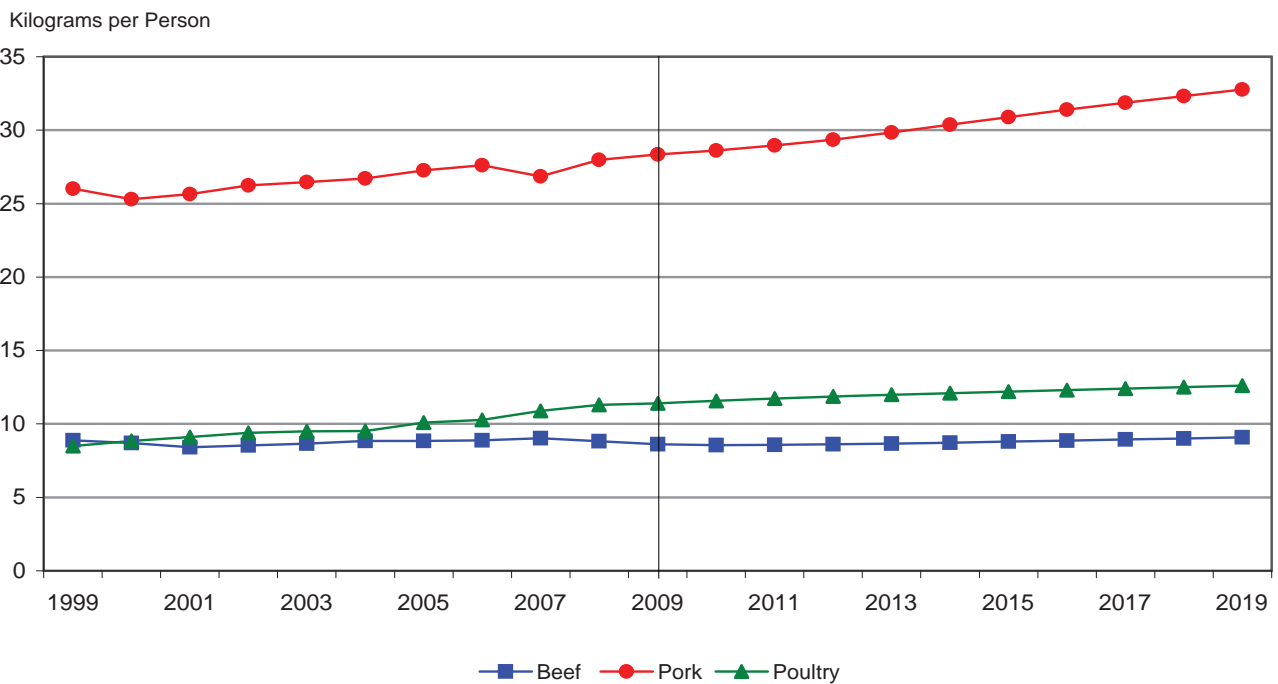
World Biodiesel Price and Net Trade



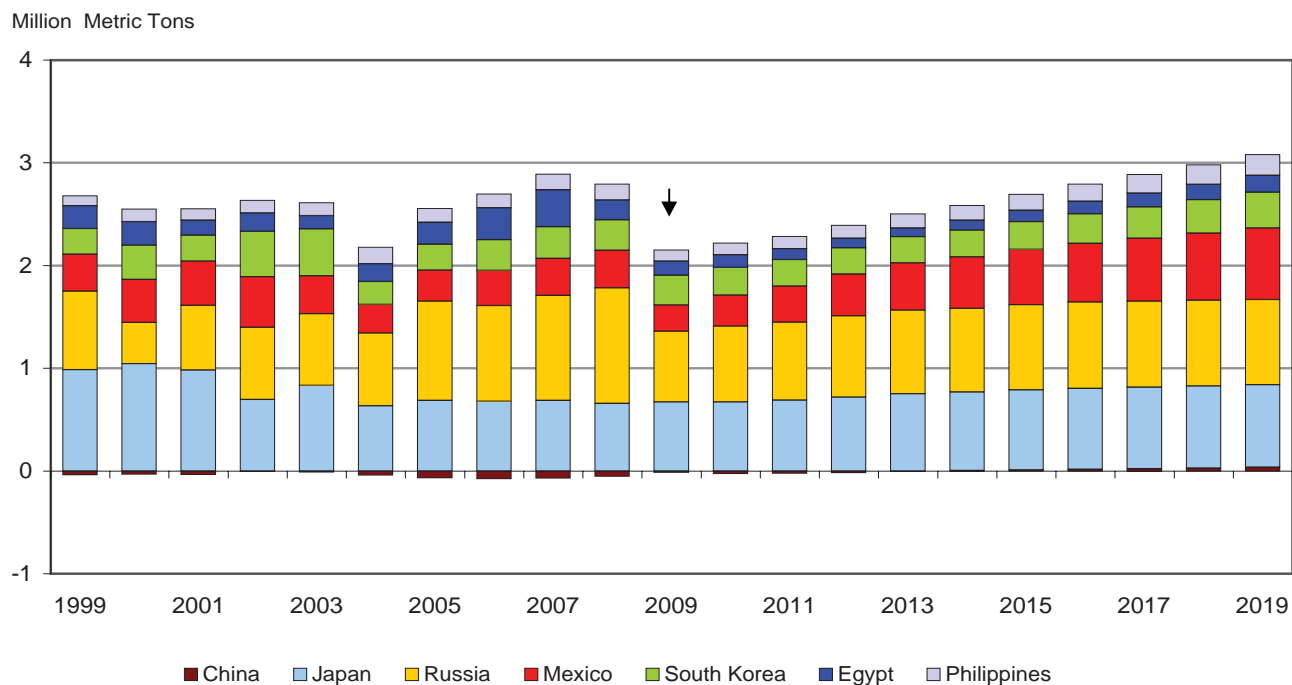
World Meat Production and Trade



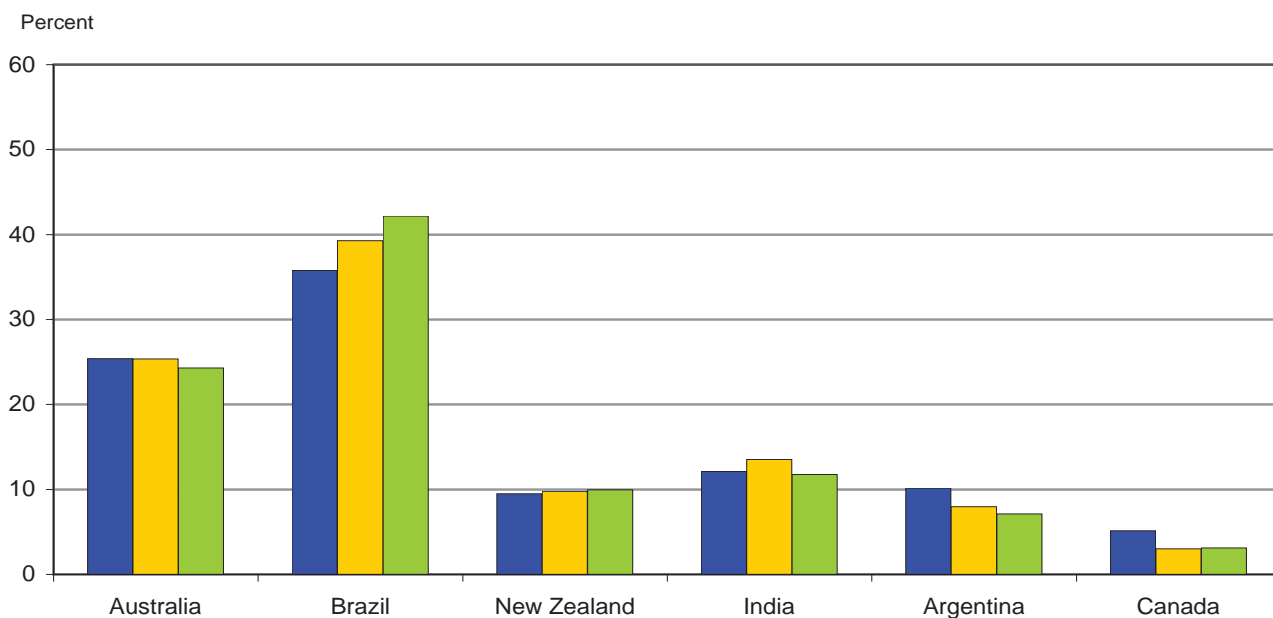
Per Capita Meat Consumption



Major Beef Importing Countries



Beef Export Market Share*

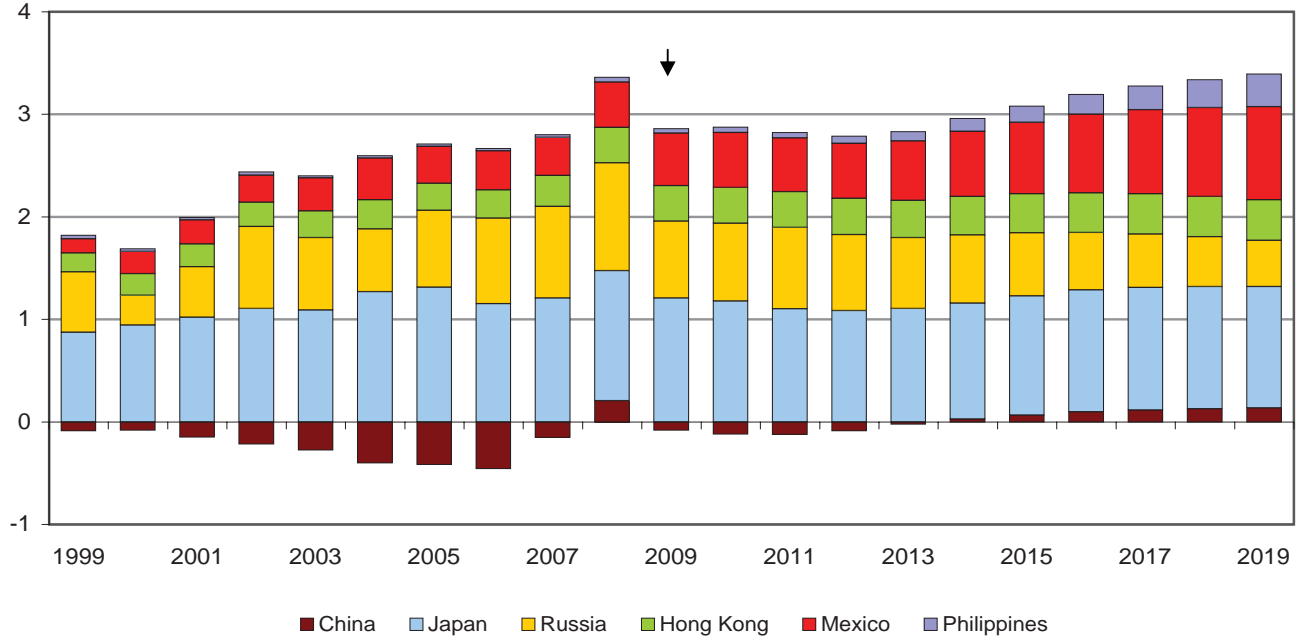


* Based on net exports.

Legend: 2005/2009 (dark blue), 2010/2014 (yellow), 2015/2019 (green)

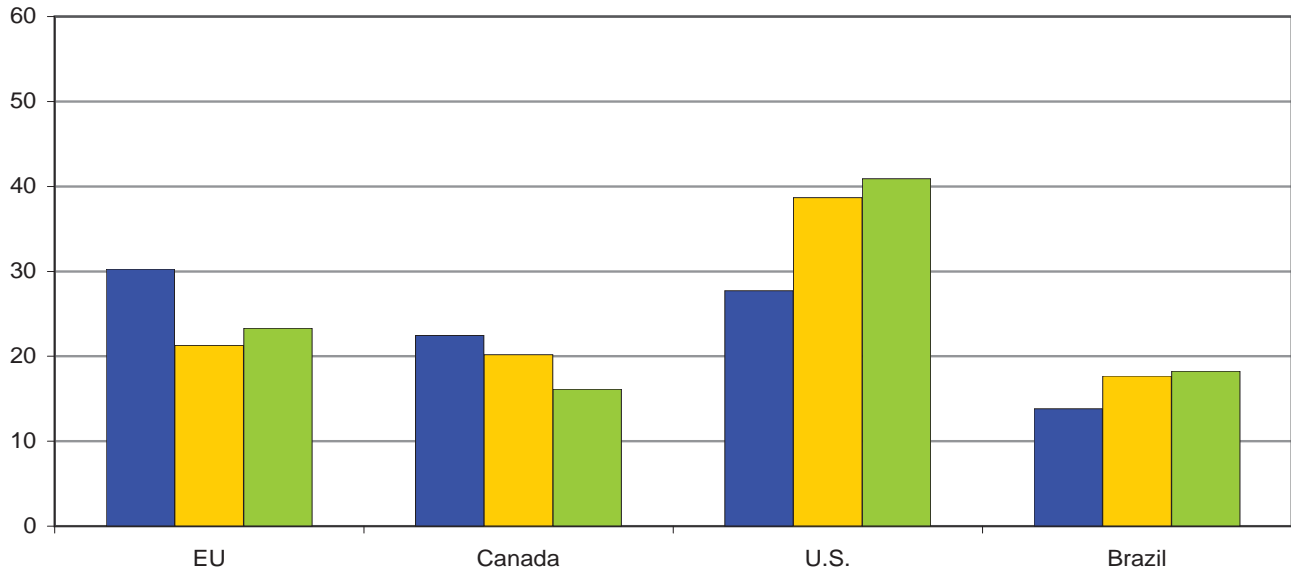
Major Pork Importing Countries

Million Metric Tons



Pork Export Market Share*

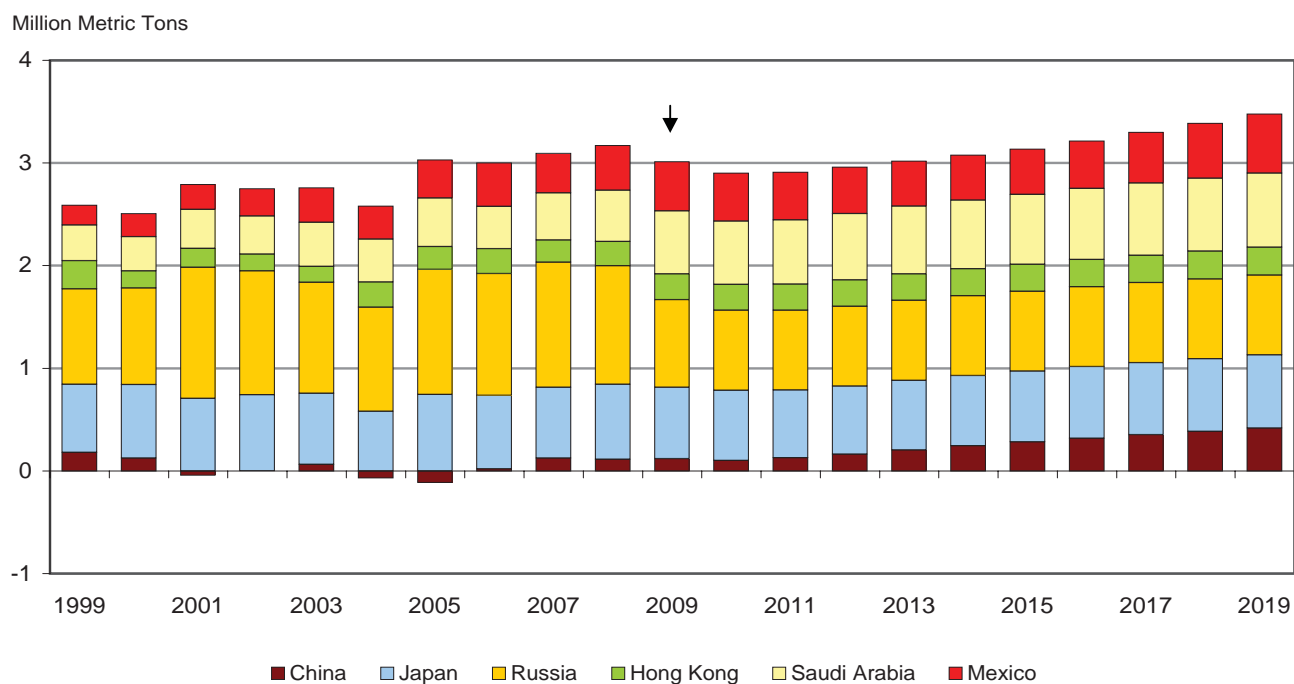
Percent



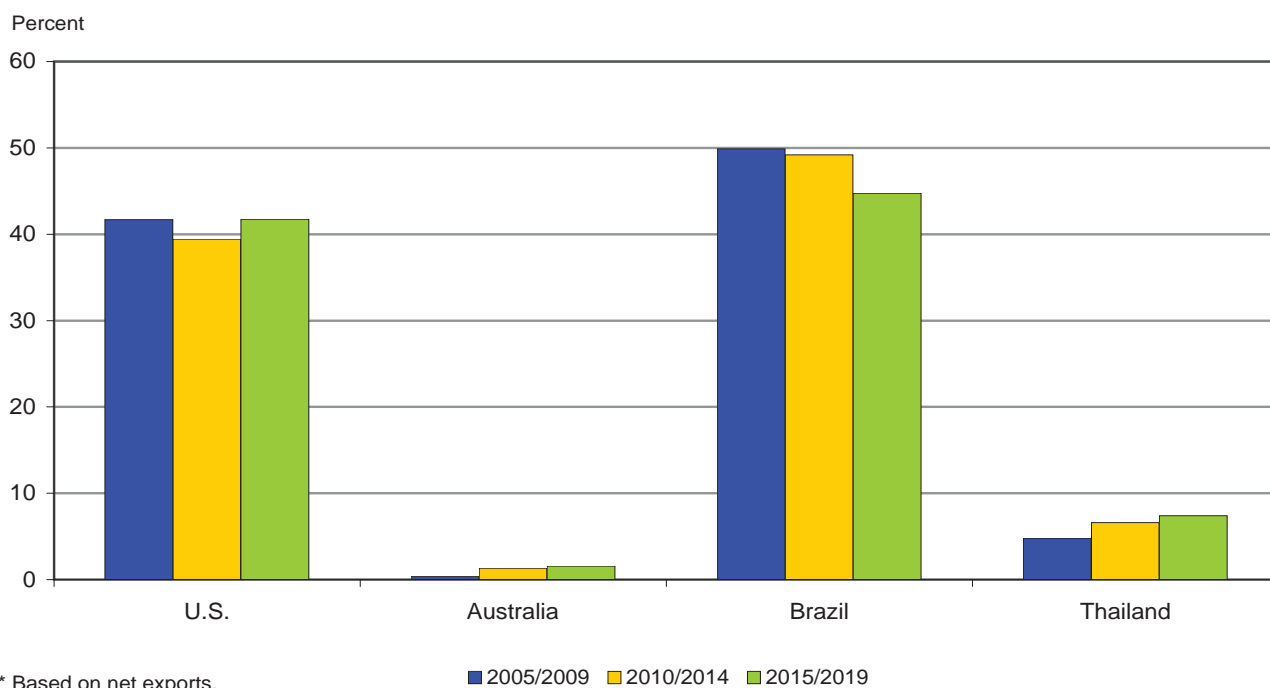
* Based on net exports.

■ 2005/2009 ■ 2010/2014 ■ 2015/2019

Major Broiler Importing Countries



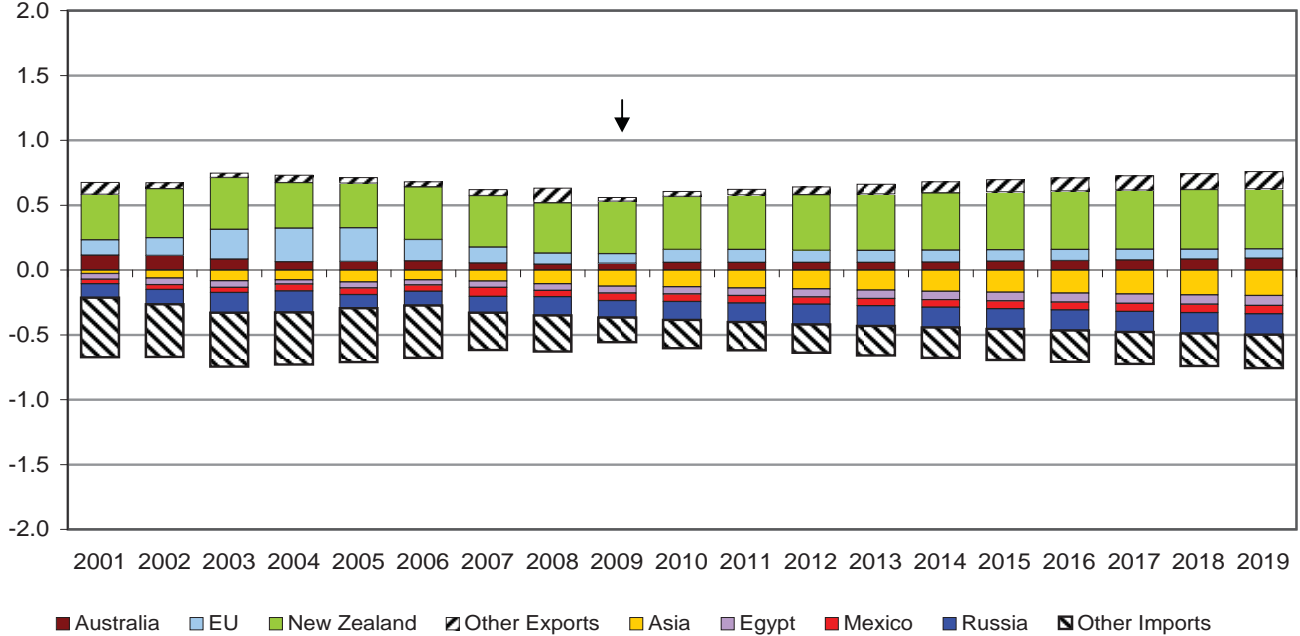
Broiler Export Market Share*



* Based on net exports.

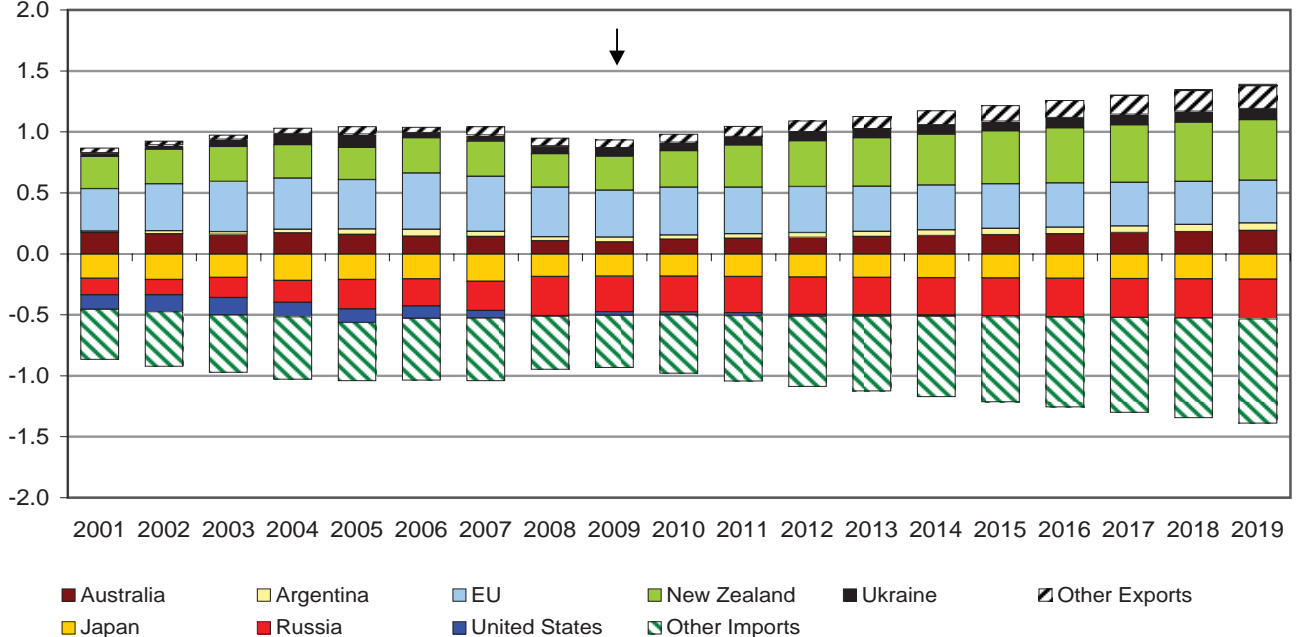
Butter Net Exports for Selected Countries

Million Metric Tons

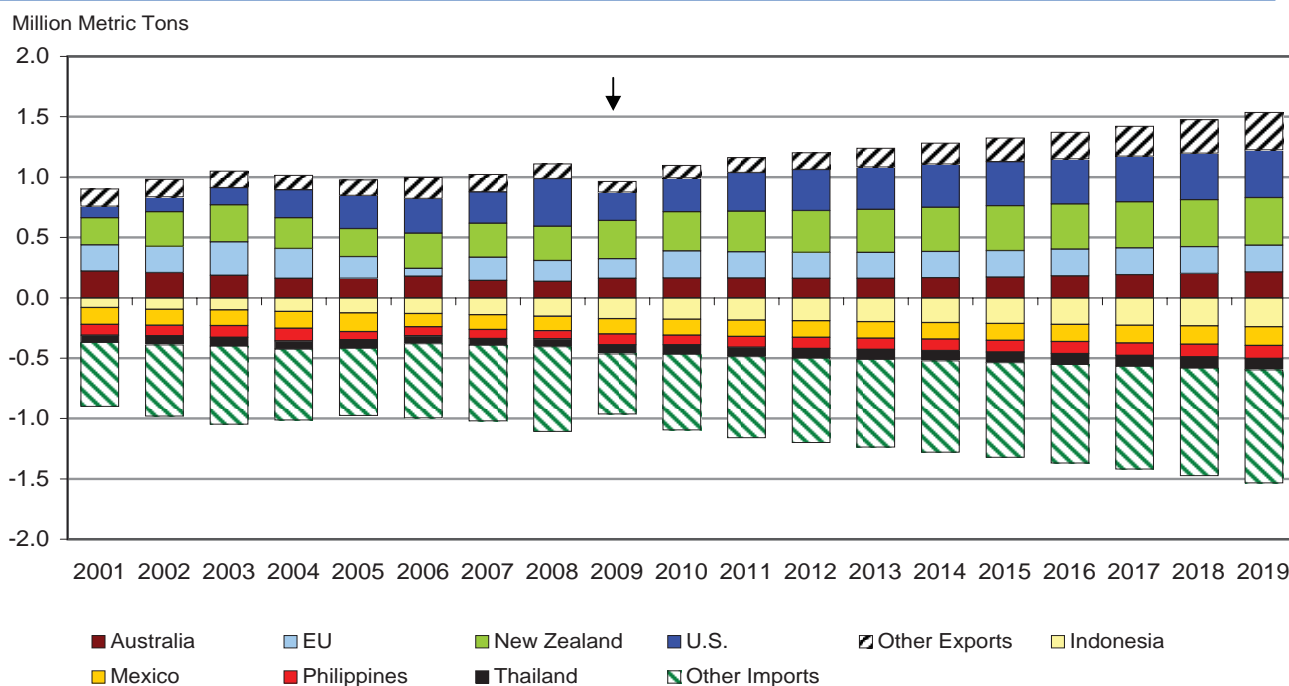


Cheese Net Exports for Selected Countries

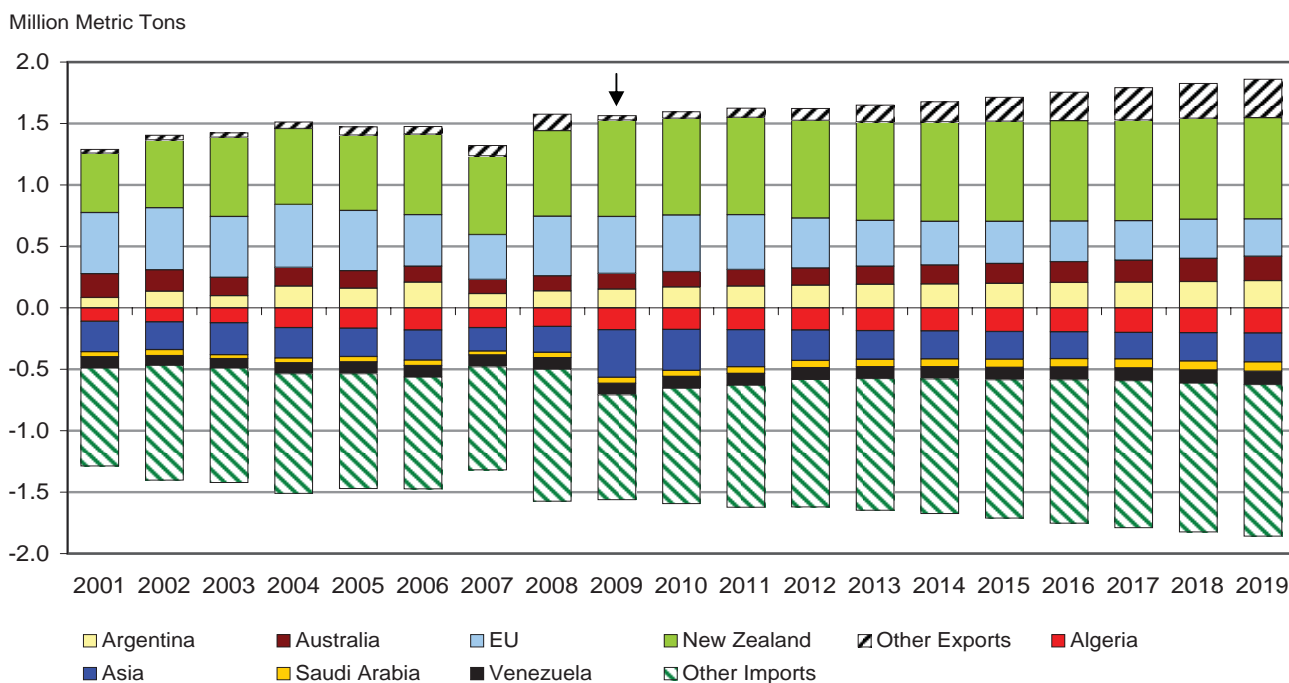
Million Metric Tons



NFD Trade for Selected Countries



WMP Trade for Selected Countries



Commodity Price Projections

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Wheat											
	(U.S. Dollars per Metric Ton)										
U.S. FOB Gulf	216	201	208	212	216	215	219	222	222	225	223
Canadian Wheat Board	200	189	195	198	201	200	203	205	206	208	206
AWB Limited Export Quote	199	186	191	194	198	198	201	203	204	206	204
European Union Market	157	191	194	189	193	188	186	195	192	190	201
Rice											
FOB U.S. Houston	532	425	422	424	424	426	427	423	432	437	451
World Reference Price*	538	405	401	404	403	405	406	402	411	415	429
Corn											
FOB U.S. Gulf	163	168	170	171	173	175	177	177	178	178	176
CIF Rotterdam	197	200	203	205	207	209	211	211	212	212	210
Barley											
Canada Feed	135	132	143	135	137	139	143	142	143	144	148
Sorghum											
FOB U.S. Gulf	169	172	172	174	176	178	181	182	184	186	183
Soybeans											
Illinois Processor	362	338	357	359	365	371	375	379	384	388	390
CIF Rotterdam	408	382	404	408	414	422	427	431	437	440	442
Soybean Meal											
FOB Decatur 48%	322	300	307	308	312	315	316	316	317	317	318
CIF Rotterdam	377	351	359	361	365	369	369	370	371	371	372
Soybean Oil											
FOB Decatur	812	798	856	870	879	896	921	945	966	984	995
FOB Rotterdam	915	900	963	979	989	1,008	1,035	1,061	1,085	1,105	1,117
Rapeseed											
CIF Hamburg	397	409	410	415	419	421	426	435	443	450	450
Cash Vancouver	386	398	399	404	407	410	414	423	430	437	436
Rapeseed Meal											
FOB Hamburg	191	187	184	189	193	194	197	199	200	200	201
Rapeseed Oil											
FOB Hamburg	952	985	1,016	1,032	1,036	1,045	1,066	1,104	1,136	1,165	1,172
Sunflower											
CIF Lower Rhine	401	422	420	429	428	430	439	443	448	451	451
Sunflower Meal											
CIF Rotterdam	181	188	184	190	188	188	188	187	185	184	183
Sunflower Oil											
FOB NW Europe	951	996	1,025	1,046	1,057	1,076	1,105	1,131	1,156	1,178	1,193
Palm Oil											
CIF Rotterdam	696	716	749	776	799	824	851	877	904	931	957
Palm Kernel Meal											
CIF Rotterdam	117	128	130	131	130	129	128	127	125	123	121
Palm Kernel Oil											
CIF Rotterdam	750	794	832	864	891	920	950	981	1,012	1,043	1,071

* Historically equal to the Thai 100% B. However, for the projection period, this price equilibrates net trade and no longer corresponds to Thai 100% B. Current Thai policies on domestic price, government storage, and government-to-government exports have limited its usefulness as a reference price.

Commodity Price Projections (continued)

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Peanut, U.S. Runners 40/50											
	(U.S. Dollars per Metric Ton)										
CIF Rotterdam	1,168	1,142	1,160	1,181	1,194	1,209	1,225	1,239	1,249	1,263	1,269
Peanut Meal											
48/50%, Southeast Mills FOB	138	129	129	130	131	130	130	129	128	127	125
Peanut Oil											
CIF Rotterdam	1,159	1,232	1,267	1,300	1,323	1,352	1,387	1,421	1,451	1,485	1,509
Sugar											
FOB Caribbean (raw)	420	430	434	434	431	440	448	449	451	450	457
New York Spot (raw)	647	552	543	553	553	556	565	565	566	567	566
Cotton											
Cotlook A Index	1,633	1,605	1,619	1,632	1,644	1,679	1,707	1,733	1,753	1,770	1,790
U.S. Farm	1,330	1,283	1,294	1,307	1,323	1,352	1,379	1,403	1,421	1,438	1,455

Commodity Price Projections (continued)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ethanol											
	(U.S. Dollars per Gallon)										
Anhydrous Ethanol Price, Brazil †	1.60	1.61	1.46	1.53	1.52	1.54	1.57	1.67	1.69	1.74	1.74
Ethanol, FOB Omaha	1.79	1.74	1.77	1.78	1.79	1.83	1.89	1.92	1.92	1.93	1.93
Biodiesel											
Central Europe FOB Price †	3.89	4.14	4.40	4.61	4.75	4.74	4.83	4.98	5.18	5.39	5.58
Biodiesel Plant	3.50	3.67	3.75	3.94	3.99	4.01	4.10	4.22	4.32	4.41	4.41
Beef											
	(U.S. Dollars per Metric Ton)										
Nebraska Direct Fed-Steer	1,823	1,936	2,107	2,229	2,258	2,261	2,246	2,232	2,223	2,222	2,219
U.S. Retail	9,391	9,820	10,431	10,999	11,329	11,438	11,427	11,390	11,375	11,370	11,365
Steer Price, Alberta	1,796	1,815	1,985	2,105	2,134	2,139	2,127	2,115	2,104	2,103	2,100
Australian Export (CIF U.S.)	2,451	2,454	2,539	2,582	2,594	2,597	2,592	2,588	2,586	2,587	2,588
Japanese Farm											
Dairy beef	9,182	11,096	11,026	11,427	11,797	11,957	12,170	12,380	12,535	12,702	12,851
Wagyu beef	20,040	19,322	17,974	17,627	17,405	17,210	17,246	17,342	17,391	17,487	17,548
Pork											
Barrows and Gilts National Base											
51-52% Lean Equivalent	909	1,056	1,185	1,233	1,178	1,135	1,108	1,093	1,113	1,152	1,189
U.S. Retail	6,437	6,732	7,131	7,415	7,401	7,362	7,321	7,305	7,469	7,712	7,990
Ontario Hogs Index	1,167	1,306	1,482	1,545	1,469	1,411	1,379	1,360	1,386	1,439	1,490
Japanese Wholesale	4,497	5,080	5,363	5,511	5,400	5,283	5,236	5,227	5,303	5,427	5,536
Chicken											
U.S. 12-City Wholesale	1,711	1,717	1,770	1,823	1,850	1,878	1,910	1,939	1,964	1,994	2,018
U.S. Retail	3,924	4,014	4,152	4,298	4,404	4,491	4,574	4,643	4,702	4,766	4,819
EU Producer	2,021	1,826	1,907	2,005	2,032	2,005	2,038	2,082	2,122	2,162	2,207
Japanese Wholesale	2,486	2,433	2,512	2,597	2,662	2,723	2,787	2,846	2,895	2,950	2,993
Turkey											
U.S. Wholesale	1,760	1,825	1,891	1,940	1,958	1,983	2,007	2,022	2,037	2,066	2,096
U.S. Retail	3,078	3,223	3,279	3,332	3,379	3,426	3,474	3,507	3,533	3,565	3,598
Milk											
U.S. All Milk	282	363	379	383	388	392	399	404	407	411	415
Canadian Fluid Milk	701	724	742	771	786	791	778	786	809	826	841
Australian Average Milk	277	322	323	329	334	338	342	347	351	356	362
Cheese											
FOB Northern Europe	3,535	3,682	3,715	3,787	3,843	3,880	3,923	3,980	4,026	4,085	4,147
U.S. Wholesale	2,857	3,714	3,814	3,838	3,871	3,908	3,963	4,005	4,027	4,054	4,085
Canadian Wholesale	8,781	9,171	9,384	9,711	9,877	9,899	9,717	9,780	10,037	10,214	10,373
Australian Export	2,958	3,423	3,480	3,546	3,598	3,641	3,699	3,770	3,839	3,912	3,997
Butter											
FOB Northern Europe	3,400	3,464	3,366	3,250	3,120	3,046	3,091	3,138	3,182	3,227	3,272
U.S. Wholesale	2,740	3,027	3,216	3,214	3,200	3,226	3,294	3,345	3,391	3,442	3,483
Australian Export	2,348	2,802	2,804	2,815	2,807	2,827	2,878	2,915	2,972	3,046	3,127
Nonfat Dry Milk											
FOB Northern Europe	2,476	2,819	2,866	2,975	3,064	3,145	3,209	3,268	3,310	3,359	3,427
U.S. Wholesale	2,190	2,709	2,826	2,934	3,009	3,069	3,115	3,165	3,199	3,248	3,303
Australian Export	2,278	2,682	2,775	2,898	2,982	3,051	3,102	3,158	3,198	3,254	3,319
Whole Milk Powder											
FOB Northern Europe	2,825	3,056	3,074	3,129	3,179	3,246	3,302	3,367	3,404	3,456	3,540
Australian Export	2,418	2,842	2,885	2,960	3,022	3,081	3,130	3,196	3,238	3,301	3,375

† Represents world price.

BASELINE ASSUMPTIONS

World Macroeconomic Assumptions

Macroeconomic projections used in the 2010 FAPRI baseline were obtained from IHS Global Insight. The slowdown in the world economy in 2009 proved to be deeper and more widespread than originally anticipated, with an annual rate of real GDP growth of -1.9%. However, recovery is projected to begin in 2010, with long-term real GDP growth of 3.3% reached by 2011. With the recovery primarily driven by a fiscal and monetary stimulus and inventory adjustment, its sustainability centers on how quickly and robustly confidence is restored and the employment picture is improved, leading to transition into private consumption and investment demand for medium- to longer-term growth. Also, the economic recovery is accompanied by stronger energy prices of \$94.2 per barrel in 2010, a cost pressure that might take some of the steam off the growth momentum.

The U.S., where housing and financial market stress originated, and its closely linked developed country economic partners, such as Japan, the EU, and Canada, show the greatest impacts of the economic crisis, with an economic slowdown in 2009 of -2.51%, -5.4%, -4.1%, and -2.5%, respectively. The contagion effect in Mexico is even worse at -6.9% because of its high trade dependence with the U.S., especially in manufacturing exports.

Entering the crisis period in good economic shape, Asian economies withstood the economic crisis, posting positive growth in 2009 (e.g., China at 8.5% and India at 6.4%), and thus they lead the world economic recovery with their aggressive fiscal and monetary policies in support of stimulus spending, quick resumption of capital inflows, and industrial growth momentum after inventory adjustments.

Improved macroeconomic frameworks, lower debt exposure, and larger reserves enabled Latin American and Caribbean countries to respond with appropriate policy initiatives to support economic activity and cushion the impact of the economic slowdown. Latin America's increasing economic link with Asia may speed up its turnaround. This region's price inflation is still among the highest, particularly in Argentina and Venezuela.

With both the housing and labor markets still weak in the EU-15, recovery in the rest of the EU will be sluggish, as capital inflows will be constrained. After depreciating in 2009, most currencies of EU members experience real appreciation against the U.S. dollar.

After a decade-long run of high and sustained growth in the CIS, Russia and Ukraine post deep slowdowns at -8.0% and -14.5%, respectively. The rest of the CIS, especially the low-income, non-oil-exporting countries, follow the path of these major regional players as their export earnings and remittances depend on their economies. Strengthening of commodity prices is a bright prospect for future growth. The ruble in Russia and the hryvnia in Ukraine depreciated significantly in 2009, but they strengthen in real terms against the U.S. dollar thereafter. Projected price inflation is much lower than in previous periods and remains moderate.

Recent sound policy reforms help economies in Africa respond to alleviate the impact of the economic crisis, and stronger commodity prices give a positive outlook for Africa's economy in the next decade, including GDP growth of 4.6%. Most currencies in the region are stable relative to the U.S. dollar, and price inflation is moderate.

Initiatives to diversify into the non-oil sector (e.g., real estate) by countries in the Middle East became the channel of the contagion effects of the economic slowdown. However, improving oil prices give promising growth prospects in this region.

Real GDP Growth Projections

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Percentage Change from Previous Year)										
World	-1.9	2.9	3.3	3.9	3.7	3.7	3.5	3.4	3.3	3.3	3.3
Developed Market Economies	-3.5	1.8	2.1	2.9	2.6	2.6	2.3	2.2	2.0	2.1	2.1
Australia	0.9	3.0	2.7	2.9	3.4	3.2	3.3	3.2	2.8	2.8	2.7
Canada	-2.5	2.5	3.5	3.6	3.3	2.9	2.6	2.4	2.3	2.3	2.3
European Union	-4.1	1.1	1.6	2.0	2.2	2.4	2.1	2.0	2.0	2.0	2.0
Japan	-5.4	0.8	1.5	2.3	2.3	2.2	2.1	1.5	0.9	0.7	0.6
New Zealand	-0.7	2.4	2.2	3.1	3.0	2.8	2.7	2.6	2.4	2.7	2.6
United States	-2.5	2.6	2.7	3.8	2.9	2.8	2.6	2.5	2.5	2.6	2.7
Developing Market Economies	1.6	5.4	5.7	5.9	5.7	5.7	5.6	5.5	5.3	5.2	5.1
Africa	2.2	4.0	4.5	4.8	4.8	4.7	4.6	4.5	4.4	4.5	4.5
Algeria	2.0	3.1	3.5	3.6	3.6	3.6	3.2	2.9	2.5	2.4	2.3
Egypt	4.7	5.0	5.0	4.5	4.2	4.0	4.0	4.0	4.0	4.0	3.9
Nigeria	4.5	5.0	5.4	5.7	5.6	5.6	5.4	5.9	5.7	5.4	5.6
South Africa	-1.8	2.4	3.3	4.5	4.4	4.3	4.6	4.5	4.7	5.2	5.4
Tunisia	3.1	4.2	4.6	5.2	5.9	5.5	5.0	4.7	4.6	4.5	4.4
Asia	0.4	4.6	4.6	5.1	5.1	5.1	5.0	4.8	4.5	4.4	4.3
China	8.5	9.9	8.5	8.5	8.6	8.8	8.5	8.2	7.8	7.6	7.4
Hong Kong	-2.5	4.2	5.5	5.1	4.6	4.4	4.1	3.9	3.8	3.8	3.8
India	6.4	7.5	7.7	7.8	7.5	7.4	7.4	7.3	7.0	6.5	6.1
Indonesia	4.4	5.5	5.2	5.6	5.2	4.9	4.9	4.9	4.7	4.2	4.0
Malaysia	-2.0	5.2	4.8	5.3	5.7	5.5	5.4	5.2	5.1	5.0	4.8
Pakistan	3.7	4.1	3.5	3.9	4.6	4.5	4.6	4.5	4.5	4.2	4.1
Philippines	1.6	3.5	4.5	4.8	4.7	4.7	4.7	4.7	4.6	4.5	4.7
South Korea	0.1	4.1	3.2	4.3	3.9	3.7	3.6	3.6	3.5	3.4	3.3
Taiwan	-2.7	4.4	5.7	5.2	4.7	4.4	4.2	3.9	3.7	3.6	3.5
Thailand	-3.0	5.4	4.1	4.6	4.4	4.7	4.9	4.8	4.7	4.5	4.3
Vietnam	5.3	6.5	6.1	7.1	6.8	6.4	7.3	7.2	7.1	6.8	6.6
Commonwealth of Independent States	-6.5	2.6	4.2	4.8	3.6	3.7	3.6	3.5	3.3	3.2	3.2
Russia	-8.0	1.9	3.9	4.6	3.1	3.2	3.3	3.2	3.1	3.0	3.1
Ukraine	-14.6	2.1	6.3	7.5	6.2	5.4	4.6	4.5	4.5	4.4	4.4
European Union-New Member States	-3.3	1.2	3.0	4.6	4.4	4.4	4.2	4.0	3.8	3.8	3.6
Bulgaria	-4.2	1.1	2.8	4.5	4.4	4.6	5.0	4.9	4.7	4.6	4.5
Czech Republic	-5.0	1.4	3.8	4.0	3.9	3.8	3.8	3.8	3.7	3.6	3.6
Hungary	-6.5	0.1	2.0	3.3	4.4	4.4	4.5	3.2	2.7	2.5	2.6
Poland	1.7	2.0	3.1	5.2	4.4	4.3	4.1	4.0	3.9	3.9	3.6
Romania	-7.0	1.0	3.8	4.3	3.8	3.7	3.7	3.7	3.7	3.7	3.7
Latin America	-2.2	3.3	4.3	4.4	4.2	4.2	4.1	4.1	4.1	4.0	4.0
Argentina	-0.3	1.5	4.1	4.2	4.1	3.9	3.8	3.8	3.7	3.7	3.6
Brazil	-0.4	4.9	5.6	5.3	4.7	4.5	4.2	4.2	4.2	4.1	4.1
Colombia	-0.1	2.1	3.2	3.8	3.8	3.7	3.8	3.8	3.7	3.6	3.5
Mexico	-6.9	3.5	3.2	3.5	3.8	3.9	4.1	4.1	4.2	4.2	4.2
Paraguay	-3.5	2.4	2.9	3.5	3.2	3.1	3.1	3.1	3.0	2.9	2.9
Uruguay	1.8	4.1	4.7	3.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Venezuela	-1.8	-0.8	3.5	3.2	3.6	3.2	3.2	3.0	3.3	3.5	3.7
Middle East	-1.3	3.5	5.3	4.9	4.3	4.4	4.4	4.2	4.0	3.9	3.7
Iran	-4.2	3.2	5.4	4.4	3.4	4.0	4.3	4.1	3.7	3.6	3.4
Israel	0.4	2.2	4.8	5.2	5.1	4.9	4.8	4.7	4.7	4.6	4.5
Saudi Arabia	0.5	2.6	4.7	5.3	5.0	4.6	4.5	4.3	4.0	3.9	3.6
Price	(Dollars per Barrel)										
Refiner Acquisition Cost of Crude Oil	59.4	63.3	71.8	77.4	81.1	84.2	87.9	91.5	93.5	94.9	94.2

Source: International Financial Statistics December 2009, and projections after 2009 are from IHS Global Insight.

GDP Deflator Growth Projections

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Developed Market Economies	(Percentage Change from Previous Year)										
Australia	-0.4	3.1	2.9	3.0	2.7	2.6	2.7	2.7	2.6	2.4	2.3
Canada	-2.0	2.4	2.2	2.4	2.2	2.0	1.8	1.7	1.8	1.7	1.7
European Union	-0.3	1.8	2.6	2.7	2.7	1.7	1.7	1.9	1.9	1.8	1.9
Japan	-0.4	0.5	0.6	0.6	0.6	0.6	1.2	1.5	1.6	1.5	1.5
New Zealand	2.2	2.4	2.3	2.8	2.6	2.5	2.5	2.5	2.5	2.5	2.4
United States	1.2	1.0	1.6	1.5	1.8	1.8	1.9	1.8	1.9	1.9	1.8
Developing Market Economies											
Africa											
Algeria	-0.2	3.1	4.3	4.5	5.3	4.5	4.2	2.5	2.3	2.2	2.1
Egypt	10.8	12.4	8.1	2.9	3.1	3.1	2.9	2.9	2.8	2.8	2.8
Nigeria	-1.3	10.4	7.7	5.4	5.1	6.8	7.8	6.6	5.7	6.4	5.8
South Africa	9.6	7.3	4.7	5.0	6.2	5.6	6.2	6.0	5.6	5.7	5.7
Tunisia	2.1	2.7	4.0	3.9	2.9	2.8	2.4	1.9	1.8	1.6	1.4
Asia											
China	-1.3	0.3	2.5	2.9	3.1	3.5	3.7	3.8	3.7	3.6	3.5
Hong Kong	0.9	1.7	2.3	2.5	2.6	2.3	2.2	2.2	2.3	2.2	2.1
India	4.0	4.4	4.6	5.0	4.8	4.6	4.6	4.7	4.7	4.7	4.7
Indonesia	6.6	5.1	5.7	5.7	5.1	4.9	4.8	4.9	4.8	4.7	4.6
Malaysia	-6.5	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.4	3.4	3.4
Pakistan	22.7	13.0	7.3	5.9	6.1	7.3	7.1	7.1	7.0	6.8	6.7
Philippines	7.0	1.4	3.3	5.1	5.1	5.3	5.4	5.5	5.5	5.5	5.3
South Korea	3.7	4.0	3.4	3.0	4.1	2.8	2.2	2.0	2.0	2.1	2.2
Taiwan	1.7	1.5	2.2	2.5	2.6	2.6	2.6	2.7	2.7	2.6	2.6
Thailand	1.8	3.5	4.2	4.4	3.5	3.2	3.3	3.4	3.4	3.4	3.3
Vietnam	6.2	8.5	7.0	6.5	6.6	6.3	6.1	6.0	5.9	5.7	5.6
Commonwealth of Independent States											
Russia	1.8	6.9	7.4	3.8	5.3	4.8	4.3	4.0	3.6	3.2	3.0
Ukraine	11.6	11.1	7.8	8.5	8.3	7.5	6.8	6.7	6.0	5.4	4.9
European Union-New Member States											
Bulgaria	-8.9	2.0	3.2	2.5	2.7	3.1	2.7	2.5	2.4	2.4	2.3
Bulgaria	3.3	1.7	3.3	2.8	2.5	2.0	2.0	2.0	2.0	1.9	1.9
Czech Republic	2.5	1.3	2.6	2.8	2.6	2.6	2.7	2.9	2.9	2.9	2.7
Hungary	4.5	2.1	4.2	2.6	2.8	2.7	2.8	2.9	2.7	2.5	2.4
Poland	3.7	1.4	2.8	2.6	2.6	2.5	2.5	2.2	2.2	2.2	2.1
Romania	7.1	4.0	3.6	3.4	2.3	3.0	2.9	2.8	2.7	2.6	2.7
Latin America											
Argentina	10.0	11.2	8.2	8.0	7.4	7.0	6.6	6.5	6.5	6.2	5.9
Brazil	4.5	4.1	3.7	3.7	3.7	3.6	3.6	3.6	3.4	3.4	3.3
Colombia	3.2	0.9	3.8	4.4	4.6	4.7	4.7	4.6	4.5	4.5	4.4
Mexico	2.7	2.9	2.2	3.5	3.4	3.3	3.3	3.4	3.4	3.4	3.4
Paraguay	4.7	5.1	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.5	4.4
Uruguay	6.2	5.9	5.6	5.2	4.9	4.4	4.1	3.8	3.8	3.8	3.8
Venezuela	21.6	23.0	14.5	15.5	13.7	12.4	10.1	7.1	5.8	6.4	6.4
Middle East											
Iran	-10.2	16.7	17.6	15.4	13.7	13.9	13.9	13.8	13.6	13.2	12.9
Israel	5.5	-5.0	2.2	4.0	2.9	2.8	3.0	3.2	3.3	3.3	3.2
Saudi Arabia	-16.8	5.0	7.7	5.7	3.0	3.4	3.5	3.3	2.5	2.2	2.1

Source: International Financial Statistics December 2009, and projections after 2009 are from IHS Global Insight.

Exchange Rate* Growth Projections

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Developed Market Economies	(Percentage Change from Previous Year)										
Australia	10.6	-13.6	5.9	-1.8	0.3	0.4	0.3	0.4	0.4	0.5	0.5
Canada	8.7	-3.2	-0.8	-2.0	-0.2	1.3	3.4	0.9	-1.1	-0.2	0.0
European Union †	6.7	-0.2	-3.8	-4.4	-0.6	2.9	-0.5	-1.3	-1.3	-1.3	-1.3
Japan	-8.7	-4.9	2.1	-1.8	-2.0	0.6	0.3	-0.1	0.0	0.0	0.0
New Zealand	15.5	-13.5	8.1	2.1	0.1	0.5	0.5	0.4	0.4	0.4	0.5
Developing Market Economies											
Africa											
Algeria	12.6	1.4	-0.2	-2.7	-1.5	-0.8	-0.5	0.3	0.0	0.0	0.0
Egypt	2.9	-1.7	-0.7	-0.4	-0.2	-0.1	-0.1	1.4	1.1	1.2	1.1
Nigeria	24.1	6.5	-1.2	-3.0	-2.8	4.1	7.6	4.1	2.8	6.1	5.6
South Africa	4.9	-13.1	4.3	4.4	4.1	3.9	3.3	3.2	3.2	3.2	3.2
Tunisia	10.5	-1.3	-1.5	-2.8	-0.7	-0.6	-1.3	-1.3	-1.3	-1.3	-1.3
Asia											
China	-1.7	-1.2	-3.7	-4.4	-4.3	-3.6	-2.3	-1.5	-1.3	-1.1	-1.1
Hong Kong	-0.4	0.1	-0.1	0.1	0.1	-0.1	-0.1	0.1	0.0	-0.1	0.0
India	12.1	-6.0	-2.4	-0.9	0.9	0.5	0.4	0.4	0.5	0.4	0.4
Indonesia	9.1	-9.7	0.6	1.4	2.1	1.6	1.4	1.4	1.4	1.3	1.3
Malaysia	6.4	-3.4	-0.9	-0.7	-0.5	-0.3	-0.2	-0.2	-0.1	-0.1	-0.1
Pakistan	15.4	8.2	6.0	5.4	4.9	4.1	4.2	4.2	4.1	4.0	3.9
Philippines	7.9	-2.4	0.7	0.5	1.5	1.4	1.4	1.4	1.5	1.6	1.7
South Korea	17.9	-13.0	-9.0	-3.3	0.1	0.2	0.2	0.2	0.2	0.1	0.1
Taiwan	0.0	-4.3	-3.2	-4.6	-2.4	-2.5	-2.0	-2.3	-1.2	-1.2	-1.4
Thailand	3.6	-3.0	0.7	-0.5	1.2	1.0	0.9	0.9	1.0	1.0	1.0
Vietnam	4.0	5.8	6.9	3.8	3.3	2.8	2.7	2.7	2.6	2.5	2.4
Commonwealth of Independent States											
Russia	29.5	-3.5	2.1	2.4	2.3	2.0	1.3	1.0	0.9	0.8	0.6
Ukraine	47.2	0.5	-3.7	-1.8	-1.8	-1.9	-1.9	-0.9	-1.0	-0.1	-0.1
European Union-New Member States											
Bulgaria	6.4	-0.1	-3.8	-4.4	-0.6	2.9	-0.5	-1.3	-1.3	-1.3	-1.3
Czech Republic	13.4	-0.2	-3.8	-4.4	-0.6	2.9	-0.5	-1.3	-1.3	-1.3	-1.3
Hungary	19.7	-0.2	-3.8	-4.4	-0.6	2.9	-0.5	-1.3	-1.3	-1.3	-1.3
Poland	33.6	-0.2	-3.8	-4.4	-0.6	2.9	-0.5	-1.3	-1.3	-1.3	-1.3
Romania	22.4	-3.6	-5.1	-3.2	-2.1	-1.1	-1.3	-1.3	-1.3	-1.3	-1.3
Latin America											
Argentina	17.5	9.2	7.4	5.1	4.2	4.5	4.4	4.0	4.6	5.3	4.8
Brazil	11.9	-11.3	5.3	5.4	4.5	3.8	3.7	3.3	3.2	3.1	2.8
Colombia	11.9	-8.8	3.2	3.3	3.2	2.9	2.4	2.0	2.0	3.5	3.7
Mexico	22.4	-5.8	0.7	1.5	1.9	2.2	2.0	0.7	0.7	0.7	0.7
Paraguay	14.8	-10.1	-4.5	9.0	7.0	5.2	4.9	4.9	4.9	4.9	5.0
Uruguay	10.1	-3.6	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1
Venezuela	0.0	25.3	29.5	16.5	12.3	10.3	9.4	10.5	10.0	9.6	9.3
Middle East											
Iran	4.5	1.7	4.8	7.1	10.4	11.4	11.6	11.6	11.4	11.1	10.9
Israel	10.4	-2.4	-0.6	-1.7	-0.3	1.5	2.0	2.2	2.1	2.0	2.0
Saudi Arabia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source: International Financial Statistics December 2009, and projections after 2009 are from IHS Global Insight.

* In local currency per U.S. dollar.

† Not all European Union members have adopted the euro.

Population Growth Projections

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Percentage Change from Previous Year)										
World	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9
Developed Market Economies											
Australia	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0
Canada	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7
European Union	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Japan	-0.2	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.6
New Zealand	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7
United States	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
Developing Market Economies											
Africa	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1
Algeria	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0
Egypt	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.7	1.6
Nigeria	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
South Africa	0.1	-0.2	-0.4	-0.4	-0.5	-0.2	0.1	0.1	0.1	0.1	0.1
Tunisia	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8
Asia	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8
China	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3
Hong Kong	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2
India	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1
Indonesia	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9
Malaysia	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5
Pakistan	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
Philippines	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.6
South Korea	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Taiwan	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Thailand	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
Vietnam	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8
Commonwealth of Independent States	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2
Russia	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6
Ukraine	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7
European Union-New Member States	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2
Bulgaria	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9
Czech Republic	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3
Hungary	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
Poland	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2
Romania	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3
Latin America	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0
Argentina	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8
Brazil	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9
Colombia	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9
Mexico	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9
Paraguay	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Uruguay	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Venezuela	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3
Middle East	1.7	1.6	1.4	1.3	1.4	1.5	1.4	1.4	1.4	1.3	1.3
Iran	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
Israel	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3
Saudi Arabia	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.2

Source: U.S. Bureau of the Census International Data Base, December 31, 2009.

U.S. Program Provisions

The baseline assumes provisions of the current farm bill, the Food, Conservation, and Energy Act (FCEA) of 2008. Farm bill provisions set to expire under current law are assumed to continue throughout the baseline.

For several commodities, target prices and loan rates adjust in 2010. The percentage of base acreage eligible for direct payments adjusted in 2009 and is scheduled to adjust again in 2012.

The baseline incorporates the Energy Independence and Security Act (EISA) of 2007. The EISA mandates minimum levels of biofuel use under the Renewable Fuel Standard (RFS2). The RFS2 regulations were finalized after the baseline was completed, but the baseline assumptions are generally consistent with the RFS2 rule.

No more than 15 billion gallons of cornstarch-based ethanol can count toward the overall RFS2 mandate in 2015 and subsequent years. The baseline assumes that authority to waive the statutory cellulosic ethanol mandate is utilized, but all other mandates are enforced.

The baseline assumes that biofuel tax credits and tariffs are extended when they would otherwise expire. This includes the biodiesel credit, which expired at the end of 2009 and had not yet been renewed at the time the baseline was prepared in January 2010.

The statutory maximum enrollment in the CRP falls to 32 million acres in 2010, less than actual enrollment in recent years.

Many CRP contracts are set to expire over the next several years. The baseline assumes that some of the expiring contracts are not renewed, so total CRP area falls to 30 million acres in 2012.

World Agricultural Policy Assumptions

Major energy policies included in the baseline are the U.S. Energy Independence and Security Act (EISA) of 2007, the Renewable Energy Directive of the EU, fuel mandates and regulations for Argentina and Brazil, Indonesia's newly implemented biodiesel consumption mandate, and producer incentives in Canada. In addition, new provisions in the Food, Conservation, and Energy Act of 2008—the 2008 farm bill—are included in this baseline. Provisions set to expire under both this farm bill and the EISA are assumed to continue throughout the baseline. Another policy change affecting trade in biofuels is the imposition by the EU of anti-dumping and countervailing duties on biodiesel (blends B20 and above) of U.S. origin.

CAP reforms continue in the EU. The sugar reforms of the EU Common Market Organization, which were adopted in 2006, were successful in reducing sugar quota production through voluntary quota reductions and lower intervention prices. To date, in-quota sugar production has decreased by 5.8 million tons (white value), just under the 6 million ton target. Although sugar imports from least developed countries enter duty-free under Everything-but-Arms (EBA), the EU still maintains prohibitive duties on sugar imports from non-preferential countries. Most of the sugar beet produced over the quota is expected to be used in ethanol production. The EU's Renewable Energy Directive has a goal of 20 percent share for renewable energy in total energy consumption, which includes a 10 percent minimum target for renewable energy consumed in transport. Part of this minimum target is to be met from biofuel use. Milk quotas in the EU increase by 1% every year between 2009/10 and 2013/14 and then are set to expire by April 2015. In rice, the EU intervention price mechanism is abolished for 2009/10.

The international reference price for rice has been Thai 100% B; however, the current Thai domestic price insurance scheme and government storage policy has limited Thailand's role as a residual supplier on the world market. Thai exports have increasingly been government-to-government without price transparency in the face of increased competition and downward price pressure from Vietnam rice exports. Consequently, the projected net trade clearing price generated in the international rice model is used as the world reference price in this baseline and is more likely to reflect the Vietnam 5% price.

A number of countries introduced major policy changes. China eliminated export taxes on wheat, corn, and barley. Argentina reduced its export taxes on wheat and corn. Russia reduced its 2010 quota for poultry imports by 18%, to 781 tmt, and cut the allocation for pork by 11%.

The outlook assumes recovery from the SPS shocks and trade restrictions in meat markets associated with BSE in North America, FMD in Latin America, especially Argentina, AI in Europe and Asia, and blue ear disease in China.

Under the Uruguay Round Agreement on Agriculture, the commitment schedule of developed countries for export subsidy limits, TRQ expansion, import duty reduction, and domestic support reduction are fixed at 2000 levels. Developing countries had their last reform installment implemented in 2004. All of these commitments are held fixed through 2019/20. The 2010 outlook does not include any conjecture on policy changes arising from the Doha Round.

Agricultural Policy Assumptions for Crops (continued)

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Export Tax											
Argentina						(Percent)					
Wheat	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
Corn	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Sorghum	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Barley	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Soybean	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
Soybean Meal	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
Soybean Oil	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
Sunflower	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
Sunflower Meal	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Sunflower Oil	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Peanuts	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
Peanut Meal	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Peanut Oil	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Sugar	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
China											
Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Corn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barley	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIS											
Russia											
Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barley	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rapeseed	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Sunflower	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Ukraine											
Sunflower	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Indonesia											
Palm Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Domestic Value Added Tax											
Brazil											
Soybean	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Soybean Meal	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
Soybean Oil	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
China											
Value Added Tax											
Oilseeds and Products	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0

Agricultural Policy Assumptions for Biofuels

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Canada						(Percent)					
Ethanol, Energy Bill mandate	4.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Tariff						(Canadian Dollar per Liter)					
Imports from Brazil	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Imports from U.S.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Incentive to Producers	0.10	0.10	0.08	0.07	0.06	0.05	0.04	0.04	0.04	0.04	0.04
Brazil						(Percent)					
Mandated Ethanol Mix in Gasoline	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EU						(Euro per Liter)					
Import Duty											
Duty for Denatured	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Duty for Undenatured	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
						(percent)					
Biofuel Directive Target	5.00	5.75	6.18	6.60	7.03	7.45	7.88	8.30	8.73	9.15	9.58

Agricultural Policy Assumptions for Livestock and Dairy Products (continued)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Maximum Subsidized Export Commitment											
Brazil											
	(Thousand Metric Ton)										
Beef	92	92	92	92	92	92	92	92	92	92	92
Poultry	84	84	84	84	84	84	84	84	84	84	84
European Union											
Beef	797	797	797	797	797	797	797	797	797	797	797
Pork	274	274	274	274	274	274	274	274	274	274	274
Poultry	211	211	211	211	211	211	211	211	211	211	211
Butter	433	433	433	433	433	433	433	433	433	433	433
Cheese	346	346	346	346	346	346	346	346	346	346	346
Nonfat Dry Milk	273	273	273	273	273	273	273	273	273	273	273
Other Milk Products	958	958	958	958	958	958	958	958	958	958	958
South Africa											
Beef	13	13	13	13	13	13	13	13	13	13	13
Poultry	1	1	1	1	1	1	1	1	1	1	1

Other Agricultural Policy Assumptions

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Summary Table of EU CAP Reform and Enlargement											
Decoupling											
	(percent)										
Crops	93	100	100	100	100	100	100	100	100	100	100
Livestock											
Cattle	78	78	78	100	100	100	100	100	100	100	100
Sheep	73	73	73	100	100	100	100	100	100	100	100
Dairy	100	100	100	100	100	100	100	100	100	100	100
Modulation	7	8	9	10	10	10	10	10	10	10	10
Dairy Quota											
	(Million Metric Tons)										
Milk Delivery Quota *	148	149	151	152	154	154					
Intervention Price and Premium											
	(Euro per 100 Kilogram)										
Butter †	246	246	246	246	246	246	246	246	246	246	246
NFD †	175	175	175	175	175	175	175	175	175	175	175

* Milk delivery quota is abolished in 2015.

† Calendar-average prices of marketing-year prices.

U.S. CROPS

U.S. Wheat

In 2008/09 and 2009/10, U.S. wheat production far exceeded domestic use and exports. This has resulted in a sharp rebuilding of stocks, to the highest level since the 1980s. As long as wheat stocks remain high, it will be difficult for wheat prices to increase relative to corn prices.

Poor wheat crops in Europe, Australia, and in other exporting countries and regions contributed to a large increase in U.S. wheat exports in 2007/08. The much larger crops of major competitors limited U.S. wheat exports in 2008/09 and again in 2009/10. Projected exports remain far below recent peaks.

After jumping in 2008/09, wheat feed use has declined in 2009/10. Wheat prices are projected to remain low enough relative to corn prices to encourage continued moderate levels of domestic feed use.

Lower wheat prices in 2009/10 result in a large reduction in wheat market receipts per acre. Variable production expenses also decline in 2009/10, but by less than the reduction in receipts.

Lower producer returns for wheat relative to competing crops and unfavorable weather in the fall of 2009 caused a large reduction in winter wheat acreage for harvest in 2010. Total U.S. wheat area planted is projected to decline by more than 5 million acres in 2010. An assumed return to normal weather results in a slight increase in wheat acreage in 2011, but wheat area soon resumes its long-term decline.

Wheat yields exceeded 44 bushels per acre in both 2008 and 2009. Projected yields dip slightly in 2010 in response to reduced acreage in high-yielding states, lower wheat prices, and an assumed return to average growing conditions.

Projected reductions in acreage and production allow a modest drawdown in wheat stocks in 2010/11, but stocks exceed 700 million bushels throughout the baseline.

U.S. Rice

After two straight years of relatively high prices, U.S. rice acreage and production increased sharply in 2009/10.

In spite of modest increases in 2009/10 domestic use and exports, projected rice carryover stocks increase. These large stocks boost 2010/11 rice supplies, even if rice acreage and production decline as projected.

After reaching record levels in 2008/09, U.S. and world rice prices have declined in response to increasing rice supplies.

Projected rice prices fall even more sharply in 2010/11. The prices that prevailed from 2007 to 2009 are unlikely to persist given the projected global supply-demand balance.

Farm rice prices average slightly less than \$10 per hundredweight after 2010/11. Short- and medium-grain rice continues to sell at a large premium compared to long-grain rice.

Lower projected rice prices sharply reduce net returns to rice producers in 2009/10 and 2010/11. After a dip in 2009/10, rice variable production expenses rise steadily, eroding producer net returns.

Lower producer returns for rice relative to other crops results in lower rice acreage in 2010. Short- and medium-grain rice account for most of the decline.

Domestic per capita rice consumption increases slightly over the baseline, but population growth accounts for most of the increase in rice domestic use.

U.S. Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Area	(Million Acres)										
Planted Area	3.14	2.96	2.80	2.79	2.80	2.80	2.79	2.78	2.78	2.79	2.82
Harvested Area	3.10	2.94	2.78	2.77	2.78	2.78	2.77	2.76	2.76	2.77	2.79
Yield	(Pounds per Acre)										
	7,085	7,178	7,242	7,309	7,377	7,444	7,511	7,577	7,632	7,687	7,742
Supply	(Million Hundredweight)										
Beginning Stocks	271.3	274.0	265.8	263.4	264.3	266.2	268.4	270.6	273.2	276.6	281.2
Production	30.4	42.2	42.7	39.2	37.3	37.2	37.6	38.2	39.0	39.7	40.3
Imports	219.9	210.9	201.7	202.4	204.9	206.6	207.9	209.1	210.5	212.8	216.4
	21.0	20.9	21.4	21.8	22.1	22.5	22.9	23.3	23.7	24.1	24.4
Domestic Use	130.2	133.3	134.9	136.5	138.2	139.9	141.6	143.4	145.1	146.8	148.4
Exports	98.9	97.9	91.6	89.7	89.0	88.7	88.5	88.1	88.4	89.4	91.7
Total Use	229.1	231.2	226.5	226.2	227.1	228.6	230.1	231.5	233.5	236.2	240.2
Ending Stocks	42.2	42.7	39.2	37.3	37.2	37.6	38.2	39.0	39.7	40.3	41.0
CCC Inventory	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Stocks	42.2	42.7	39.2	37.3	37.2	37.6	38.2	39.0	39.7	40.3	41.0
Prices, Program Provisions	(U.S. Dollars per Hundredweight)										
Farm Price	13.79	9.91	9.81	9.90	9.89	9.88	9.87	9.77	9.83	9.88	10.03
Adjusted World Price	11.41	8.02	7.80	7.87	7.86	7.85	7.83	7.70	7.81	7.90	8.18
Loan Rate	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
Target Price	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Direct Payment Rate	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
Base Area	(Million Acres)										
	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35
Direct Payment Yield	(Pounds per Acre)										
	4,818	4,818	4,818	4,818	4,818	4,818	4,818	4,818	4,818	4,818	4,818
CCP Yield	(Pounds per Acre)										
	5,131	5,131	5,131	5,131	5,131	5,131	5,131	5,131	5,131	5,131	5,131
ACRE Participation Rate	(Percent)										
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Returns and Payments	(U.S. Dollars per Acre)										
Gross Market Revenue	977.37	711.46	710.58	723.57	729.27	735.29	741.58	740.44	749.87	759.10	776.23
Variable Expenses	430.23	444.12	468.79	485.12	498.16	511.52	528.83	542.08	551.84	561.63	569.27
Market Net Returns	547.14	267.35	241.79	238.45	231.10	223.77	212.75	198.36	198.03	197.47	206.96
Marketing Loan Benefits	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ACRE Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CCP Payment/Base	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Direct Payment/Base	94.32	94.32	94.32	96.25	96.25	96.25	96.25	96.25	96.25	96.25	96.25

Note: Figures in this table are in rough (paddy) basis.

U.S. Long-Grain Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Area	(Million Acres)										
Planted Area	2.29	2.25	2.14	2.13	2.14	2.13	2.12	2.10	2.10	2.11	2.13
Arkansas	1.26	1.29	1.24	1.24	1.24	1.24	1.23	1.23	1.22	1.23	1.24
California	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Louisiana	0.42	0.40	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.39	0.39
Mississippi	0.25	0.22	0.21	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Missouri	0.20	0.19	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16
Texas	0.17	0.15	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.13
Harvested Area	2.27	2.24	2.13	2.12	2.12	2.11	2.10	2.09	2.08	2.09	2.11
Yield	(Pounds per Acre)										
	6,743	6,900	6,961	7,027	7,093	7,159	7,224	7,290	7,346	7,401	7,457
Supply	(Million Hundredweight)										
Beginning Stocks	190.80	194.41	189.66	189.60	191.26	192.61	193.80	194.90	196.53	198.90	202.20
Production	20.05	22.05	23.37	22.27	22.16	22.52	22.87	23.24	23.67	23.90	24.26
Imports	152.73	154.36	147.99	148.78	150.33	151.09	151.67	152.16	153.10	154.97	157.68
Domestic Use	18.03	18.00	18.30	18.55	18.77	19.01	19.25	19.51	19.76	20.02	20.26
Exports	99.38	100.44	101.34	102.62	103.98	105.12	106.36	107.59	108.49	109.71	110.68
Residual	69.37	70.60	66.06	64.82	64.77	64.62	64.19	63.64	64.14	64.92	66.96
Ending Stocks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prices	(U.S. Dollars per Hundredweight)										
Farm Price	22.05	23.37	22.27	22.16	22.52	22.87	23.24	23.67	23.90	24.26	24.56
Milled Rice, Gulf	12.76	9.18	9.15	9.18	9.11	9.11	9.09	9.00	9.15	9.22	9.46
Milled Rice, Thai 100% B	24.90	18.74	18.94	19.16	19.16	19.29	19.38	19.32	19.66	19.78	20.18
	24.42	18.37	18.19	18.30	18.28	18.37	18.40	18.25	18.63	18.83	19.45

U.S. Medium- and Short-Grain Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Area	(Million Acres)										
Planted Area	0.85	0.70	0.66	0.66	0.66	0.67	0.67	0.68	0.68	0.68	0.69
Arkansas	0.23	0.14	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13
California	0.56	0.52	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.52
Louisiana	0.06	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Mississippi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Missouri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Texas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Harvested Area	0.84	0.70	0.66	0.65	0.66	0.66	0.67	0.67	0.67	0.67	0.68
Yield	(Pounds per Acre)										
	8,010	8,069	8,152	8,227	8,292	8,350	8,410	8,469	8,517	8,573	8,625
Supply	(Million Hundredweight)										
Beginning Stocks	78.09	77.17	73.75	71.44	70.68	71.25	72.20	73.28	74.27	75.28	76.58
Production	8.02	17.73	16.99	14.60	12.73	12.27	12.38	12.62	12.99	13.40	13.71
Imports	67.13	56.49	53.67	53.62	54.60	55.49	56.20	56.91	57.38	57.84	58.70
Exports	2.95	2.95	3.09	3.22	3.35	3.48	3.62	3.75	3.90	4.03	4.18
Domestic Use	30.84	32.85	33.60	33.87	34.22	34.77	35.23	35.83	36.60	37.08	37.73
Exports	29.52	27.33	25.55	24.84	24.19	24.10	24.35	24.46	24.28	24.49	24.78
Residual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ending Stocks	17.73	16.99	14.60	12.73	12.27	12.38	12.62	12.99	13.40	13.71	14.07
Prices	(U.S. Dollars per Hundredweight)										
Farm Price	16.94	12.81	12.54	12.79	12.91	12.86	12.89	12.72	12.51	12.52	12.44
Milled Rice, California	35.38	27.03	26.47	26.98	27.22	27.11	27.17	26.85	26.40	26.43	26.28

U.S. Corn

The pace of growth in ethanol use of corn slows. The RFS2 encourages increased ethanol use of corn until 2015. Any additional growth will occur only if corn-based ethanol is competitive as a fuel.

Ethanol continues to account for an increasing share of corn use. Starting in 2017/18, more corn is used in ethanol production than is fed directly to livestock.

U.S. livestock and poultry production has declined since 2008 and only modest growth is projected, limiting growth in total feed consumption. Increased use of distillers grains and other coproducts of ethanol production also limits the direct use of corn as a feed.

Reported feed and residual use includes a residual category that can vary from year to year for reasons unrelated to actual feed consumption. This residual use helps explain the reported drop in feed and residual use in 2008/09 and the projected increase in 2009/10.

U.S. corn exports fell sharply in 2008/09, and the 2009/10 exports may increase less than shown in the table, based on information that only became available after the baseline was completed. Projected corn exports increase slowly after 2010/11, as U.S. producers satisfy a portion of growing global feed demand.

Higher corn prices have resulted in a large increase in producer market receipts since 2005/06. Corn production expenses, which increased sharply in 2008/09, have moderated somewhat. With prices also falling, the profitability of corn production declines in 2009/10 but remains above pre-2007 levels.

Projected corn acreage increases in 2010, as expected returns to corn production are favorable compared to those for soybeans, wheat, and most other competing crops. Acreage increases further in later years but remains below the 2007 peak.

Farm program payments are small relative to corn market receipts. Marketing loan benefits and countercyclical payments will occur only if corn prices fall far below the projected levels. ACRE program participation rates are expected to remain low.

U.S. Ethanol and Biofuel Policy Provisions

Projected growth in corn-based ethanol slows, but production still reaches 16 billion gallons by 2019/20.

Imported sugar-based ethanol is assumed to satisfy most of the RFS2 for advanced biofuels not met by cellulosic ethanol or biodiesel.

Future cellulosic ethanol production growth is very uncertain. Projected supplies are well below the levels envisioned in the EISA.

Given projected levels of gasoline consumption, less than 14 billion gallons of ethanol can be used in 10% blends. To utilize the projected supplies of ethanol, use of higher-level blends must increase rapidly after 2011/12. The baseline does not assume intermediate blends such as E-15.

For E-85 use to grow rapidly, there must be investment in flex-fuel vehicles and distribution infrastructure, and the fuel must be priced competitively.

Because of EISA, different types of ethanol can command different prices.

Producer prices for advanced ethanol can exceed prices for conventional ethanol to generate the supplies required. Cellulosic ethanol prices are effectively capped when EISA targets are not met.

When the RFS2 is binding, Renewable Identification Numbers (RINs) take on value. RINs reflect the price biofuel blenders would be willing to pay not to use the required quantities of biofuel.

For the first time, the baseline includes market projections for corn stover and switchgrass as feedstocks for cellulosic ethanol production. Assuming some reductions in production, collection, and processing costs, cellulosic ethanol production expands rapidly after 2015. Great uncertainty surrounds these projections for markets that do not yet exist using technologies that have yet to be demonstrated on a commercial scale.

U.S. Corn Products

Rapid growth in dry mill ethanol production has resulted in growing supplies of distillers grains. Slower projected ethanol production growth results in slower growth in distillers grain production.

The table reports the sum of wet and dried distillers grains on a dry-equivalent basis.

Most of the product is fed to U.S. livestock, primarily beef and dairy cattle, but exports have increased rapidly. Over the long run, prices of distillers dried grains with solubles (DDGS) and corn gluten feed generally move with corn prices.

Monthly DDGS prices in 2008 and 2009 dipped well below corn prices as increasing supplies were made available to livestock producers. Projected DDGS prices increase relative to corn in 2009/10 and remain around 90%-95% of corn prices in the baseline.

Corn oil production from wet mill plants has been steady or declining in recent years. Wet mill plants produce ethanol, HFCS, and other products. The baseline projects an increase in the share of dry mill ethanol plants that fractionate corn to separate the corn oil. The increasing production of corn oil from fractionation puts downward pressure on corn oil prices relative to prices of soybean oil.

Per capita HFCS domestic use has been declining, in part because of reduced consumption of caloric soft drinks. HFCS exports are projected to increase as Mexico imports more HFCS to use in its domestic soft drink industry.

U.S. Corn Products Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
High-Fructose Corn Syrup											
	(Thousand Tons, Oct.-Sept. Year)										
Production	8,755	8,702	8,710	8,824	8,903	8,956	8,987	9,034	9,078	9,126	9,178
Domestic Use	8,194	8,038	7,958	7,985	7,990	7,984	7,965	7,971	7,972	7,977	7,983
Net Exports	561	664	752	839	913	971	1,021	1,064	1,106	1,150	1,195
	(Pounds per Capita, Oct.-Sept. Year)										
Domestic Use per Capita	52.72	51.22	50.22	49.91	49.46	48.96	48.37	47.95	47.50	47.08	46.67
	(Cents per Pound, Oct.-Sept. Year)										
Price, 42% Midwest	26.19	24.94	25.15	25.57	25.84	26.32	26.66	26.73	26.85	27.00	27.03
HFCS price/refined sugar price	61.0%	75.6%	77.8%	77.7%	78.2%	78.8%	79.6%	80.0%	80.4%	80.8%	81.1%
Distillers, Brewers Grains											
	(Thousand Tons, Sept.-Aug. Year)										
Production (Dry Equivalent)	33,514	37,064	37,722	38,253	39,325	40,835	41,953	42,643	43,419	43,940	44,075
Domestic Use	27,339	30,621	31,031	31,321	32,171	33,462	34,382	34,883	35,475	35,808	35,754
Net Exports	6,176	6,442	6,690	6,932	7,154	7,373	7,571	7,760	7,945	8,132	8,321
	(Dollars per Ton, Sept.-Aug. Year)										
Price, Lawrenceburg, IN	121.36	120.79	123.07	124.60	126.32	127.76	129.44	129.93	130.99	131.58	131.26
DDGS Price/Corn Price	94.5%	91.1%	91.9%	92.3%	92.5%	92.7%	92.8%	93.5%	93.7%	94.1%	95.0%
Corn Gluten Feed											
	(Thousand Tons, Sept.-Aug. Year)										
Production	7,803	7,842	7,838	7,859	7,881	7,916	7,932	7,945	7,965	7,987	8,004
Domestic Use	7,008	7,077	7,106	7,158	7,209	7,271	7,318	7,356	7,403	7,452	7,490
Net Exports	794	765	732	701	672	644	614	589	561	536	514
	(Dollars per Ton, Sept.-Aug. Year)										
Price, 21%, IL Points	83.65	83.75	85.16	85.93	87.01	87.85	88.88	88.75	89.28	89.34	88.56
CGF price/corn price	65.1%	63.2%	63.6%	63.7%	63.7%	63.7%	63.7%	63.9%	63.8%	63.9%	64.1%
Corn Gluten Meal											
	(Thousand Tons, Sept.-Aug. Year)										
Production	2,053	2,064	2,063	2,068	2,074	2,083	2,087	2,091	2,096	2,102	2,106
Domestic Use	1,270	1,264	1,255	1,252	1,248	1,248	1,242	1,235	1,230	1,226	1,220
Net Exports	783	800	807	816	826	835	846	856	866	876	886
	(Dollars per Ton, Sept.-Aug. Year)										
Price, 60%, IL Points	454.62	429.83	438.06	439.62	443.23	446.79	447.57	448.34	449.42	449.73	450.37
CGM price/soy meal price	155.4%	158.2%	157.3%	157.2%	156.8%	156.4%	156.4%	156.3%	156.3%	156.3%	156.2%
Corn Oil											
	(Million Pounds, Oct.-Sept. Year)										
Production	2,560	2,648	2,707	2,772	2,845	2,932	3,009	3,078	3,150	3,220	3,281
Domestic Use	1,807	1,874	1,949	2,005	2,073	2,157	2,234	2,302	2,373	2,440	2,497
Net Exports	761	768	764	766	769	772	773	775	776	778	781
Ending Stocks	197	204	198	200	203	206	207	208	209	211	213
	(Cents per Pound, Oct.-Sept. Year)										
Chicago Price	36.96	36.16	38.56	39.08	39.30	39.89	40.85	41.77	42.61	43.27	43.65
Corn oil price/soy oil price	100.3%	99.9%	99.4%	99.0%	98.6%	98.1%	97.8%	97.5%	97.2%	96.9%	96.7%

U.S. Corn Processing

Lower ethanol prices severely squeezed ethanol plant margins in 2008/09, and lower corn prices have slightly improved profitability at dry mill ethanol plants in 2009/10.

Ethanol producer net operating returns remain far lower than during the 2005-2007 period, contributing to a sharp slowdown in ethanol plant capacity expansion. Actual net returns to ethanol production depend on petroleum prices, the weather, policy, and other factors that are difficult to predict. For example, high petroleum prices may raise ethanol prices and net returns, while a drought could raise corn prices and reduce ethanol net returns.

Lower returns reduced corn ethanol capacity utilization rates in 2008/09, and some plants remained idle in the first few months of the 2009/10 marketing year. From 2010 to 2019, net returns over operating costs average about \$0.30 per gallon. Operating costs exclude capital costs; net profits are lower. Utilization rates increase in 2010/11 in response to more favorable margins.

The pattern of net returns for wet mill ethanol plants over time is very similar to that for dry mill plants. Capital costs and average returns over operating costs generally are higher for wet mill plants than for dry mill plants.

Ethanol use accounts for most of the growth in food and industrial use of corn.

U.S. Corn Processing

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn Food, Industrial Use	(Million Bushels)										
Fuel Alcohol	4,254	4,693	4,778	4,847	4,981	5,173	5,316	5,405	5,506	5,576	5,599
HFCS	477	473	472	478	481	483	484	485	487	488	490
Glucose and Dextrose	237	234	235	236	237	238	239	240	241	242	243
Starch	234	236	238	240	242	244	247	249	251	254	257
Beverage Alcohol	135	136	137	138	139	140	141	142	143	145	146
Cereals and Other	194	195	197	199	200	202	204	206	207	209	211
Total	5,531	5,967	6,057	6,137	6,280	6,480	6,629	6,727	6,835	6,914	6,945
Corn Dry Milling	(Units per Bushel)										
Corn Dry Milled for Ethanol	3,833	4,260	4,348	4,422	4,559	4,749	4,893	4,985	5,087	5,159	5,184
(Share of Total Ethanol)	90.1%	90.8%	91.0%	91.2%	91.5%	91.8%	92.0%	92.2%	92.4%	92.5%	92.6%
(Share Fractionating)	9.5%	10.9%	12.5%	14.1%	15.6%	17.1%	18.6%	20.0%	21.4%	22.7%	24.0%
Yields per Bushel of Corn	(Units per Bushel)										
Ethanol (Gallons)	2.74	2.75	2.77	2.78	2.80	2.81	2.83	2.84	2.86	2.87	2.89
Distillers Grains (Pounds)	16.86	16.83	16.79	16.75	16.72	16.68	16.65	16.62	16.59	16.56	16.53
Costs and Returns	(Dollars per Gallon)										
Ethanol Value	1.74	1.76	1.78	1.78	1.81	1.87	1.93	1.92	1.93	1.94	1.92
Distillers Grains Value	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Corn Cost	-1.31	-1.35	-1.36	-1.36	-1.37	-1.37	-1.38	-1.37	-1.37	-1.36	-1.34
Fuel and Electricity Cost	-0.16	-0.19	-0.20	-0.20	-0.21	-0.23	-0.25	-0.26	-0.26	-0.27	-0.28
Other Operating Costs	-0.33	-0.33	-0.33	-0.33	-0.34	-0.34	-0.34	-0.35	-0.35	-0.35	-0.36
Net Operating Return	0.30	0.27	0.26	0.26	0.27	0.31	0.33	0.32	0.33	0.33	0.32
Corn Wet Milling	(Million Bushels)										
Corn Wet Milled for Ethanol	421	433	430	425	422	423	423	420	419	417	415
(Share of Total Ethanol)	9.9%	9.2%	9.0%	8.8%	8.5%	8.2%	8.0%	7.8%	7.6%	7.5%	7.4%
Other Corn Wet Milling	948	943	945	954	960	965	969	974	979	984	989
Total Corn Wet Milling	1,369	1,376	1,375	1,379	1,383	1,389	1,392	1,394	1,397	1,401	1,404
Yields per Bushel of Corn	(Units per Bushel)										
Ethanol (Gallons)	2.69	2.70	2.71	2.71	2.72	2.73	2.74	2.74	2.75	2.76	2.77
Gluten Feed (Pounds)	11.40	11.40	11.40	11.40	11.40	11.40	11.40	11.40	11.40	11.40	11.40
Gluten Meal (Pounds)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Corn Oil (Pounds)	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
Costs and Returns	(Dollars per Gallon)										
Ethanol Value	1.74	1.76	1.78	1.78	1.81	1.87	1.93	1.92	1.93	1.94	1.92
Gluten Feed Value	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.18	0.19	0.18	0.18
Gluten Meal Value	0.25	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.24	0.24
Corn Oil Value	0.23	0.22	0.24	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.26
Corn Cost	-1.34	-1.38	-1.39	-1.39	-1.41	-1.41	-1.43	-1.42	-1.42	-1.42	-1.40
Fuel and Electricity Cost	-0.13	-0.15	-0.16	-0.16	-0.17	-0.18	-0.20	-0.20	-0.21	-0.21	-0.22
Other Operating Costs	-0.52	-0.52	-0.53	-0.53	-0.53	-0.54	-0.54	-0.55	-0.55	-0.56	-0.56
Net Operating Return	0.41	0.36	0.37	0.36	0.37	0.41	0.43	0.43	0.43	0.43	0.43

U.S. Sorghum

Sorghum acreage declined sharply in 2009 as sorghum prices retreated from their 2008 peak. Projected sorghum area planted increases in 2010 but remains well below the 2008 level.

Food and industrial use of sorghum has increased because of expanded ethanol production. The baseline projects continued moderate growth in ethanol use of sorghum. The grain sorghum projections do not incorporate any potential use of sweet sorghum as a biofuel feedstock.

In 2008/09, large sorghum supplies led to low sorghum prices relative to corn prices and a sharp expansion of sorghum feed use. Reduced sorghum supplies in 2009/10 have resulted in higher sorghum prices relative to corn and a reduction in sorghum feed use. In the baseline, sorghum prices move with corn prices so that sorghum continues to be competitive in feed rations.

Sorghum export demand has weakened since NAFTA implementation eliminated remaining barriers to Mexican corn imports from the United States.

Higher yields contribute to an increase in sorghum market returns per acre in 2009/10. Lower fuel and fertilizer expenses reduced sorghum production costs in 2009/10, resulting in higher net returns.

Over the next 10 years, projected sorghum variable expenses increase slightly faster than sorghum market receipts. This leads to a reduction in sorghum planted area.

U.S. Barley

Strong international demand for barley and other grains contributed to a large increase in barley prices in 2007/08, and U.S. barley exports reached their highest level since 2000/01. Weaker international markets have reduced demand for U.S. barley exports. As a result, the United States becomes a net importer of barley in 2009/10.

Most U.S. barley is used in beer production. The share of the U.S. barley crop devoted to feed uses has declined dramatically in recent years, and further reductions are projected.

U.S. barley carryover stocks have increased sharply since 2007/08. This is likely to result in lower prices for malting barley contracts, and it has already resulted in sharply lower prices for feed barley.

Barley net returns remain strong in 2009/10, as lower prices are offset by higher yields and lower production expenses. A further decline in market prices and a return to normal yields results in lower net returns in 2010/11.

U.S. Oats

The five years of consecutive declines in U.S. oats production were temporarily reversed in 2009 because of increasing area and strong yields. In subsequent years, oats production is projected to decline as area contracts over time.

Imports exceed domestic production, and this pattern is expected to persist over the next 10 years.

As with other grains, oat prices have retreated since peaking in the summer of 2008. The season-average farm price falls by one-third in 2009/10.

Food and industrial uses of oats are projected to remain stable in per capita terms. After an increase in 2009/10, feed use of oats resumes its long-term decline.

In spite of a decline in variable production expenses, net returns to oat producers also decline in 2009/10. Over the next decade, projected oat market receipts and production expenses increase at similar rates, leaving average net returns essentially flat. Reported returns do not include income from sale of oats straw.

U.S. Hay

Tight hay supplies led to record hay prices in 2008/09. As hay supplies increase relative to cattle numbers, hay prices fall in 2009/10 and remain far below the 2008/09 level in later years.

Hay yields per acre increased for the third straight year in 2009, and a further modest increase in hay yields and production is projected for 2010.

Hay stocks continue to rebuild in 2009/10 and 2010/11, putting downward pressure on hay prices.

Lower hay prices encourage a modest increase in hay disappearance for the next several years. Beginning in 2014/15, increasing cattle numbers contribute to growth in hay disappearance and a slight recovery in hay prices.

Average projected hay production and disappearance are almost the same after 2010/11. Deviations from average weather and other factors will result in variability not reflected in these projections.

Hay markets are more fragmented than markets for most other agricultural commodities, so trends in national average prices may not reflect local conditions.

U.S. Hay Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Million Acres)										
Area Harvested	59.8	60.1	60.0	59.8	59.6	59.5	59.3	59.3	59.2	59.2	59.2
	(Tons per Acre)										
Yield	2.47	2.49	2.50	2.51	2.52	2.53	2.54	2.54	2.55	2.56	2.57
	(Million Tons)										
Supply	169.5	172.4	173.9	174.5	174.9	175.2	175.6	175.9	176.1	176.4	176.6
Production	147.4	149.8	150.0	150.0	150.1	150.2	150.5	150.8	151.2	151.6	151.9
Beginning Stocks	22.1	22.6	23.9	24.4	24.8	25.0	25.1	25.1	24.9	24.8	24.7
Disappearance	146.9	148.5	149.4	149.7	149.9	150.1	150.5	151.0	151.3	151.7	152.0
Ending Stocks	22.6	23.9	24.4	24.8	25.0	25.1	25.1	24.9	24.8	24.7	24.6
	(U.S. Dollars per Ton)										
Prices											
All-Hay (crop year)	114.95	110.12	108.81	107.97	108.07	108.40	109.94	111.88	113.86	115.68	117.16
Alfalfa (calendar year)	124.42	118.92	115.62	114.37	114.04	114.33	115.61	117.76	120.14	122.43	124.39

U.S. Soybeans and Soybean Products

Record soybean production results in only a modest increase in soybean stocks in 2009/10, as soybean use also hits record highs.

A slight reduction in area and a return to more normal yields result in slightly lower projected soybean production in 2010/11. Projected average stocks and prices are fairly stable after 2010/11, but low stocks relative to use suggest continued price volatility.

After a significant decline in 2008/09, soybean crush grows steadily, supported by increasing use of both soybean meal and soybean oil.

Strong Chinese demand and the weather-reduced Argentine crop harvested in early 2009 result in record U.S. soybean exports in 2009/10. Increased South American supplies result in lower U.S. exports in 2010/11 and limit U.S. soybean export growth in future years.

High yields result in an increase in soybean net returns per acre in 2009/10, in spite of slightly lower soybean prices, while lower projected soybean prices and yields reduce soybean net returns in 2010/11.

Soybean returns must remain well above pre-2007 levels for soybeans to maintain competitiveness with corn production.

Food uses of soybean oil are expected to decline in 2009/10 for the fifth straight year. The projections assume future per capita consumption is fairly stable.

After falling sharply in 2008/09, soybean oil prices increase with growth in biodiesel use and strength in global vegetable oil demand. Projected soybean oil prices remain well below the 2007/08 record.

Soybean oil exports increase in 2009/10 but dip in 2010/11 as competitor supplies increase.

Future growth in biodiesel use of soybean oil depends on biodiesel demand and the ability to expand biodiesel production from other feedstocks.

Reduced livestock and poultry production and competition from distillers grains have limited domestic use of soybean meal in recent years. Weak demand from the livestock sector contributes to lower soybean meal prices in 2009/10 and 2010/11. Projected growth in soybean meal use is a result of resumed growth in poultry production, continued moderate soybean meal prices, and slower growth in distillers grain use.

Soybean meal exports increase slowly because of continued competition from other suppliers.

Projected soybean meal prices remain fairly steady in later years, as production and use expand in tandem.

U.S. Soybean Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Area	(Million Acres)										
Planted Area	77.5	76.6	76.1	76.9	76.8	77.0	77.3	77.5	77.8	78.0	78.3
Harvested Area	76.4	75.7	75.2	76.0	75.9	76.1	76.4	76.6	76.9	77.1	77.5
Yield	(Bushels per Acre)										
Actual	44.0	42.4	42.8	43.2	43.6	44.0	44.4	44.8	45.2	45.6	45.9
Supply	(Million Bushels)										
Beginning Stocks	138	264	285	270	272	271	269	269	268	268	268
Production	3,361	3,211	3,218	3,285	3,313	3,350	3,394	3,435	3,480	3,516	3,560
Imports	10	10	10	10	10	10	10	10	10	10	10
Domestic Use	1,872	1,946	1,983	2,022	2,054	2,086	2,121	2,157	2,192	2,226	2,261
Crush	1,709	1,784	1,820	1,858	1,888	1,918	1,952	1,987	2,020	2,052	2,086
Seed, Residual	163	163	163	164	166	168	169	171	172	174	176
Exports	1,374	1,254	1,260	1,270	1,269	1,276	1,283	1,289	1,299	1,300	1,308
Total Use	3,245	3,200	3,243	3,293	3,324	3,362	3,404	3,446	3,490	3,526	3,569
Ending Stocks	264	285	270	272	271	269	269	268	268	268	268
CCC Inventory	0	0	0	0	0	0	0	0	0	0	0
Under Loan	12	16	13	14	13	13	13	13	13	13	14
Other Stocks	252	269	256	259	258	256	256	255	255	255	255
Prices, Program Provisions	(Dollars per Bushel)										
Farm Price	9.42	8.75	9.28	9.35	9.49	9.67	9.79	9.91	10.05	10.14	10.20
Illinois Processor Price	9.85	9.20	9.71	9.78	9.92	10.09	10.21	10.32	10.46	10.55	10.61
Loan Rate	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Target Price	5.80	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Direct Payment	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Base Area	(Million Acres)										
Base Area	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
Direct Payment Yield	(Bushels per Acre)										
Direct Payment Yield	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
CCP Yield	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
ACRE Participation Rate	(Percent)										
ACRE Participation Rate	15.3	19.9	21.4	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
Returns and Payments	(U.S. Dollars per Acre)										
Gross Market Revenue	414.50	371.36	397.21	404.12	414.08	425.52	434.91	444.02	454.51	462.14	468.47
Variable Expenses	121.72	125.24	130.94	135.43	139.20	143.08	147.35	150.72	153.48	156.25	158.60
Market Net Returns	292.78	246.11	266.27	268.69	274.89	282.45	287.56	293.30	301.03	305.89	309.87
Marketing Loan Benefits	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ACRE Payments	0.00	2.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CCP Payment/Base	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Direct Payment/Base	10.98	10.87	10.84	11.03	11.03	11.03	11.03	11.03	11.03	11.03	11.03
Other indicators	(U.S. Dollars)										
48% Meal Price/ton	292.49	271.74	278.49	279.74	282.70	285.66	286.23	286.78	287.62	287.81	288.27
Oil Price/cwt	36.83	36.21	38.81	39.47	39.86	40.64	41.78	42.85	43.84	44.64	45.14
Crushing Margin/bu	1.17	1.34	1.28	1.32	1.30	1.28	1.31	1.33	1.33	1.33	1.34
Bean/Corn Ratio	(Index)										
Bean/Corn Ratio	2.62	2.36	2.48	2.47	2.48	2.51	2.51	2.55	2.57	2.59	2.64

U.S. Soybean Meal Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Tons)										
Supply	40,772	42,528	43,401	44,306	45,016	45,716	46,517	47,349	48,132	48,902	49,699
Beginning Stocks	235	240	256	257	260	262	263	265	267	268	270
Production	40,397	42,147	43,005	43,909	44,616	45,314	46,115	46,943	47,725	48,493	49,290
Imports	140	140	140	140	140	140	140	140	140	140	140
Domestic Use	30,646	31,768	32,198	32,965	33,653	34,248	34,945	35,484	36,027	36,592	37,006
Exports	9,885	10,503	10,945	11,081	11,102	11,205	11,307	11,597	11,837	12,040	12,422
Total Use	40,532	42,271	43,144	44,046	44,754	45,453	46,252	47,082	47,864	48,632	49,429
Ending Stocks	240	256	257	260	262	263	265	267	268	270	271
	(U.S. Dollars per Ton)										
Prices, 48% Protein											
Decatur	292.49	271.74	278.49	279.74	282.70	285.66	286.23	286.78	287.62	287.81	288.27

U.S. Soybean Oil Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Million Pounds)										
Supply	21,889	22,487	22,955	23,337	23,683	24,044	24,430	24,814	25,169	25,514	25,883
Beginning Stocks	2,742	2,110	2,166	2,112	2,118	2,142	2,142	2,128	2,105	2,081	2,066
Production	19,072	20,301	20,714	21,150	21,490	21,827	22,212	22,612	22,988	23,358	23,742
Imports	75	75	75	75	75	75	75	75	75	75	75
Domestic Use	16,557	17,639	18,114	18,518	18,609	19,014	19,691	20,153	20,519	20,854	21,078
Food Use	14,222	14,562	14,459	14,608	14,792	14,934	15,041	15,171	15,309	15,474	15,666
Biodiesel Use	2,335	3,077	3,655	3,911	3,817	4,080	4,650	4,982	5,210	5,380	5,412
Exports	3,222	2,681	2,728	2,701	2,932	2,889	2,611	2,556	2,568	2,594	2,743
Total Use	19,779	20,321	20,843	21,219	21,541	21,902	22,302	22,709	23,088	23,448	23,821
Ending Stocks	2,110	2,166	2,112	2,118	2,142	2,142	2,128	2,105	2,081	2,066	2,062
	(U.S. Cents per Pound)										
Prices											
Decatur	36.83	36.21	38.81	39.47	39.86	40.64	41.78	42.85	43.84	44.64	45.14

U.S. Biodiesel

The projections assume that the \$1-per-gallon tax credit is extended and the authority to waive the EISA biodiesel mandate is not utilized. The projection is consistent with the recent EPA ruling that a 1-billion-gallon mandate is carried forward after 2012, and soybean-oil-based biodiesel continues to satisfy greenhouse gas reductions required under the bio-based diesel mandate.

Reduced profitability led to a sharp contraction in biodiesel production in 2008/09. Soybean-oil-based biodiesel fell sharply, while biodiesel production from other fats and oils held steady.

Projected production increases to satisfy the biodiesel and advanced biofuel mandates under the RFS2. Excess existing production capacity keeps margins low even as biodiesel use grows with the mandate. Existing capacity is enough to meet the 1-billion-gallon mandate, and narrow margins discourage growth in biodiesel capacity.

Domestic use generally expands with the biodiesel RFS2 until 2013/14. After 2013/14, some biodiesel is consumed in excess of the biodiesel RFS2 to help satisfy the advanced biofuel mandate.

The EU tariff on U.S. biodiesel has resulted in sharply lower U.S. biodiesel exports. Rising EU biodiesel prices result in some U.S. biodiesel exports at the end of the projection period, in spite of the tariff.

U.S. Biodiesel Sector

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Biodiesel Supply and Use											
	(Million Gallons, Oct.-Sept. Year)										
Production	644	787	925	1,010	1,027	1,086	1,187	1,251	1,297	1,330	1,338
From Soybean Oil	303	400	475	508	496	530	604	647	677	699	703
From Other Fats and Oils	341	387	451	502	531	556	583	604	620	631	636
Net Exports	30	7	0	9	20	21	20	40	74	111	157
Domestic Use	614	780	925	1,001	1,007	1,065	1,167	1,211	1,224	1,219	1,181
Fuel Prices											
	(Dollars per Gallon, Oct.-Sept. Year)										
Biodiesel Rack	3.66	3.69	3.93	3.99	3.99	4.06	4.19	4.30	4.39	4.47	4.51
#2 Diesel, Refiner Sales	1.92	2.15	2.31	2.41	2.50	2.59	2.68	2.74	2.79	2.79	2.77
#2 Diesel, Retail	2.68	2.92	3.08	3.19	3.27	3.37	3.47	3.54	3.59	3.59	3.57
Tax credit, pre-consumer	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Tax Credit, Other Feedstocks	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Costs and Returns											
Biodiesel Value	3.66	3.69	3.93	3.99	3.99	4.06	4.19	4.30	4.39	4.47	4.51
Glycerin Value	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Soy Oil Cost	-2.84	-2.79	-2.99	-3.04	-3.07	-3.13	-3.22	-3.30	-3.38	-3.44	-3.48
Other Operating Costs	-0.55	-0.56	-0.56	-0.56	-0.57	-0.57	-0.58	-0.58	-0.59	-0.60	-0.60
Net Operating Return	0.30	0.37	0.41	0.41	0.39	0.39	0.42	0.44	0.45	0.47	0.46

U.S. Vegetable Oil Consumption

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
(Pounds)											
Per Capita Consumption	64.69	65.42	64.93	65.06	65.36	65.60	65.67	65.72	65.82	65.99	66.25
Soy Oil (Exc. Biodiesel)	45.75	46.40	45.63	45.65	45.79	45.78	45.67	45.63	45.61	45.67	45.80
Corn Oil	5.81	5.97	6.15	6.27	6.42	6.61	6.78	6.92	7.07	7.20	7.30
Canola Oil (Exc. Biodiesel)	9.31	9.17	9.26	9.27	9.30	9.35	9.38	9.33	9.31	9.29	9.33
Cottonseed Oil	1.48	1.66	1.61	1.60	1.58	1.57	1.55	1.54	1.53	1.53	1.52
Sunflower Oil	1.63	1.55	1.60	1.60	1.61	1.61	1.62	1.63	1.63	1.64	1.65
Peanut Oil	0.70	0.67	0.68	0.68	0.67	0.67	0.67	0.67	0.66	0.66	0.65

U.S. Sunflower Seed and Sunflower Seed Products

U.S. farm prices for sunflower seed have declined sharply in 2009/10, a year after sharp declines in European prices.

Lower prices translate into lower net returns to sunflower seed producers in 2009/10. Sunflower acreage contracted in 2009 in anticipation of lower returns relative to other crops. Projected 2010-2019 sunflower area is steady at just over 2 million acres.

Crush accounts for slightly more than half of domestic sunflower seed use in the baseline. The United States is normally a small net exporter of sunflower seed.

Rising world vegetable oil prices keep projected sunflower seed prices above pre-2007 levels. Slowly rising prices and yields after 2011/12 offset rising production costs, so average net returns are fairly stable.

ACRE program participation is higher for sunflower seed than for other crops. ACRE payments can be large when national prices or state yields fall relative to recent averages.

U.S. Sunflower Meal Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Tons)										
Supply	375	360	361	359	360	362	365	371	377	385	392
Beginning Stocks	5	5	5	5	5	5	5	5	5	5	5
Production	370	355	356	354	355	357	360	366	372	380	387
Imports	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	362	347	348	347	347	350	352	358	365	372	379
Exports	8	8	8	8	8	8	8	8	8	8	8
Total Use	370	355	356	354	355	357	360	366	372	380	387
Ending Stocks	5	5	5	5	5	5	5	5	5	5	5
	(U.S. Dollars per Ton)										
Price											
28% Protein, Minnesota	147.80	138.46	141.50	142.06	143.39	144.72	144.98	145.23	145.60	145.69	145.90

U.S. Sunflower Oil Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Million Pounds)										
Supply	828	790	789	787	789	794	799	809	821	835	848
Beginning Stocks	110	98	96	97	97	98	98	99	99	99	100
Production	652	625	627	624	626	630	634	644	656	669	682
Imports	66	66	66	66	66	66	66	66	66	66	66
Domestic Use	506	488	507	512	519	526	532	541	549	556	564
Exports	224	206	185	179	172	169	167	169	173	178	184
Total Use	730	694	692	690	691	695	700	710	722	735	748
Ending Stocks	98	96	97	97	98	98	99	99	99	100	101
	(U.S. Cents per Pound)										
Price											
Average Crude, Minnesota	55.65	57.69	59.02	59.98	60.45	61.29	62.58	63.68	64.74	65.66	66.25

U.S. Canola Seed and Canola Seed Products

U.S. farm prices for canola have declined sharply in 2009/10. Canola prices have not declined as much as sunflower seed prices, in part because of continued strong European demand for rapeseed oil to produce biodiesel.

As with sunflower seed, anticipated reductions in canola prices resulted in lower canola acreage in 2009. Projected canola acreage increases slightly in 2010 as lower prices for wheat and barley reduce competition from competing crops. Canola acreage increases slightly in later years, but remains well below the 2007 level of 1.2 million acres.

U.S. imports of canola, canola oil, and canola meal from Canada have exceeded domestic production in recent years.

Over the baseline, continued strength in vegetable oil demand leads to rising canola oil prices. While plants have been built to use canola oil as a feedstock in biodiesel production, projected canola oil prices are sufficiently high that relatively little U.S. canola oil is likely to be used for biodiesel production.

U.S. Canola Meal Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Tons)										
Supply	2,854	2,806	2,899	2,923	2,963	3,015	3,039	3,072	3,103	3,144	3,180
Beginning Stocks	6	6	6	6	6	6	6	6	6	6	6
Production	814	809	811	814	818	822	827	836	848	859	869
Imports	2,034	1,991	2,082	2,103	2,139	2,187	2,206	2,230	2,250	2,279	2,305
Domestic Use	2,757	2,709	2,801	2,826	2,866	2,918	2,942	2,975	3,006	3,047	3,083
Exports	91	91	91	91	91	91	91	91	91	91	91
Total Use	2,848	2,800	2,893	2,917	2,957	3,009	3,033	3,066	3,097	3,138	3,174
Ending Stocks	6	6	6	6	6	6	6	6	6	6	6
	(U.S. Dollars per Ton)										
Market Price	194.79	190.06	187.99	193.24	197.26	198.91	202.23	203.81	205.41	205.77	206.41

U.S. Canola Oil Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Million Pounds)										
Supply	3,573	3,559	3,625	3,660	3,704	3,756	3,799	3,811	3,828	3,846	3,887
Beginning Stocks	165	182	189	193	197	202	207	209	208	204	201
Production	1,062	1,055	1,057	1,061	1,066	1,071	1,079	1,090	1,105	1,120	1,133
Imports	2,346	2,322	2,379	2,405	2,441	2,482	2,514	2,511	2,515	2,522	2,553
Domestic Use	2,942	2,920	2,983	3,014	3,053	3,100	3,140	3,154	3,175	3,197	3,238
Biodiesel Use	46	41	49	48	48	50	53	51	49	48	49
Food and Other	2,896	2,880	2,934	2,965	3,005	3,050	3,088	3,104	3,126	3,149	3,190
Exports	449	449	449	449	449	449	449	449	449	449	449
Total Use	3,391	3,369	3,432	3,463	3,502	3,549	3,589	3,603	3,624	3,646	3,687
Ending Stocks	182	189	193	197	202	207	209	208	204	201	200
	(U.S. Cents per Pound)										
Market Price	44.61	46.17	47.67	48.46	48.70	49.14	50.16	51.97	53.50	54.85	55.22

U.S. Peanuts and Peanut Products

Sharply lower peanut production in 2009/10 results in some drawdown of stocks built up the previous year. Only a modest increase in production is projected for 2010/11, resulting in a further reduction in carryover stocks. In later years, production and use are approximately in balance. In any given year, unanticipated market shocks could move supply or demand away from these projections.

Peanut food use increased in 2008/09 and is expected to increase again in 2009/10, in spite of the early 2009 recall of some peanut products. Projected domestic food use of peanuts grows more slowly than population.

U.S. peanut exports have increased since 2004/05, but higher prices and limited supplies result in lower exports in 2010/11.

Peanut prices and variable production expenses both decline in 2009/10, leaving net returns little changed from the previous year. Projected average prices increase in 2010/11 and stay above 24¢ per pound in later years.

Actual prices will vary around the projected averages and sometimes may dip low enough to trigger countercyclical payments and marketing loan benefits.

U.S. Peanut Meal Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Million Pounds)										
Supply	222	214	239	237	239	240	241	244	247	249	251
Beginning Stocks	4	4	4	4	4	4	4	4	4	4	4
Production	217	210	235	232	234	236	237	239	243	244	247
Imports	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	206	199	224	221	223	225	226	228	232	233	236
Exports	11	11	11	11	11	11	11	11	11	11	11
Total Use	217	210	235	232	234	236	237	239	243	244	247
Ending Stocks	4	4	4	4	4	4	4	4	4	4	4
	(U.S. Dollars per Ton)										
Price											
50% Southeast Mills	124.79	116.61	116.63	117.97	118.41	118.31	118.18	117.28	116.29	115.13	113.56

U.S. Peanut Oil Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Million Pounds)										
Supply	253	245	252	252	253	254	255	257	258	259	259
Beginning Stocks	24	24	24	24	24	24	24	24	24	24	24
Production	148	143	160	159	160	161	162	163	166	167	169
Imports	80	78	68	69	68	69	69	69	68	68	66
Domestic Use	218	210	217	217	217	218	220	221	223	224	224
Exports	11	11	11	11	11	11	11	11	11	11	11
Total Use	229	221	228	228	228	230	231	232	234	235	235
Ending Stocks	24	24	24	24	24	24	24	24	24	24	24
	(U.S. Cents per Pound)										
Price											
Southeast Mills	62.07	64.77	65.85	67.14	67.97	69.08	70.42	71.70	72.81	74.08	74.97

U.S. Upland Cotton and Cottonseed Products

U.S. upland cotton production falls far short of use in 2009/10, the second straight year of shortfalls, resulting in another large reduction in carryover stocks. Higher projected cotton acreage and yields in 2010/11 bring production and use into balance.

The recession sharply reduced world cotton demand. Recovery in the world economy results in higher projected cotton prices and export demand.

Changes in Chinese cotton purchasing patterns have contributed to large historic annual swings in U.S. cotton exports.

Domestic mill use continues to decline, but the rate of contraction has slowed in recent years.

Lower stock levels make the cotton market very sensitive to any shifts in supply and demand. Given tighter cotton stocks, exports can only grow as projected if production increases.

Higher prices and lower production expenses increase cotton market net returns per acre in 2009/10. However, higher prices also eliminate marketing loan benefits and reduce countercyclical payments in 2009/10. Projected returns increase in 2010/11, largely because of higher yields.

Higher prices for all oilseeds and reduced cottonseed production contributed to sharply higher cottonseed prices in 2008/09.

Cottonseed prices fall back to about the 2007/08 level in 2009/10. This puts cottonseed prices in a more normal relationship to prices for oilseed meals and vegetable oils. A large projected increase in cottonseed production contributes to a further decline in cottonseed prices in 2010/11.

U.S. Cottonseed Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Tons)										
Supply	4,692	5,874	5,950	6,009	6,034	6,088	6,135	6,216	6,318	6,411	6,521
Beginning Stocks	514	450	562	570	577	579	585	589	597	607	616
Production	4,178	5,423	5,388	5,438	5,458	5,509	5,550	5,627	5,721	5,804	5,905
Imports	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	3,938	4,915	4,976	5,023	5,043	5,087	5,126	5,193	5,277	5,352	5,442
Crush	2,071	2,320	2,327	2,335	2,336	2,345	2,354	2,371	2,390	2,406	2,424
Other	1,867	2,594	2,649	2,688	2,707	2,742	2,772	2,822	2,887	2,946	3,018
Exports	304	397	404	409	412	416	420	426	435	442	451
Total Use	4,242	5,312	5,380	5,432	5,455	5,503	5,546	5,619	5,711	5,794	5,894
Ending Stocks	450	562	570	577	579	585	589	597	607	616	627
	(U.S. Dollars)										
Prices and Returns											
Farm Price/ton	166.04	149.47	156.73	158.13	159.73	161.80	163.94	165.58	167.04	168.03	168.23
Meal Price/ton	233.03	204.34	210.40	210.95	213.25	215.26	215.30	215.00	214.76	214.09	213.46
Oil Price/cwt	42.12	41.36	43.96	44.67	45.08	45.88	47.06	48.17	49.19	50.03	50.54
Crushing Margin/ton	69.82	71.10	74.65	75.70	76.41	77.76	79.28	80.97	82.58	83.91	85.01

U.S. Cottonseed Meal Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Tons)										
Supply	949	1,064	1,076	1,079	1,079	1,083	1,087	1,095	1,104	1,111	1,120
Beginning Stocks	17	19	29	28	28	28	28	28	28	28	29
Production	932	1,044	1,047	1,051	1,051	1,056	1,060	1,067	1,076	1,083	1,091
Imports	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	840	945	958	961	962	966	970	977	985	992	1,001
Exports	90	90	90	90	90	90	90	90	90	90	90
Total Use	930	1,035	1,048	1,051	1,052	1,056	1,060	1,067	1,075	1,082	1,091
Ending Stocks	19	29	28	28	28	28	28	28	28	29	29
	(U.S. Dollars per Ton)										
Prices											
Memphis	233.03	204.34	210.40	210.95	213.25	215.26	215.30	215.00	214.76	214.09	213.46

U.S. Cottonseed Oil Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Million Pounds)										
Supply	765	838	843	843	843	846	848	852	857	862	867
Beginning Stocks	121	116	119	117	117	116	116	115	114	113	113
Production	644	722	724	726	726	729	732	737	743	748	754
Imports	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	461	520	510	510	510	511	510	512	515	517	521
Exports	188	199	216	216	216	219	223	226	229	231	233
Total Use	649	718	726	727	727	730	733	738	744	749	754
Ending Stocks	116	119	117	117	116	116	115	114	113	113	113
	(U.S. Cents per Pound)										
Prices											
Valley Points	42.12	41.36	43.96	44.67	45.08	45.88	47.06	48.17	49.19	50.03	50.54

U.S. Sugar

Reduced imports and beginning stocks have resulted in very tight sugar supplies in 2009/10, in spite of a modest increase in domestic production.

In response to high sugar prices, projected sugar production increases in 2010/11.

Sugar imports from Mexico also increase in 2010/11, assuming a return to normal growing conditions in Mexico and a supply response to high prices.

HFCS consumption has been declining, in part because of reduced consumption of caloric soft drinks.

Per capita sugar consumption has been fairly steady, although current high prices cause a slight dip in 2009/10.

Sugar prices jump to record levels in 2009/10 because of very tight supplies. The projected supply response to these high prices results in much lower prices in 2010/11.

Prices in any given year will vary from the reported averages. If supplies are larger or demand is weaker, prices could fall low enough to trigger the sugar-for-ethanol program.

U.S. LIVESTOCK AND DAIRY

U.S. Beef

A sharp decline in consumer demand for beef resulted in much lower cattle prices in 2009 despite a decline in beef production. Cow-calf producers are expected to achieve near break-even profitability in 2010 following losses in 2008 and 2009. As the economy recovers, beef demand should strengthen. This will combine with tight beef supplies for the next few years, returning profitability to the beef industry.

The size of the U.S. calf crop has declined for 14 consecutive years, and this trend will not soon reverse itself. As cattle imports from Canada increased from 2005 to 2008, the effect of declining U.S. calf availability on slaughter levels was muted. Cattle imports are not expected to increase sharply in the years to come. Also, a higher percentage of calves will be used to rebuild the cow herd once prices improve, limiting slaughter levels.

International beef demand will increase as global economies recover, allowing beef exports to approach pre-BSE levels by 2012. Beef imports will also increase in the coming years, as a declining cow herd and higher prices encourage importers to seek cow meat supplies from overseas. In the next 10 years about 12% of beef consumption is expected to be imported and 10% of production exported.

U.S. Beef Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Beef Cows (Jan. 1)	31.7	31.0	30.5	30.1	30.1	30.1	30.2	30.6	30.9	31.1	31.3
Dairy Cows (Jan. 1)	9.3	9.1	9.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
Cattle and Calves (Jan. 1)	94.5	93.5	92.7	91.8	91.3	91.3	91.7	92.2	92.7	93.0	93.3
Calf Crop	35.6	34.9	34.5	34.4	34.5	34.8	35.1	35.6	35.9	36.1	36.2
Calf Death Loss	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Calf Slaughter	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Beef Cow Slaughter	3.4	3.3	3.1	2.9	2.9	2.8	2.6	2.6	2.7	2.8	2.9
Dairy Cow Slaughter	2.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Bull Slaughter	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Steer and Heifer Slaughter	26.6	26.3	26.4	26.2	25.9	25.9	26.3	26.7	26.9	27.2	27.4
Total Slaughter	34.4	33.8	33.7	33.3	33.0	32.9	33.1	33.5	33.9	34.2	34.5
Cattle Imports	2.0	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Cattle Exports	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cattle Death Loss	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3
Residual	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Cattle and Calves (Dec. 31)	93.5	92.7	91.8	91.3	91.3	91.7	92.2	92.7	93.0	93.3	93.4
Cattle on Feed (Jan. 1)	13.9	13.6	13.8	14.1	14.0	14.0	14.2	14.4	14.4	14.5	14.4
Supply	(Million Pounds)										
Beginning Stocks	642	555	469	504	512	530	544	567	592	616	638
Imports	2,703	2,799	2,950	3,157	3,250	3,326	3,363	3,351	3,289	3,239	3,197
Production	26,056	25,589	25,494	25,297	25,220	25,174	25,510	25,995	26,452	26,851	27,219
Total	29,401	28,943	28,914	28,958	28,982	29,031	29,416	29,913	30,333	30,706	31,053
Disappearance											
Domestic Use	26,985	26,481	26,226	26,011	25,975	25,993	26,310	26,692	27,045	27,367	27,651
Exports	1,861	1,992	2,184	2,435	2,477	2,494	2,539	2,629	2,672	2,702	2,747
Total	28,846	28,474	28,410	28,446	28,452	28,487	28,849	29,321	29,717	30,069	30,397
Ending Stocks	555	469	504	512	530	544	567	592	616	638	656
Per Capita Consumption	(Pounds)										
Carcass Weight	87.7	85.2	83.6	82.1	81.2	80.5	80.7	81.1	81.3	81.5	81.6
Retail Weight	61.4	59.6	58.5	57.5	56.8	56.3	56.5	56.7	56.9	57.1	57.1
Change	-2.1%	-2.8%	-1.9%	-1.8%	-1.1%	-0.9%	0.3%	0.5%	0.4%	0.2%	0.1%
Prices	(U.S. Dollars per Hundredweight)										
1100 - 1300 #, Nebraska Direct Steers	82.68	87.80	95.57	101.11	102.41	102.57	101.88	101.25	100.83	100.78	100.65
Change	-10.4%	6.2%	8.8%	5.8%	1.3%	0.2%	-0.7%	-0.6%	-0.4%	0.0%	-0.1%
600 - 650 #, Oklahoma City Feeder Steers	101.85	109.46	119.45	130.03	132.24	133.15	130.95	129.76	128.91	128.70	128.63
Change	-5.3%	7.5%	9.1%	8.9%	1.7%	0.7%	-1.7%	-0.9%	-0.7%	-0.2%	-0.1%
Utility Cows, Sioux Falls	47.01	48.53	54.48	58.62	59.19	59.43	58.95	58.43	57.66	57.51	57.44
Change	-14.4%	3.2%	12.3%	7.6%	1.0%	0.4%	-0.8%	-0.9%	-1.3%	-0.2%	-0.1%
Boxed Beef Cutout	140.33	150.92	164.34	173.50	176.17	176.54	176.20	175.66	175.18	175.19	175.15
Change	-8.4%	7.5%	8.9%	5.6%	1.5%	0.2%	-0.2%	-0.3%	-0.3%	0.0%	0.0%
	(U.S. Dollars per Pound)										
Beef Retail	4.26	4.45	4.73	4.99	5.14	5.19	5.18	5.17	5.16	5.16	5.16
Change	-1.5%	4.6%	6.2%	5.4%	3.0%	1.0%	-0.1%	-0.3%	-0.1%	0.0%	0.0%
Net Returns	(U.S. Dollars per Cow)										
Cow - Calf	-35.26	1.10	40.47	74.61	77.53	69.64	51.56	38.54	26.82	17.74	10.27

U.S. Pork

Hog producers experienced another disastrous year in 2009. Equity losses in 2008 and 2009 wiped out profits gained from 2004 to 2007. Producers are expected to approach break-even profitability in 2010, though much hinges on the speed of economic recovery, both at home and abroad. The cyclical nature of profitability in pork production is expected to continue. Improved returns in 2011 and 2012 will lead to higher production, which will in turn limit profitability in subsequent years.

U.S. sow numbers have declined by over 6% in the past two years. However, gains in productivity have caused pork production reductions to be much smaller. The largest area of increase has been observed in the number of pigs per litter, which has increased by 6% from 2006 to 2009. One limiting factor on productivity growth in the next decade will be a reversal of the long-term trend of increased hog imports from Canada.

Just as strong pork export growth from 2004 to 2008 buoyed hog prices in the face of strong production growth, the reverse occurred in 2009. The global economic recession, as well as the end of short-term export boosters such as hog disease problems in China, lowered pork exports by 500 million pounds last year. As pork export growth resumes in the coming decade, the amount of pork available for U.S. consumers will decline.

U.S. Pork Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Breeding Herd (Dec. 1*)	6.06	5.85	5.70	5.68	5.75	5.84	5.88	5.86	5.80	5.72	5.65
Gilts Added	3.13	3.05	3.06	3.13	3.21	3.22	3.20	3.15	3.09	3.05	3.05
Sows Slaughter	3.28	3.14	3.03	3.01	3.06	3.12	3.15	3.15	3.12	3.07	3.02
Sows Farrowed	11.97	11.71	11.62	11.75	12.00	12.23	12.35	12.37	12.32	12.25	12.24
Pigs per Litter (Head)	9.62	9.73	9.80	9.87	9.94	10.01	10.08	10.14	10.21	10.28	10.34
Market Hogs (Dec. 1*)	61.1	60.0	59.1	59.0	59.9	61.4	62.7	63.6	63.9	63.9	63.8
Pig Crop	115.2	113.9	113.9	116.0	119.3	122.4	124.4	125.4	125.8	125.9	126.6
Barrow and Gilt Slaughter	110.0	108.2	107.5	108.4	110.9	113.8	116.1	117.5	118.0	118.2	118.6
Hog Imports	6.4	5.9	6.0	6.0	6.0	6.0	6.1	6.0	6.0	6.0	5.9
Hog Exports	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Death Loss/Residual	12.7	12.5	12.4	12.6	12.9	13.2	13.5	13.6	13.6	13.7	13.7
Market Hogs (Nov. 30)	60.0	59.1	59.0	59.9	61.4	62.7	63.6	63.9	63.9	63.8	64.1
	(Million Pounds)										
Supply	635	575	563	555	561	583	608	630	644	651	654
Beginning Stocks	841	892	951	988	985	942	899	867	845	864	901
Imports	23,022	22,698	22,639	22,924	23,528	24,244	24,841	25,232	25,456	25,608	25,806
Production	24,498	24,165	24,153	24,466	25,074	25,769	26,347	26,729	26,945	27,123	27,361
Total											
Disappearance	19,772	19,143	18,999	19,134	19,546	20,007	20,365	20,567	20,634	20,678	20,779
Domestic Use	4,151	4,460	4,599	4,772	4,945	5,155	5,353	5,518	5,661	5,791	5,924
Exports	23,923	23,602	23,599	23,905	24,491	25,162	25,718	26,085	26,294	26,469	26,702
Total	575	563	555	561	583	608	630	644	651	654	659
Ending Stocks											
	(Pounds)										
Per Capita Consumption	64.2	61.6	60.5	60.4	61.1	61.9	62.4	62.5	62.1	61.6	61.3
Carcass Weight	49.8	47.8	47.0	46.9	47.4	48.1	48.4	48.5	48.2	47.8	47.6
Retail Weight	0.9%	-4.1%	-1.7%	-0.3%	1.2%	1.4%	0.8%	0.0%	-0.6%	-0.7%	-0.5%
Change											
	(U.S. Dollars per Hundredweight)										
Prices	41.24	47.89	53.76	55.93	53.45	51.47	50.24	49.58	50.48	52.24	53.93
Barrows & Gilts, Natl. Base	-13.8%	16.1%	12.3%	4.0%	-4.4%	-3.7%	-2.4%	-1.3%	1.8%	3.5%	3.2%
51-52% live equiv.	34.69	38.17	41.69	44.94	43.00	41.16	39.56	38.64	39.25	40.91	42.65
Change	6.6%	10.0%	9.2%	7.8%	-4.3%	-4.3%	-3.9%	-2.3%	1.6%	4.2%	4.2%
Sows, IA-S. Minn. #1-2, 300-400 lb	58.10	67.30	75.15	79.25	78.36	77.98	76.77	76.36	77.55	79.75	82.02
Change	-16.1%	15.8%	11.7%	5.5%	-1.1%	-0.5%	-1.5%	-0.5%	1.6%	2.8%	2.9%
	(U.S. Dollars per Pound)										
Pork Retail	2.92	3.05	3.23	3.36	3.36	3.34	3.32	3.31	3.39	3.50	3.62
Change	-0.6%	4.6%	5.9%	4.0%	-0.2%	-0.5%	-0.6%	-0.2%	2.3%	3.2%	3.6%
	(U.S. Dollars per Hundredweight)										
Net Returns	-9.64	-0.08	5.43	6.98	3.99	1.27	-0.65	-1.71	-0.97	0.54	2.30
Farrow - Finish											

* Preceding year.

U.S. Poultry

For the first time in many decades, chicken production fell below the previous year's levels. Turkey production was also down. Feed prices are at historically high levels, and reduced demand for meat and egg products have hampered all segments of the poultry industry. Chicken production is expected to grow at around 2% in the next decade. This is much lower than the 4.5% average growth rate from 1990 to 2005.

Chicken markets provided a glimpse at value issues facing all meat products during a recession, as typically lower-valued wing prices eclipsed those of boneless skinless breasts in 2009. With its lower-priced protein, chicken is in the best position relative to beef and pork to survive tight consumer budgets. However, breast prices must increase for the industry to succeed in the long run. Prices will increase upon economic recovery but not as much as prices for beef and pork.

During the past decade, about 30% of all chicken exports were destined for Russia. Russia is currently banning chicken treated with chlorine, the production process used in virtually all U.S. plants. If the ban is not resolved quickly, a surplus of dark meat chicken will pull down other chicken part prices, as well as prices for beef and pork.

U.S. Broiler Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Supply	(Million Pounds)										
Beginning Stocks	745	640	688	708	726	747	756	766	775	785	796
Imports	82	80	83	86	89	92	95	98	101	104	107
Production	35,153	35,653	36,398	37,136	37,861	38,557	39,265	40,008	40,778	41,575	42,397
Total	35,980	36,373	37,169	37,930	38,676	39,396	40,116	40,871	41,654	42,464	43,299
Disappearance											
Domestic Use	28,538	29,481	30,129	30,696	31,267	31,818	32,354	32,878	33,422	33,975	34,590
Exports	6,802	6,204	6,332	6,508	6,663	6,822	6,997	7,218	7,447	7,693	7,902
Total	35,340	35,685	36,461	37,204	37,929	38,640	39,350	40,096	40,869	41,668	42,492
Ending Stocks	640	688	708	726	747	756	766	775	785	796	807
Per Capita Consumption	(Pounds)										
RTC Weight	92.7	94.8	96.0	96.9	97.7	98.5	99.2	99.8	100.5	101.2	102.1
Retail Weight	79.6	81.5	82.5	83.2	83.9	84.6	85.2	85.8	86.3	86.9	87.7
Change	-4.5%	2.3%	1.2%	0.9%	0.9%	0.8%	0.7%	0.7%	0.7%	0.7%	0.9%
Prices	(Cents per Pound)										
12-City Wholesale	77.60	77.90	80.31	82.68	83.92	85.17	86.63	87.95	89.11	90.47	91.54
Change	-2.6%	0.4%	3.1%	3.0%	1.5%	1.5%	1.7%	1.5%	1.3%	1.5%	1.2%
Broiler Retail	177.97	182.05	188.31	194.95	199.75	203.69	207.47	210.59	213.27	216.18	218.58
Change	1.9%	2.3%	3.4%	3.5%	2.5%	2.0%	1.9%	1.5%	1.3%	1.4%	1.1%
Broiler - Feed Ratio	4.1	4.5	4.7	4.8	4.8	4.8	4.8	4.9	4.9	5.0	5.0

U.S. Egg Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Supply	(Million Dozen)										
Beginning Stocks	17	15	15	15	15	15	15	15	15	15	15
Production	7,517	7,569	7,686	7,806	7,919	8,017	8,101	8,178	8,250	8,317	8,386
Imports	11	12	12	13	13	13	13	14	14	14	14
Total	7,546	7,596	7,714	7,834	7,946	8,045	8,130	8,206	8,279	8,346	8,415
Disappearance											
Civilian Disappearance											
Shell Egg	4,258	4,284	4,342	4,404	4,461	4,509	4,548	4,580	4,610	4,636	4,662
Breaking Egg	2,083	2,110	2,153	2,199	2,242	2,282	2,317	2,349	2,380	2,409	2,439
Hatching Egg	950	967	976	986	994	1,002	1,010	1,018	1,026	1,035	1,044
Exports	240	220	227	230	233	237	241	244	248	251	254
Total	7,531	7,581	7,699	7,819	7,931	8,030	8,115	8,191	8,264	8,331	8,400
Ending Stock	15	15	15	15	15	15	15	15	15	15	15
Per Capita Consumption	(Eggs)										
Shell Egg	166.0	165.4	166.0	166.8	167.3	167.5	167.3	166.9	166.4	165.7	165.1
Change	-0.8%	-0.4%	0.4%	0.5%	0.3%	0.1%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%
Breaking Egg	81.2	81.5	82.3	83.3	84.1	84.8	85.2	85.6	85.9	86.1	86.4
Change	-0.1%	0.3%	1.1%	1.1%	1.0%	0.8%	0.6%	0.4%	0.4%	0.3%	0.3%
Total	247.2	246.8	248.3	250.0	251.4	252.2	252.5	252.5	252.3	251.9	251.5
Prices	(U.S. Cents per Dozen)										
NY Grade A Lg. Wholesale	102.97	108.79	114.01	117.08	119.18	120.27	121.19	122.20	122.75	123.41	124.20
Change	-19.8%	5.6%	4.8%	2.7%	1.8%	0.9%	0.8%	0.8%	0.4%	0.5%	0.6%
Shell Egg Retail	166.40	171.73	179.78	186.08	191.03	194.97	198.12	200.90	203.13	205.44	207.60
Change	-16.2%	3.2%	4.7%	3.5%	2.7%	2.1%	1.6%	1.4%	1.1%	1.1%	1.1%
Egg - Feed Ratio	7.1	8.3	8.8	9.0	9.0	8.9	8.8	8.8	8.8	8.7	8.8

U.S. Dairy

A large decline in farm-level milk prices was seen in 2009. All milk prices are expected to increase in 2010 to near \$17 per cwt. The increase in 2010 prices depends critically on general economic recovery. Although the forecasted average all milk prices show little volatility, there is a large range in the price outcomes, suggesting more volatility in the years ahead.

Lower world dairy prices were one of the reasons that U.S. all milk prices declined in 2009. Recovery in world dairy prices in 2010 will help support higher U.S. milk prices. The U.S. is expected to be a larger player in world markets in the baseline because of growing U.S. commercial dairy product exports.

The level of Milk Income Loss Contract (MILC) payments increased substantially in 2009 as a result of low milk prices and high feed costs. The average outcome from the baseline shows only minimal levels of MILC payments each year. However, some of the 500 outcomes have large MILC payments that exceed historical levels.

U.S. Milk Component Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Milk-Fat Basis	(Million Pounds)										
Fluid Use	1,740	1,732	1,742	1,758	1,771	1,788	1,809	1,827	1,844	1,862	1,881
Whole Milk	514	510	503	497	490	483	477	471	464	457	450
2% Milk	420	430	437	446	454	462	471	480	489	497	506
1% and Skim Milk	85	86	86	86	87	87	88	88	89	89	90
Other	721	706	715	729	740	755	772	788	803	818	835
Product Use	4,974	4,992	5,072	5,129	5,193	5,253	5,312	5,372	5,432	5,493	5,556
American Cheese	1,339	1,357	1,385	1,407	1,429	1,451	1,473	1,496	1,520	1,543	1,568
Other Cheese	1,457	1,460	1,487	1,500	1,525	1,548	1,570	1,593	1,615	1,637	1,660
Butter	1,265	1,258	1,275	1,290	1,302	1,311	1,318	1,326	1,334	1,344	1,353
Nonfat Dry	6	5	6	6	6	6	6	6	6	6	6
Evap. and Condensed	66	72	75	75	75	75	75	76	76	76	76
Frozen Products	732	733	738	745	749	754	760	765	770	774	780
Whey Products	11	11	11	11	11	11	11	11	11	11	11
Other	99	95	96	96	97	98	99	100	101	102	103
Farm Use	39	39	40	40	40	41	41	42	42	43	43
Milk Production	189,259	188,432	190,747	192,766	194,916	197,104	199,362	201,559	203,750	205,992	208,343
% Fat	3.68%	3.68%	3.67%	3.66%	3.65%	3.64%	3.63%	3.62%	3.61%	3.60%	3.59%
Total Fat Supply	6,965	6,934	7,000	7,055	7,114	7,175	7,237	7,296	7,355	7,416	7,480
Residual Fat	212	171	147	128	111	93	75	56	38	19	-1
Solids-Not-Fat Basis											
Fluid Use	5,134	5,179	5,203	5,240	5,269	5,308	5,351	5,391	5,427	5,465	5,506
Whole Milk	1,363	1,353	1,334	1,317	1,299	1,282	1,266	1,249	1,230	1,212	1,194
2% Milk	1,920	1,967	2,000	2,039	2,074	2,113	2,154	2,194	2,234	2,274	2,315
1% and Skim Milk	1,480	1,496	1,501	1,509	1,515	1,524	1,533	1,542	1,550	1,559	1,567
Other	371	363	368	375	381	389	397	405	413	421	429
Product Use	7,747	7,697	7,841	7,941	8,042	8,138	8,236	8,331	8,428	8,528	8,632
American Cheese	1,248	1,264	1,291	1,311	1,331	1,352	1,373	1,394	1,416	1,438	1,461
Other Cheese	1,537	1,540	1,568	1,581	1,609	1,632	1,656	1,680	1,703	1,726	1,750
Butter	47	47	47	48	48	49	49	49	50	50	50
Nonfat Dry	1,007	873	888	904	925	945	959	975	992	1,011	1,033
Total Nonfat Dry	1,641	1,581	1,636	1,662	1,689	1,714	1,736	1,759	1,782	1,807	1,835
Nonfat Dry in Other	-635	-708	-748	-757	-763	-769	-777	-784	-791	-796	-801
Evap. and Condensed	552	609	627	629	629	630	633	635	636	638	639
Frozen Products	1,037	1,039	1,046	1,056	1,061	1,069	1,077	1,084	1,091	1,098	1,105
Whey Products	1,673	1,700	1,745	1,781	1,801	1,820	1,840	1,860	1,879	1,900	1,920
Other	648	626	628	632	637	643	649	655	661	667	673
Farm Use	93	93	93	94	95	97	98	99	100	101	102
Milk Production	189,259	188,432	190,747	192,766	194,916	197,104	199,362	201,559	203,750	205,992	208,343
% SNF	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%
Total SNF Supply	16,466	16,394	16,595	16,771	16,958	17,148	17,345	17,536	17,726	17,921	18,126
Residual Whey	2,792	2,806	2,849	2,874	2,912	2,946	2,981	3,016	3,051	3,086	3,123
Residual SNF	699	618	609	621	640	660	679	699	720	741	763
Min. FMMO Class Prices	(U.S. Dollars per Hundredweight)										
Class I Mover	11.48	15.50	16.05	16.19	16.36	16.55	16.83	17.05	17.17	17.33	17.50
Class II	11.26	13.84	14.65	15.07	15.33	15.62	15.93	16.22	16.44	16.73	17.02
Class III	11.36	15.38	15.93	16.07	16.24	16.43	16.71	16.93	17.05	17.21	17.38
Class IV	10.89	13.46	14.27	14.69	14.96	15.24	15.55	15.84	16.06	16.35	16.64
All Milk Price	12.79	16.48	17.17	17.39	17.58	17.79	18.08	18.31	18.45	18.64	18.84

U.S. State-Level Dairy Supply

The cost of producing milk has increased rapidly because of high costs for feed and energy-related inputs. Low milk prices coupled with historically high production costs resulted in the dairy industry experiencing one of the worst years on record in 2009. Milk production costs have declined from their 2008 peak. However, they remain well above the historical average.

Dairy cow inventories declined substantially in 2009 as a result of the negative returns faced by the industry. Further contraction is expected in 2010 as returns remain historically low. Milk yield growth is expected to accelerate in 2010 given the heavy culling of lower-producing dairy cows that occurred in 2009. New technologies such as sexed semen could accelerate the growth in milk yields in the future.

Milk production is expected to decline in 2010 for the second consecutive year. After 2010, milk production is projected to grow by 1.1% annually on average. Higher feed and transportation costs appear to be pushing regional milk production closer to feed and other input sources.

U.S. Dairy Cows by State

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Thousand Head)										
Alabama	11	10	9	8	8	7	7	6	6	5	5
Alaska	1	1	1	1	1	1	1	1	1	1	1
Arizona	177	170	170	171	172	173	174	175	176	177	178
Arkansas	13	11	10	9	8	7	6	6	5	5	5
California	1,796	1,758	1,744	1,743	1,748	1,757	1,769	1,784	1,802	1,822	1,844
Colorado	123	119	117	116	115	114	114	113	113	112	112
Connecticut	18	17	16	16	15	15	14	14	13	13	12
Delaware	6	6	6	6	6	6	6	6	6	6	6
Florida	115	110	107	105	103	101	99	97	95	94	92
Georgia	77	75	74	72	71	69	67	66	64	62	61
Hawaii	2	2	2	2	2	2	1	1	1	1	1
Idaho	550	545	549	555	564	573	583	595	607	619	632
Illinois	102	101	101	101	102	102	102	102	102	102	101
Indiana	168	170	173	177	181	184	187	190	193	195	198
Iowa	215	213	213	214	214	215	215	215	215	214	214
Kansas	118	118	119	121	123	124	126	127	128	129	130
Kentucky	84	77	72	68	65	63	61	59	57	56	55
Louisiana	23	19	17	14	12	11	9	8	6	5	4
Maine	33	33	32	32	32	32	32	32	32	32	32
Maryland	55	54	53	52	51	50	49	48	48	47	47
Massachusetts	14	12	11	10	9	8	7	7	6	6	6
Michigan	356	354	356	358	359	361	362	363	363	363	364
Minnesota	469	465	464	462	459	455	450	445	438	432	425
Mississippi	18	16	14	13	12	11	10	9	8	7	6
Missouri	107	102	100	97	95	93	91	90	88	86	84
Montana	15	13	12	11	10	9	9	9	8	9	9
Nebraska	61	59	58	57	56	56	55	55	54	54	54
Nevada	27	27	27	27	27	28	28	28	28	29	29
New Hampshire	15	15	15	15	15	15	15	15	15	15	15
New Jersey	9	8	8	7	7	6	6	5	5	5	4
New Mexico	325	311	306	303	302	302	303	305	308	311	315
New York	619	607	601	597	593	589	585	581	577	573	568
North Carolina	45	43	41	39	37	35	33	31	29	27	24
North Dakota	23	20	17	15	13	11	10	9	8	7	6
Ohio	277	271	270	269	268	267	266	265	264	262	260
Oklahoma	59	54	51	48	46	44	42	40	39	37	36
Oregon	114	114	114	115	114	114	114	113	112	111	110
Pennsylvania	545	536	532	530	528	526	524	522	520	518	515
Rhode Island	1	1	1	1	1	1	1	1	1	1	1
South Carolina	17	16	16	15	14	14	13	13	12	12	11
South Dakota	94	96	97	98	98	98	98	98	98	97	97
Tennessee	56	52	49	46	44	42	40	38	35	33	31
Texas	423	419	423	428	433	437	441	444	447	449	451
Utah	84	82	81	81	81	81	81	81	81	81	81
Vermont	135	130	126	123	121	119	117	115	114	112	111
Virginia	96	93	92	91	90	90	89	88	87	86	85
Washington	240	234	230	228	227	225	224	223	221	220	219
West Virginia	11	10	9	8	7	7	7	6	6	6	6
Wisconsin	1,257	1,245	1,245	1,245	1,241	1,237	1,233	1,228	1,223	1,217	1,212
Wyoming	5	4	3	3	4	4	5	5	5	5	5
United States	9,200	9,015	8,950	8,923	8,904	8,890	8,880	8,874	8,870	8,869	8,873

U.S. Milk Production by State

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Pounds)										
Alabama	164	149	141	132	124	117	109	103	97	91	86
Alaska	6	6	6	6	6	6	7	7	7	7	7
Arizona	4,073	3,968	4,017	4,085	4,141	4,191	4,239	4,286	4,331	4,373	4,416
Arkansas	165	143	127	112	100	90	82	76	73	71	70
California	39,506	39,215	39,623	40,108	40,734	41,451	42,253	43,074	43,917	44,822	45,794
Colorado	2,865	2,817	2,831	2,844	2,864	2,884	2,903	2,923	2,942	2,961	2,982
Connecticut	353	339	331	322	315	308	301	295	290	284	279
Delaware	102	102	103	104	105	106	107	108	109	110	111
Florida	2,080	2,004	1,984	1,962	1,941	1,920	1,900	1,880	1,862	1,844	1,829
Georgia	1,393	1,393	1,394	1,384	1,371	1,357	1,341	1,324	1,307	1,288	1,270
Hawaii	21	21	22	23	23	23	21	19	19	18	19
Idaho	12,144	12,219	12,501	12,781	13,103	13,451	13,825	14,222	14,636	15,071	15,526
Illinois	1,925	1,935	1,978	2,015	2,051	2,085	2,115	2,143	2,169	2,193	2,216
Indiana	3,370	3,463	3,584	3,691	3,797	3,896	3,990	4,079	4,164	4,245	4,326
Iowa	4,379	4,407	4,487	4,553	4,619	4,678	4,732	4,781	4,825	4,865	4,905
Kansas	2,484	2,541	2,642	2,745	2,850	2,953	3,042	3,118	3,189	3,257	3,323
Kentucky	1,192	1,112	1,069	1,032	1,004	981	962	946	935	926	922
Louisiana	275	236	207	181	157	136	117	100	84	71	59
Maine	596	596	606	615	624	633	641	649	657	665	673
Maryland	1,004	1,002	1,007	1,004	997	985	977	975	977	983	994
Massachusetts	233	210	192	176	162	149	139	129	122	116	111
Michigan	7,980	8,081	8,294	8,481	8,651	8,783	8,907	9,021	9,127	9,225	9,319
Minnesota	9,030	9,117	9,273	9,365	9,423	9,461	9,483	9,489	9,477	9,451	9,414
Mississippi	250	225	210	194	179	166	153	140	129	118	108
Missouri	1,568	1,508	1,483	1,455	1,430	1,405	1,382	1,359	1,336	1,315	1,295
Montana	299	269	246	227	212	202	195	191	190	193	199
Nebraska	1,211	1,194	1,197	1,202	1,210	1,219	1,228	1,238	1,248	1,260	1,272
Nevada	588	590	604	617	632	646	659	672	684	695	706
New Hampshire	293	293	297	300	303	306	309	312	315	317	320
New Jersey	159	150	142	134	127	121	114	108	103	97	92
New Mexico	7,904	7,671	7,612	7,589	7,603	7,643	7,709	7,796	7,902	8,025	8,168
New York	12,433	12,323	12,457	12,525	12,600	12,669	12,733	12,790	12,843	12,891	12,939
North Carolina	884	844	819	793	765	734	700	663	623	581	536
North Dakota	383	337	301	267	238	212	188	166	147	130	115
Ohio	5,175	5,121	5,160	5,187	5,213	5,233	5,248	5,258	5,263	5,265	5,267
Oklahoma	1,002	942	903	870	842	817	795	776	758	743	731
Oregon	2,248	2,273	2,320	2,353	2,377	2,397	2,414	2,427	2,436	2,442	2,444
Pennsylvania	10,549	10,508	10,594	10,657	10,727	10,793	10,856	10,916	10,972	11,028	11,085
Rhode Island	19	19	20	20	20	20	21	21	21	21	22
South Carolina	318	306	299	292	286	279	272	265	258	250	242
South Dakota	1,892	1,964	2,044	2,100	2,138	2,175	2,212	2,249	2,286	2,323	2,354
Tennessee	908	859	830	801	774	747	719	690	661	630	600
Texas	8,840	9,080	9,410	9,712	10,016	10,309	10,591	10,811	11,016	11,209	11,396
Utah	1,762	1,750	1,770	1,788	1,809	1,829	1,849	1,869	1,888	1,907	1,926
Vermont	2,469	2,396	2,372	2,350	2,334	2,323	2,316	2,313	2,314	2,318	2,326
Virginia	1,736	1,700	1,705	1,708	1,712	1,715	1,717	1,718	1,718	1,718	1,719
Washington	5,566	5,488	5,496	5,491	5,483	5,476	5,472	5,470	5,469	5,469	5,470
West Virginia	162	146	135	127	120	116	112	110	108	108	109
Wisconsin	25,200	25,330	25,842	26,222	26,528	26,820	27,104	27,377	27,638	27,889	28,141
Wyoming	100	70	62	64	73	87	97	105	110	113	114
United States	189,259	188,432	190,747	192,766	194,916	197,104	199,362	201,559	203,750	205,992	208,343

U.S. All-Milk Prices by State

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Dollars per Hundredweight)										
Alabama	13.87	17.76	18.45	18.64	18.82	19.02	19.31	19.54	19.68	19.86	20.05
Alaska	15.09	18.74	19.47	19.70	19.90	20.12	20.41	20.66	20.81	21.01	21.22
Arizona	12.09	15.70	16.44	16.68	16.88	17.11	17.40	17.64	17.80	18.00	18.22
Arkansas	12.72	16.56	17.26	17.46	17.64	17.85	18.14	18.37	18.51	18.70	18.89
California	11.51	14.86	15.47	15.74	15.95	16.19	16.48	16.72	16.89	17.11	17.34
Colorado	12.82	16.46	17.20	17.43	17.63	17.85	18.14	18.38	18.54	18.74	18.95
Connecticut	12.91	16.56	17.30	17.53	17.73	17.95	18.24	18.48	18.64	18.84	19.05
Delaware	11.95	15.65	16.38	16.60	16.79	17.01	17.30	17.54	17.69	17.89	18.10
Florida	16.82	20.76	21.44	21.62	21.79	22.00	22.28	22.51	22.65	22.82	23.00
Georgia	13.36	17.26	17.95	18.13	18.31	18.52	18.81	19.04	19.17	19.35	19.54
Hawaii	19.50	23.10	23.84	24.08	24.28	24.51	24.80	25.04	25.20	25.41	25.62
Idaho	11.81	15.46	16.20	16.43	16.63	16.85	17.14	17.38	17.53	17.73	17.94
Illinois	13.33	17.13	17.84	18.04	18.23	18.44	18.73	18.96	19.11	19.30	19.49
Indiana	13.46	17.23	17.94	18.15	18.34	18.55	18.84	19.08	19.23	19.41	19.61
Iowa	13.23	16.99	17.71	17.92	18.11	18.32	18.61	18.85	19.00	19.19	19.39
Kansas	13.99	17.70	18.42	18.65	18.84	19.06	19.35	19.59	19.74	19.93	20.14
Kentucky	13.59	17.40	18.10	18.30	18.49	18.70	18.99	19.22	19.37	19.55	19.75
Louisiana	13.23	17.11	17.80	17.99	18.17	18.38	18.67	18.90	19.04	19.22	19.41
Maine	13.23	16.88	17.61	17.85	18.04	18.27	18.56	18.80	18.96	19.16	19.37
Maryland	12.15	15.81	16.54	16.77	16.97	17.19	17.48	17.72	17.87	18.07	18.28
Massachusetts	12.91	16.56	17.30	17.53	17.73	17.95	18.24	18.48	18.64	18.84	19.05
Michigan	13.40	17.15	17.87	18.08	18.27	18.49	18.78	19.01	19.16	19.35	19.55
Minnesota	13.35	17.37	18.03	18.20	18.37	18.57	18.85	19.07	19.21	19.37	19.55
Mississippi	13.30	17.18	17.87	18.06	18.24	18.45	18.73	18.96	19.10	19.28	19.47
Missouri	12.98	16.78	17.49	17.69	17.88	18.09	18.38	18.61	18.76	18.95	19.14
Montana	12.15	16.16	16.83	16.99	17.16	17.36	17.65	17.87	18.00	18.17	18.35
Nebraska	12.08	15.73	16.46	16.70	16.89	17.12	17.41	17.65	17.81	18.00	18.21
Nevada	10.80	14.60	15.31	15.51	15.70	15.91	16.20	16.43	16.58	16.77	16.96
New Hampshire	12.72	16.37	17.10	17.34	17.53	17.76	18.05	18.29	18.44	18.64	18.85
New Jersey	11.83	15.47	16.21	16.44	16.64	16.86	17.15	17.39	17.55	17.75	17.96
New Mexico	12.19	15.98	16.69	16.90	17.08	17.30	17.59	17.82	17.97	18.15	18.35
New York	12.98	16.65	17.38	17.61	17.80	18.03	18.32	18.56	18.71	18.91	19.12
North Carolina	13.74	17.51	18.23	18.44	18.63	18.84	19.13	19.36	19.51	19.70	19.90
North Dakota	11.83	15.82	16.49	16.66	16.83	17.03	17.32	17.54	17.67	17.84	18.02
Ohio	14.14	17.89	18.61	18.82	19.01	19.23	19.52	19.75	19.90	20.09	20.29
Oklahoma	12.91	16.67	17.39	17.60	17.79	18.00	18.29	18.53	18.68	18.87	19.07
Oregon	13.66	17.31	18.05	18.28	18.47	18.70	18.99	19.23	19.38	19.58	19.79
Pennsylvania	14.45	18.12	18.85	19.08	19.28	19.50	19.79	20.03	20.18	20.38	20.59
Rhode Island	12.85	16.50	17.23	17.46	17.66	17.88	18.18	18.42	18.57	18.77	18.98
South Carolina	13.74	17.52	18.23	18.44	18.63	18.84	19.13	19.36	19.51	19.70	19.90
South Dakota	12.21	16.00	16.71	16.92	17.10	17.32	17.61	17.84	17.99	18.17	18.37
Tennessee	12.91	16.73	17.43	17.63	17.82	18.03	18.32	18.55	18.70	18.88	19.08
Texas	13.35	17.16	17.87	18.07	18.25	18.47	18.75	18.99	19.13	19.32	19.51
Utah	12.17	15.95	16.66	16.87	17.06	17.27	17.56	17.79	17.94	18.13	18.32
Vermont	13.75	17.40	18.13	18.37	18.56	18.78	19.08	19.32	19.47	19.67	19.88
Virginia	15.34	19.11	19.82	20.03	20.22	20.43	20.72	20.96	21.11	21.30	21.50
Washington	12.21	15.86	16.59	16.83	17.02	17.24	17.54	17.78	17.93	18.13	18.34
West Virginia	12.02	15.75	16.47	16.68	16.88	17.09	17.38	17.62	17.77	17.96	18.17
Wisconsin	13.07	17.06	17.73	17.90	18.07	18.27	18.56	18.78	18.91	19.08	19.26
Wyoming	11.12	14.77	15.50	15.74	15.93	16.16	16.45	16.69	16.85	17.05	17.26
United States	12.79	16.48	17.17	17.39	17.58	17.79	18.08	18.31	18.45	18.64	18.84

U.S. Dairy Products

Fluid milk consumption is expected to return to the long-term declining trend. Lower retail milk prices boosted consumption in 2009 relative to 2008. Fluid milk consumption changes are having smaller effects on producer milk prices, as a smaller percentage of milk production is used for fluid purposes.

Total cheese per capita consumption has been flat at 32.5 pounds for the previous two years after decades of strong growth. Per capita cheese consumption growth remains important to the overall dairy outlook. It reaches 34.2 pounds by 2019, an increase of 1.6 pounds from the 2009 level. This compares to a 4.7 pound increase over the 1998-2008 period.

Exports of dairy products fell in 2009 as many global economies contracted. Economic recovery allows the U.S. to commercially export dairy products over the baseline. From 2005 to 2008, over 43% of nonfat dry milk production was consumed outside of U.S. borders. Trade in butter and cheese is normally small relative to production.

U.S. Dairy Product Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Butter	(Million Pounds)										
Production	1,560	1,551	1,572	1,591	1,605	1,616	1,625	1,634	1,645	1,657	1,669
Imports	13	13	13	13	13	13	13	13	13	13	16
Domestic Use	1,515	1,588	1,556	1,565	1,572	1,579	1,584	1,589	1,593	1,596	1,602
Total Foreign Use	37	45	31	38	45	50	54	58	65	73	82
Ending Stocks	141	73	70	71	72	73	73	74	74	75	76
Government	0	0	0	0	0	0	0	0	0	0	0
Commercial	141	73	70	71	72	73	73	74	74	75	76
CCC Net Rem. inc DEIP	0	0	0	0	0	0	0	0	0	0	0
American Cheese											
Production	4,178	4,234	4,322	4,389	4,458	4,527	4,598	4,669	4,743	4,816	4,891
Imports	38	38	38	38	38	38	38	38	38	38	38
Domestic Use	4,074	4,207	4,247	4,302	4,366	4,429	4,495	4,561	4,628	4,695	4,765
Total Foreign Use	85	104	109	115	120	125	130	136	141	147	153
Ending Stocks	595	555	560	570	581	591	601	612	624	636	647
Government	0	0	0	0	0	0	0	0	0	0	0
Commercial	595	555	560	570	580	591	601	612	624	635	647
CCC Net Rem. inc DEIP	0	0	0	0	0	0	0	0	0	0	0
Other Cheese											
Production	5,925	5,937	6,045	6,096	6,201	6,291	6,384	6,475	6,564	6,653	6,748
Imports	330	333	337	340	343	347	350	354	357	361	365
Domestic Use	5,951	6,111	6,163	6,271	6,310	6,394	6,485	6,571	6,655	6,740	6,830
Total Foreign Use	217	212	216	228	232	239	245	252	261	269	277
Ending Stocks	400	347	350	287	289	295	300	305	310	316	322
Nonfat Dry Milk											
Production	1,715	1,652	1,709	1,736	1,764	1,791	1,814	1,838	1,862	1,888	1,917
Imports	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,265	1,110	1,001	990	994	1,000	1,010	1,019	1,030	1,038	1,046
Total Foreign Use	518	614	707	745	769	789	802	817	831	848	869
Ending Stocks	180	108	110	112	113	115	117	118	120	122	124
Government	60	0	0	0	0	0	0	0	0	0	0
Commercial	120	108	110	112	113	115	117	118	120	122	124
CCC Net Rem. inc DEIP	60	10	10	0	0	0	0	0	0	0	0
Evap. and Condensed Milk											
Production	770	850	875	878	878	880	883	886	888	890	893
Imports	11	11	11	11	11	11	11	11	11	11	11
Domestic Use	674	812	812	814	814	816	820	822	825	827	829
Total Foreign Use	74	74	74	74	74	74	74	74	74	74	74
Ending Stocks	75	49	49	50	50	50	50	51	51	51	52

U.S. Dairy Product Supply and Utilization (continued)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Per Capita Consumption											
											(Pounds)
Butter	4.9	5.1	5.0	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7
Nonfat Dry Milk	4.1	3.6	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Total Cheese	32.6	33.2	33.2	33.4	33.4	33.5	33.7	33.8	33.9	34.1	34.2
American	13.2	13.5	13.5	13.6	13.6	13.7	13.8	13.8	13.9	14.0	14.1
Other	19.3	19.7	19.6	19.8	19.7	19.8	19.9	20.0	20.0	20.1	20.2
Total Fluid Milk	202.9	202.2	201.1	200.7	199.9	199.5	199.3	198.9	198.4	197.9	197.6
Whole	51.1	50.2	49.0	47.9	46.8	45.8	44.8	43.7	42.7	41.7	40.7
2%	63.4	64.3	64.8	65.4	65.9	66.5	67.1	67.7	68.3	68.9	69.4
Lowfat	61.4	61.4	61.0	60.8	60.4	60.2	60.0	59.8	59.5	59.3	59.0
Other	27.1	26.2	26.3	26.6	26.7	27.0	27.4	27.7	27.9	28.2	28.5
Ice Cream	23.0	22.8	22.7	22.7	22.6	22.5	22.5	22.4	22.3	22.2	22.1
Wholesale Prices											
											(Cents per Pound)
Butter, CME	124.3	137.3	145.9	145.8	145.1	146.3	149.4	151.7	153.8	156.1	158.0
Cheese, Am., 40#, CME	129.6	168.5	173.0	174.1	175.6	177.3	179.8	181.6	182.6	183.9	185.3
Nonfat Dry Milk, AA	99.3	122.9	128.2	133.1	136.5	139.2	141.3	143.6	145.1	147.3	149.8
Evaporated	145.8	151.3	154.0	155.9	157.8	160.0	162.2	164.2	165.9	167.8	169.7
Retail Prices											
											(Dollars per Pound)
Cheese, Natural Cheddar	4.74	5.17	5.34	5.47	5.58	5.69	5.81	5.92	6.00	6.08	6.16
Milk, Fresh, Whole Fortified	2.87	3.42	3.50	3.52	3.54	3.57	3.61	3.64	3.65	3.67	3.70
Ice Cream (half gallon)	4.32	4.45	4.47	4.46	4.50	4.56	4.64	4.70	4.76	4.82	4.88

U.S. AGGREGATE MEASURES

U.S. Land Use

Projected corn area planted increases in 2010, as expected returns for corn appear favorable compared to other crops. Corn acreage surpasses 90 million acres in 2011 but remains below the 2007 peak.

Wheat area falls sharply in 2010 in response to lower wheat prices and weather conditions that inhibited winter wheat seedings. Assuming a return to more normal weather, wheat area increases slightly in 2011 but then resumes its long-term downward trend after 2012.

Soybean area dips slightly in 2010 but exceeds the 2009 record by 2016.

After three years of declining cotton acreage, higher cotton prices and reduced prospects for competing crops lead to higher upland cotton area in 2010.

After a sharp decline in 2009, sorghum area rebounds in 2010 and then resumes its long-term decline. Barley acreage and oat acreage also decline over the baseline, consistent with historical trends.

Rice area increased in 2008 and 2009 in response to high prices. Lower prices result in reduced rice area in 2010, with short- and medium-grain rice experiencing the largest declines.

The total area planted to 13 major crops increased by 10 million acres between 2006 and 2008 and then declined by 5 million acres in 2009 in response to weaker returns. The 13-crop total area planted declines another million acres in 2010.

Correcting for hay, Conservation Reserve area, and double-crop soybean acreage, total area dropped by about 4 million acres in 2009. A further 2-million-acre decline is projected for 2010 as crop returns remain well below the peak and some of the area leaving the Conservation Reserve Program is not expected to return to crop production.

The baseline assumes the conservation reserve area drops to 30 million acres by 2012, 2 million acres below the statutory maximum. Many contracts expire over the next several years, so to retain this level of reserve acreage will require new contracts or contract extensions.

U.S. Land Use for Major Crops

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Planted Area	(Million Acres)										
Corn	86.48	89.63	90.30	90.13	90.52	90.82	90.91	90.89	90.86	90.95	90.64
Soybeans	77.45	76.58	76.06	76.90	76.83	77.00	77.28	77.49	77.77	77.95	78.31
Wheat	59.13	53.56	54.92	55.00	54.86	54.48	54.02	53.86	53.60	53.35	53.11
Upland Cotton	9.01	10.16	10.03	10.05	10.01	10.02	10.02	10.07	10.14	10.19	10.27
Sorghum	6.63	7.37	7.19	7.02	6.95	6.89	6.84	6.78	6.75	6.73	6.65
Barley	3.57	3.65	3.40	3.42	3.40	3.36	3.31	3.24	3.19	3.13	3.08
Oats	3.40	3.32	3.36	3.32	3.27	3.22	3.18	3.13	3.09	3.04	3.01
Rice	3.14	2.96	2.80	2.79	2.80	2.80	2.79	2.78	2.78	2.79	2.82
Sunflowers	2.03	2.08	2.09	2.09	2.08	2.07	2.08	2.09	2.09	2.10	2.10
Peanuts	1.12	1.22	1.34	1.32	1.31	1.31	1.30	1.30	1.30	1.29	1.29
Canola	0.83	0.97	0.97	0.97	0.97	0.98	0.98	1.00	1.02	1.04	1.05
Sugar Beet	1.18	1.32	1.22	1.20	1.20	1.20	1.21	1.20	1.20	1.20	1.20
Sugarcane	0.88	0.90	0.91	0.89	0.88	0.88	0.88	0.88	0.88	0.87	0.87
13 Crop Planted Area	254.85	253.71	254.60	255.08	255.10	255.04	254.78	254.71	254.66	254.64	254.41
Hay Harvested Area	59.76	60.06	59.95	59.78	59.62	59.45	59.35	59.29	59.25	59.21	59.16
13 Crops + Hay	314.60	313.77	314.55	314.86	314.71	314.49	314.13	314.00	313.91	313.85	313.56
Conservation Reserve	33.78	31.18	30.50	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
13 Crops + Hay + CRP	348.38	344.95	345.05	344.87	344.71	344.49	344.13	344.00	343.92	343.85	343.57
Double Crop Area	4.83	3.39	4.44	4.48	4.47	4.45	4.43	4.43	4.42	4.41	4.40
Total Corrected for Double Crop	343.55	341.55	340.61	340.39	340.24	340.04	339.70	339.57	339.49	339.43	339.16

U.S. Food Prices and Expenditures

Food expenditures fell by 2.2% last year, the first annual decline since 1949. The largest reason for the decline is the reduction in farm value for many products. Additionally, other non-food costs (such as labor, transportation, marketing, and packaging) grew at a much slower rate than previous years. A more normal rate of expenditure growth will resume in 2010.

The consumer price index for food consumed at home increased by 0.5% in 2009, following a 6.4% increase in 2008. Changes in food commodity prices take longer to affect the food-away-from-home sector. Likewise, the higher proportion of non-food costs associated with dining out limits the effect of farm prices on food-away-from-home inflation. Food inflation will average 3% from 2010 to 2012.

The current economic recession has most affected the prices consumers pay for meat and dairy products. The financial difficulties faced by many producers in 2009 will lead to reduced supplies of meat and dairy products during the next few years, causing prices to increase. Longer term, food price inflation closely tracks expectations for the cost of labor, the largest component of food prices.

U.S. Consumer Price Indexes for Food

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(1982-84=100)										
Food	218.0	224.0	231.8	238.5	243.9	249.0	254.1	259.1	263.9	268.7	273.5
Food at Home	215.1	221.9	229.7	236.1	241.3	246.2	251.1	255.8	260.4	265.0	269.3
Cereal and Bakery	252.6	253.1	259.0	264.1	268.9	273.8	278.6	283.2	287.5	291.6	295.4
Meat	203.8	210.0	220.4	229.4	234.6	238.2	241.6	245.0	248.7	253.1	257.3
Dairy	197.0	212.7	220.9	224.6	227.9	231.5	235.6	239.5	242.9	246.2	249.2
Fruit and Vegetables	272.9	282.5	292.5	301.6	310.3	319.2	328.2	337.0	345.2	353.1	360.7
Other Food At Home	191.2	196.7	201.6	206.0	210.1	214.4	218.3	222.1	225.6	229.0	232.3
Sugar and Sweets	196.9	204.4	212.9	217.7	222.1	226.7	230.7	234.7	238.5	242.1	245.5
Fats and Oils	201.2	207.3	212.1	217.2	221.4	225.8	230.0	234.2	238.1	241.8	245.3
Other Prepared Items	205.5	210.6	215.6	220.1	224.3	228.6	232.7	236.7	240.4	244.1	247.6
Non-alc. Beverages	163.0	168.3	171.8	175.6	179.6	183.6	187.2	190.6	193.6	196.5	199.3
Food Away From Home	223.3	228.3	236.2	243.3	248.9	254.1	259.4	264.7	269.8	275.0	280.1

U.S. Per Capita Consumer Expenditures for Food

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Dollars per Person)										
Food at Home	1,882	1,956	2,030	2,093	2,146	2,200	2,258	2,314	2,363	2,411	2,457
Food Away From Home	1,647	1,739	1,824	1,891	1,945	2,001	2,064	2,123	2,178	2,234	2,292
Total	3,529	3,696	3,854	3,984	4,091	4,201	4,322	4,437	4,541	4,646	4,748
	(Billion Dollars)										
Aggregate Total	1,086.3	1,148.8	1,209.7	1,262.6	1,309.0	1,357.2	1,409.7	1,461.2	1,509.9	1,559.4	1,608.9

U.S. Government Costs

Net CCC outlays were flat in FY 2009, as reduced disaster spending was offset by increased spending on cotton and other commodities. Projected spending drops to around \$10 billion in FY 2010 and FY 2011.

The first payments under the ACRE program occur in October 2010, which is part of FY 2011. The last tobacco trust fund payments are made in FY 2014.

Mandatory government outlays under the crop insurance program, the Supplemental Revenue Assistance Payments (SURE) program, and certain conservation programs are not included in the CCC account.

Crop insurance outlays vary with the weather and crop prices. Crop insurance outlays dip in FY 2012 because of mandated changes in when producers pay premiums and when providers are reimbursed for expenses.

CRP spending reflects changes in CRP area under contract and increased rental rates when new contracts are signed.

For other mandatory conservation programs, projected expenditures are based on preliminary estimates from the Congressional Budget Office.

Provisions of the 2008 farm bill lead to increased spending on the Conservation Stewardship Program, the Environmental Quality Incentive Program, and other conservation programs.

Projected direct payments far exceed marketing loan benefits, countercyclical payments, and Average Crop Revenue Election (ACRE) program payments.

Projected prices in this deterministic baseline are too high to result in marketing loan benefits or countercyclical payments for most crops in most years.

The table reports results of deterministic analysis that projects one particular path for each variable. FAPRI-MU also conducts stochastic analysis that looks at a broader range of possible market outcomes. In the stochastic analysis, prices and per acre revenues sometimes drop enough to trigger spending on the marketing loan, countercyclical payment, and ACRE programs. Thus, average government spending in the stochastic analysis exceeds these deterministic estimates.

U.S. Net Government Outlays

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million U.S. Dollars, Fiscal Year)										
Feed Grains											
Corn	2,175	2,028	1,917	1,518	1,964	1,959	1,960	1,972	1,946	1,945	1,944
Sorghum	197	183	183	142	186	186	186	186	186	186	186
Barley	84	73	74	65	74	74	74	74	74	74	74
Oats	3	3	4	3	3	3	3	3	3	3	3
Food Grains											
Wheat	1,224	1,115	1,326	1,016	1,085	1,059	1,056	1,060	1,068	1,063	1,074
Rice	411	494	403	318	417	416	416	416	416	416	416
Oilseeds											
Soybeans	596	582	557	546	570	568	566	555	552	555	558
Peanuts	98	97	106	61	73	74	74	74	74	74	74
Other Oilseeds	23	17	27	25	19	19	19	19	19	20	19
Other Commodities											
Upland Cotton	2,176	1,677	1,218	956	1,265	1,208	1,140	1,018	908	809	732
Sugar	0	0	0	0	0	0	0	0	0	0	0
Dairy	994	55	8	0	0	0	0	0	0	0	0
CCC Conservation											
Conservation Reserve	1,916	1,887	1,878	2,088	2,276	2,512	2,528	2,566	2,612	2,685	2,801
Other CCC Conservation	10	23	17	14	12	1	1	1	1	1	1
Tobacco Trust Fund	1,130	960	960	780	960	960	0	0	0	0	0
Other											
Disaster Payments, NAP	155	100	100	100	100	100	100	100	100	100	100
Other Net Costs	367	1,086	1,255	1,003	881	806	793	786	785	793	795
Net CCC Outlays	11,561	10,381	10,033	8,634	9,885	9,945	8,917	8,829	8,743	8,723	8,777
NRCS Conservation	1,582	2,971	3,343	3,753	3,736	3,713	3,741	4,073	4,300	4,471	4,603
Supplemental Revenue (SURE)	0	1,147	600	600	600	600	600	600	600	600	600
Crop Insurance	7,962	5,187	8,449	6,193	8,862	9,042	9,204	9,367	9,452	9,584	9,688
Total Mandatory Outlays	21,105	19,686	22,424	19,180	23,083	23,300	22,462	22,869	23,096	23,378	23,668

Note: "NRCS Conservation" denotes mandatory spending on conservation programs authorized by the 2002 farm bill that is not included in

U.S. Cash Receipts from Farm Marketings

Cash receipts from sales of program crops (grains, oilseeds, cotton, and sugar) almost doubled between 2005 and 2008.

Prices of most program crops declined in calendar year 2009, resulting in lower cash receipts. Program crop receipts begin to rise again in 2012 because of increasing yields and prices for most crops.

Total receipts from sales of non-program crops (hay, fruits, nuts, vegetables, nursery crops, and other specialty crops) have shown less volatility than sales of program crops. Receipts from those crops are expected to rise after a very small dip in 2009.

Lower prices resulted in lower cash receipts for every major livestock category in 2009, with dairy experiencing the largest decline.

Dairy and livestock receipts increase in 2010 and later years, as the assumed recovery in the U.S. and global economies leads to increased demand for animal products.

U.S. Cash Receipts from Farming

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Billion U.S. Dollars)										
Cash Receipts	285.01	299.38	309.67	321.13	327.63	334.59	342.41	349.82	356.77	364.66	371.70
Crops	166.25	168.48	169.01	174.14	178.55	183.41	188.66	193.40	197.63	202.14	205.81
Feed Grains and Hay	49.47	53.10	53.34	54.70	56.05	57.69	59.36	60.77	61.84	63.09	63.77
Corn	40.74	44.96	45.25	46.61	47.88	49.43	50.94	52.17	53.05	54.11	54.64
Sorghum	1.40	1.28	1.31	1.29	1.28	1.29	1.30	1.31	1.32	1.33	1.32
Barley	1.05	0.84	0.79	0.80	0.82	0.82	0.83	0.82	0.81	0.81	0.80
Oats	0.12	0.11	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11
Hay	6.10	5.83	5.81	5.83	5.89	5.97	6.11	6.29	6.48	6.66	6.83
Millet	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Food Grains	14.93	11.98	11.56	11.80	12.03	12.09	12.22	12.39	12.48	12.64	12.66
Wheat	11.79	9.40	9.53	9.82	10.03	10.07	10.19	10.36	10.45	10.57	10.55
Rice	3.12	2.56	2.01	1.96	1.98	1.99	2.01	2.01	2.01	2.04	2.09
Rye	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Oilseeds	32.93	31.67	30.17	31.58	32.37	33.21	34.13	34.97	35.84	36.68	37.37
Soybeans	30.68	29.85	28.23	29.57	30.34	31.16	32.03	32.83	33.67	34.47	35.12
Peanuts	1.11	0.94	1.06	1.11	1.12	1.14	1.16	1.18	1.19	1.21	1.22
Other	1.13	0.88	0.88	0.89	0.91	0.92	0.93	0.96	0.98	1.01	1.03
Cotton	3.81	4.91	5.33	5.40	5.50	5.63	5.80	5.97	6.15	6.32	6.50
Sugar	2.70	2.76	2.54	2.51	2.55	2.61	2.67	2.71	2.74	2.77	2.81
Other Crops *	62.42	64.07	66.07	68.15	70.04	72.17	74.48	76.61	78.58	80.63	82.71
Livestock and Products	118.75	130.90	140.66	146.99	149.08	151.18	153.75	156.42	159.13	162.52	165.89
Red Meats	57.27	61.43	67.48	71.23	71.33	71.45	71.82	72.43	73.31	74.61	75.90
Cattle, Calves	42.52	45.31	49.61	52.46	52.89	53.15	53.53	54.11	54.53	55.12	55.67
Hogs	14.32	15.69	17.43	18.34	18.00	17.86	17.85	17.88	18.34	19.06	19.79
Sheep, Lambs	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Dairy Products	24.06	30.88	32.58	33.35	34.09	34.90	35.86	36.72	37.42	38.22	39.07
Poultry, Eggs	32.63	33.50	35.26	36.89	38.05	39.14	40.27	41.36	42.39	43.54	44.64
Broilers	21.67	22.07	23.25	24.44	25.30	26.16	27.11	28.05	28.98	30.01	30.98
Turkeys	3.62	3.76	3.99	4.20	4.34	4.48	4.60	4.68	4.75	4.85	4.94
Chicken Eggs	6.49	6.89	7.31	7.61	7.85	8.02	8.16	8.30	8.40	8.51	8.63
Other Poultry	0.85	0.78	0.71	0.63	0.56	0.48	0.40	0.33	0.25	0.17	0.08
Other Livestock †	4.79	5.08	5.34	5.52	5.61	5.70	5.80	5.91	6.02	6.15	6.28
Government Payments	12.90	11.65	11.49	11.61	11.95	11.98	11.04	11.17	11.28	11.44	11.60
Cash Receipts + Payments	297.90	311.03	321.16	332.74	339.58	346.57	353.45	361.00	368.04	376.10	383.30

* Includes tobacco, vegetables and melons, fruits and tree nuts, and other crops.

† Includes horses, mules, and aquaculture.

U.S. Farm Production Expenses

Farm production expenses increased sharply between 2002 and 2008, primarily because of large increases in spending on fertilizer, fuel, and feed.

Lower prices for these key inputs resulted in lower farm expenditures in 2009. Fertilizer and fuel expenditures each declined by about \$6 billion in 2009. These reductions were partially offset by higher spending on seed, hired labor, and rental payments to non-operator landlords. Overall, farm production expenses declined by about \$9 billion in 2009.

Rising prices for energy and other inputs result in resumed growth in production expenses in 2010. All major expense categories increase over time, and total production expenses increase from \$281 billion in 2009 to \$352 billion in 2011.

The overall rate of increase in production expenses is roughly equal to the general rate of inflation in the U.S. economy, about 2% per year. This is a sharply lower rate of growth in production expenses than experienced between 2002 and 2008, when expenses increased at an average rate of 7% per year.

Production expenses will continue to be sensitive to any changes in energy prices and interest rates, as well as to all the factors that determine agricultural production and commodity prices.

U.S. Farm Production Expenses

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Billion U.S. Dollars)										
Farm-Origin Inputs	77.56	78.21	80.57	83.22	84.75	86.38	87.97	89.38	90.42	91.62	92.56
Feed	44.27	42.98	43.07	43.93	44.68	45.62	46.55	47.35	47.97	48.63	49.08
Purchased Livestock	16.10	17.11	18.82	20.08	20.29	20.44	20.50	20.61	20.59	20.68	20.79
Seed	17.19	18.12	18.68	19.21	19.78	20.32	20.92	21.41	21.85	22.30	22.69
Manufactured Inputs	43.74	44.85	47.74	49.24	50.50	51.85	53.88	55.26	56.15	57.03	57.65
Fertilizer, Lime	16.36	15.63	16.62	17.02	17.37	17.86	18.81	19.28	19.51	19.79	20.10
Petroleum Fuel, Oils	10.57	11.60	12.77	13.36	13.82	14.30	14.95	15.52	15.86	16.15	16.18
Electricity	4.68	4.77	4.96	5.08	5.20	5.33	5.51	5.66	5.79	5.91	6.01
Pesticides	12.13	12.85	13.40	13.77	14.11	14.36	14.61	14.80	14.98	15.18	15.36
Interest Charges	15.29	16.32	17.57	18.91	19.75	21.26	22.17	22.78	23.28	23.76	24.22
Short-Term Interest	6.57	7.06	7.82	8.64	9.02	9.91	10.31	10.50	10.65	10.80	10.93
Real Estate Interest	8.72	9.26	9.75	10.27	10.73	11.35	11.86	12.27	12.63	12.97	13.30
Other Operating Exp.	92.35	94.48	97.30	99.17	101.55	104.14	107.13	109.88	112.45	115.07	117.47
Repair, Operation of Capital Items	14.72	15.06	15.42	15.66	16.03	16.45	16.88	17.29	17.71	18.14	18.56
Contract, Hired Labor	30.55	31.15	31.82	32.24	33.04	34.03	35.13	36.21	37.31	38.45	39.58
Machine Hire											
Custom Work	3.87	3.99	4.11	4.18	4.28	4.37	4.48	4.59	4.70	4.82	4.95
Marketing, Storage, and Transportation	10.07	10.51	11.04	11.38	11.65	11.92	12.25	12.54	12.77	12.98	13.11
Miscellaneous	33.14	33.76	34.92	35.70	36.55	37.37	38.40	39.25	39.96	40.67	41.27
Other Overhead Exp.	51.78	52.42	53.03	53.68	54.58	55.53	56.31	57.04	57.88	58.85	59.89
Capital Consumption	29.84	30.50	31.02	31.47	31.88	32.34	32.75	33.13	33.52	33.96	34.46
Property Taxes	11.25	11.68	12.07	12.43	12.76	13.07	13.35	13.62	13.87	14.12	14.38
Rent to Nonoperators	10.69	10.23	9.94	9.78	9.94	10.13	10.22	10.30	10.49	10.77	11.05
Production Expenses	280.71	286.29	296.20	304.22	311.13	319.17	327.47	334.33	340.18	346.33	351.79
Noncash Expenses	27.60	28.26	28.78	29.23	29.65	30.11	30.52	30.91	31.31	31.75	32.25
Labor Perquisites	0.75	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79
Net Cap Consumption	26.85	27.51	28.03	28.48	28.89	29.35	29.76	30.14	30.53	30.97	31.47
Op. Dwelling Expenses	5.29	5.33	5.43	5.54	5.65	5.75	5.85	5.94	6.03	6.13	6.23
Cash Expenses	247.82	252.70	261.99	269.45	275.83	283.30	291.09	297.48	302.84	308.44	313.30

U.S. Prices Paid by Farmers

Strong demand caused by high crop prices and production, high energy prices, and a variety of other factors contributed to the sharp increase in fertilizer prices in 2008. Fuel and fertilizer prices retreated in 2009 in part as a result of lower farm commodity prices and the sharp drop in energy prices.

Projected fuel prices increase with oil prices after 2009. Fertilizer prices drop slightly in 2010 but then generally increase with energy prices.

Prices paid for all farm production items dipped in 2009, but they increase at an average pace of about 2% per year between 2010 and 2019.

Fuel prices remain a major source of uncertainty in the baseline. Changes in petroleum and natural gas prices directly affect fuel and energy costs to producers and have at least secondary effects on many other cost categories.

U.S. Indices of Prices Paid by Farmers

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Production, Interest, Taxes and Wages											
											(1990-92=100)
Production Items	179	177	190	192	191	197	213	202	200	208	215
Feed	187	176	176	179	182	187	190	191	190	190	190
Livestock & Poultry	115	123	130	134	135	136	136	137	138	139	140
Seeds	299	287	356	370	350	351	454	384	353	345	371
Fertilizer	289	241	251	261	232	258	294	264	264	327	316
Mixed Fertilizer	280	232	251	263	236	254	270	252	269	268	286
Nitrogen Fertilizer	274	233	229	235	204	245	313	266	242	399	347
Potash and Phosph.	363	284	307	327	291	308	314	290	311	303	319
Agricultural Chemicals	146	159	172	171	180	178	196	173	178	174	190
Herbicides	140	154	165	163	172	171	187	164	174	167	179
Insecticides	154	163	175	172	180	178	189	173	167	174	198
Fungicides/Other	161	174	190	199	208	201	232	208	206	201	218
Fuels	228	219	238	248	241	319	286	306	304	313	293
Supplies & Repairs	157	161	170	167	174	173	191	182	175	181	187
Farm Supplies	153	158	167	163	170	167	185	174	168	168	170
Repairs	159	162	172	170	176	176	194	186	179	187	195
Autos & Trucks	110	125	128	124	128	128	131	117	124	117	127
Farm Machinery	223	214	245	249	244	250	278	249	240	267	295
Building Materials	163	166	178	179	186	184	194	190	191	190	197
Farm Services	148	155	162	165	169	167	178	176	176	183	195
Rent	160	167	187	172	167	169	198	183	180	186	202
Interest *	154	146	167	191	206	220	230	239	246	220	232
Taxes †	234	220	250	270	267	256	282	265	251	258	284
Wage Rates	187	186	212	210	207	204	227	202	186	213	245

* Interest per acre on farm real estate debt and interest rate on farm non-real estate debt.

† Farm real estate taxes payable per acre.

U.S. Indices of Prices Paid by Farmers (percent change)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Production, Interest, Taxes and Wages											
											(Percentage Change)
Production Items	-4.7	-1.5	7.6	1.0	-0.6	3.2	8.4	-5.1	-1.2	3.9	3.5
Feed	-3.8	-5.4	-0.4	1.9	1.5	2.6	1.6	0.6	-0.2	-0.1	-0.2
Livestock & Poultry	-7.4	7.2	5.2	3.4	1.0	0.6	0.2	0.3	0.8	0.9	0.9
Seeds	15.5	-4.0	23.8	3.9	-5.3	0.2	29.4	-15.3	-8.2	-2.1	7.4
Fertilizer	-26.3	-16.5	4.0	4.1	-11.2	11.6	13.7	-10.3	0.3	23.7	-3.5
Mixed Fertilizer	-26.0	-16.9	8.1	4.8	-10.3	7.6	6.3	-6.7	6.7	-0.1	6.5
Nitrogen Fertilizer	-26.6	-14.8	-1.7	2.4	-13.3	20.2	27.7	-15.1	-8.7	64.5	-12.9
Potash and Phosph.	-26.3	-21.7	8.0	6.5	-10.9	5.7	2.0	-7.7	7.4	-2.8	5.3
Agricultural Chemicals	5.2	8.8	7.9	-0.5	5.4	-1.2	10.0	-11.7	2.8	-2.0	8.9
Herbicides	7.6	9.9	7.3	-1.5	6.0	-0.6	9.4	-12.7	6.3	-3.9	6.8
Insecticides	-1.3	5.7	7.8	-1.7	4.2	-0.9	6.5	-8.6	-3.4	3.8	13.9
Fungicides/Other	7.5	7.9	9.2	5.0	4.3	-3.4	15.5	-10.3	-1.2	-2.1	8.4
Fuels	-33.8	-3.8	8.6	4.3	-3.1	32.8	-10.4	6.8	-0.6	3.0	-6.5
Supplies & Repairs	1.8	2.4	5.9	-1.6	3.9	-0.5	10.2	-4.5	-3.7	3.2	3.3
Farm Supplies	2.7	3.4	5.6	-2.5	4.3	-1.7	10.6	-6.0	-3.3	0.3	0.9
Repairs	1.7	1.9	6.1	-1.2	3.6	0.1	10.0	-3.9	-4.0	4.6	4.4
Autos & Trucks	1.5	13.9	2.6	-3.5	3.3	0.0	2.5	-10.7	6.3	-5.9	8.9
Farm Machinery	6.6	-3.9	14.4	1.7	-2.0	2.5	11.2	-10.5	-3.4	10.9	10.6
Building Materials	-1.2	1.9	7.1	0.6	3.9	-1.1	5.5	-2.0	0.8	-0.9	3.6
Farm Services	1.4	4.7	4.5	1.7	2.8	-1.3	6.3	-1.0	0.3	3.9	6.4
Rent	3.9	4.5	12.1	-8.4	-2.6	1.1	17.4	-7.6	-1.7	3.2	8.8
Interest *	9.2	-5.5	14.8	14.0	7.8	7.3	4.5	3.9	2.9	-10.7	5.4
Taxes †	10.4	-6.1	13.8	8.0	-1.1	-4.3	10.5	-6.3	-5.2	2.8	10.3
Wage Rates	2.2	-0.6	13.8	-0.8	-1.6	-1.0	10.8	-11.0	-7.7	14.6	14.9

* Interest per acre on farm real estate debt and interest rate on farm non-real estate debt.

† Farm real estate taxes payable per acre.

U.S. Net Farm Income

Net farm income fell by more than \$30 billion in 2009, as the large decline in cash receipts far outweighed a modest reduction in production expenses. Projected net farm income increases in 2010 and 2011, largely because of a stronger livestock sector outlook.

Uncertainty around these projections is great. U.S. and global economic growth, energy prices, the weather, and other factors could result in a very different picture.

Gross cash income (sales receipts and government payments) fell sharply in 2009 but begins to recover in 2010 because of higher livestock receipts. Cash expenses also begin to increase again in 2010.

Net cash income, the difference between gross cash income and cash expenses, begins to increase again in 2010 but remains well below the 2008 peak level.

Both crop and livestock sales receipts declined in 2009. Livestock receipts resume their increase in 2010, while crop receipts are fairly constant for 2009 to 2011.

Government payments in the projection are a modest share of gross farm income.

Adjusting for inflation, real net farm income is relatively flat after 2012 and remains far below the 2008 level.

U.S. Farm Income Statistics

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Billion U.S. Dollars)										
1. Farm Receipts	305.70	321.64	333.17	345.09	352.06	359.47	367.78	375.55	382.87	391.15	398.49
Crops	166.25	168.48	169.01	174.14	178.55	183.41	188.66	193.40	197.63	202.14	205.81
Livestock	118.75	130.90	140.66	146.99	149.08	151.18	153.75	156.42	159.13	162.52	165.89
Farm-Related *	20.69	22.26	23.50	23.96	24.43	24.88	25.36	25.73	26.11	26.49	26.79
2. Government Payments	12.90	11.65	11.49	11.61	11.95	11.98	11.04	11.17	11.28	11.44	11.60
3. Gross Cash Income (1 + 2)	318.60	333.29	344.66	356.70	364.01	371.45	378.81	386.73	394.15	402.59	410.09
4. Nonmoney Income	20.32	20.46	21.00	21.64	22.19	22.74	23.18	23.57	23.96	24.40	24.89
5. Value of Inventory Change	-1.84	-1.61	-0.02	0.35	0.80	1.04	0.99	0.99	0.87	0.80	0.66
6. Gross Farm Income (3 + 4 + 5)	337.08	352.13	365.63	378.68	386.99	395.23	402.99	411.28	418.98	427.79	435.64
7. Cash Expenses †	247.82	252.70	261.99	269.45	275.83	283.30	291.09	297.48	302.84	308.44	313.30
8. Total Expenses	280.71	286.29	296.20	304.22	311.13	319.17	327.47	334.33	340.18	346.33	351.79
9. Net Cash Income (3 - 7)	70.77	80.59	82.66	87.25	88.17	88.15	87.72	89.24	91.31	94.15	96.79
10. Realized Net Farm Income (3 + 4 - 8)	58.21	67.46	69.46	74.11	75.07	75.02	74.53	75.96	77.93	80.67	83.19
11. Net Farm Income (6 - 8)	56.37	65.84	69.43	74.46	75.86	76.06	75.52	76.95	78.80	81.47	83.85
Deflated (2009 \$) ‡	56.37	65.16	67.61	71.46	71.48	70.40	68.61	68.67	69.03	70.05	70.84

* Income from machine hire, custom work, sales of forest products, and other miscellaneous cash sources.

† Excludes capital consumption, perquisites to hired labor, and farm household expenses.

‡ Deflated by the GNP price deflator, 1997=1.

U.S. Crop Insurance

For the first time since 2006, crop insurance acreage failed to expand. The number of net acres insured in 2009 fell to 264.58 million acres. Although more crops and areas are being covered by crop insurance, the drop in acreage reflects a decline in participation in coverage for pasture and rangeland. However, this acreage reduction is expected to be a short-lived occurrence as covered area is projected to increase over the next few years.

Total premiums declined to \$8.94 billion in 2009, as several insurance prices fell from their lofty 2008 levels. Projected prices over the next decade suggest that crop insurance premiums and liabilities will remain higher than historical averages. The continuation of relatively higher crop prices over the projection period will likely keep total premium levels in the \$9 billion to \$10 billion range.

Premium subsidies fell to \$5.42 billion in 2009. As with premiums, the lower crop prices coincide with lower premium subsidy levels. But there were also significant changes in subsidy rates for 2009 based on insurance unit structure. Producers shifted their coverage to maintain premium subsidies, resulting in premium subsidies falling less dramatically than premiums. Over the projection period, premium subsidies are expected to increase to over \$6 billion.

Despite the planting and harvesting issues producers faced in 2009, the 2009 crop year marked the seventh year in a row in which premiums exceeded indemnities. Over the projection period, total indemnities follow a pattern similar to that of total premiums. Loss ratios of one indicate that “actuarially fair” premiums are being charged for the insurance products. These projections show that, overall, federal crop insurance will meet the loss ratio targets set by Congress.

Total obligations represent the federal government’s financial responsibility to crop insurance. They are the costs for crop insurance before considering any crop insurance revenues. Total obligations are equal to the sum of indemnities, delivery expenses, administrative and operating expenses, agent commissions, and other expenses. Total obligations for FY 2011 and beyond are projected to reach between \$12 billion and \$13 billion.

Net outlays take underwriting costs and crop insurance revenues into account. Net outlays are estimated to average nearly \$9 billion from FY 2011 to FY 2019. Outlays are expected to rise until 2012 when the crop insurance premium timing is shifted forward, as required by the 2008 farm bill.

Budget authority is the amount the law allows the federal government to spend on a program. For crop insurance, it represents net outlays on a crop-year basis. Budget authority for FY 2011 is projected at \$8 billion. Budget authority projections follow a pattern similar to that of net outlays.

WORLD WHEAT

World Wheat

The world wheat price decreases to \$216.08 per mt in 2009/10 because of larger crop production in key importing countries, which lowers import demand. It is projected to decrease again in 2010/11. With an average annual growth rate of 0.34% over the next 10 years, the wheat price reaches \$222.72 per mt in 2019/20. The stocks-to-use ratio increased to 30.4% in 2009/10. It is projected to fall to 28.9% in 2010/11 and to decline throughout the projection period as consumption increases. It reaches 26.4% by 2019/20.

World wheat area increased by 0.75 mha in 2009/10. It decreases in 2010/11 and 2011/12 and increases slightly through the remainder of the projection period. In 2009/10, world wheat production declined despite an area increase because of a decline in yields. Production increases starting in 2010/11 and reaches 718.8 mmt in 2019/20. Yield growth is the major factor in increasing wheat production over the next 10 years. Consumption grows 1.07% annually on average, reaching 717.9 mmt in 2019/20.

World wheat net trade decreases in 2009/10 to 97.9 mmt because of larger crops in key wheat importing countries. It increases to 103.1 mmt in 2010/11. Net trade grows 1.63% annually on average, reaching 115 mmt in 2019/20.

Record yields and more planted area increased EU wheat production and net exports in 2008/09. Production declined in 2009/10 with decreases in area and yields. Food and industrial use reaches 81 mmt by 2019/20, while feed use reaches 62.8 mmt. Net exports decline to 11.3 mmt in 2010/11 and reach 12.6 mmt in 2019/20.

An increase in area allows Argentine wheat production and net exports to rise in 2010/11. In Argentina, production growth comes from yield growth and a modest area increase over the next 10 years. Production reaches 15.2 mmt in 2019/20. Aided by the production growth and a meager consumption increase, Argentine net exports reach 9.5 mmt in 2019/20.

A decline in wheat area drops Canadian production to 24.7 mmt and reduces net exports to 16.0 mmt in 2010/11. Net exports reach 16.1 mmt by 2019/20. Consumption reaches 9.0 mmt in 2019/20, driven by growth in feed use and demand by the ethanol sector.

An increase in yields pushes Australian production up to 24.1 mmt in 2010/11 and to 26.6 mmt in 2019/20. Production grows more than consumption, and net exports reach 18.4 mmt in 2019/20.

Net imports of Asian countries decline by 2.3 mmt over the next 10 years as production increases. China remains a net exporter of wheat, with net exports reaching 2.98 mmt in 2019/20. Japan's net imports reach 5 mmt in 2019/20. India and Pakistan become small net exporters of wheat in 2010/11 and are projected to remain small net exporters over the next 10 years.

Wheat production in Brazil decreased in 2009/10 to 5.0 mmt because of a decline in yields. It is projected to increase to 5.2 mmt in 2010/11 and to increase moderately throughout the projection period. Consumption grows 1.2% annually on average, reaching 12.1 mmt in 2019/20 because of population growth. Brazil's wheat net imports reach 6.2 mmt in 2019/20. Mexican wheat net imports decrease slightly in 2009/10 since production increases more than consumption. Net imports reach 3.7 mmt in 2019/20. Rising per capita consumption, combined with population growth, is the main source of the demand increase.

Population growth drives the increase in consumption and net imports in African and Middle Eastern countries, as their per capita consumption is projected to decline over the next 10 years. Their wheat net imports reach 59.8 mmt in 2019/20. Egypt's net imports reach 11.65 mmt in 2019/20 with an increase in food use. Algerian net imports reach 6.95 mmt in 2019/20.

Wheat Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	2,495	7,623	8,013	8,368	8,651	8,813	8,828	8,866	9,026	9,218	9,539
Australia	14,925	16,281	16,750	16,816	17,382	17,549	17,671	17,743	17,952	18,157	18,384
Canada	18,100	15,958	15,607	15,637	15,944	16,084	16,030	16,020	16,069	16,103	16,087
European Union	12,500	11,288	11,785	12,477	12,497	12,618	12,805	12,602	12,807	12,874	12,554
Other CIS *	3,325	2,929	2,104	2,272	2,361	2,554	2,723	2,926	3,057	3,082	3,337
Russia	17,800	15,083	14,979	15,168	15,636	16,438	16,805	17,281	17,582	17,986	18,563
Ukraine	8,900	8,404	8,715	9,459	9,666	9,901	10,367	10,595	10,835	11,009	11,260
United States	19,483	22,668	23,622	22,273	22,205	21,611	21,554	21,591	21,387	21,445	20,964
Total Net Exports †	97,928	103,085	104,387	105,656	107,308	108,979	110,386	111,167	112,725	113,790	115,001
Net Importers											
Algeria	5,275	6,504	6,201	6,271	6,344	6,465	6,556	6,633	6,746	6,862	6,952
Brazil	4,700	5,728	5,773	5,802	5,834	5,922	5,944	5,941	6,019	6,079	6,192
China	-400	-2,167	-2,184	-2,486	-2,137	-2,372	-2,402	-2,335	-2,655	-2,707	-2,988
Egypt	8,790	9,714	9,833	10,121	10,338	10,584	10,800	11,006	11,224	11,422	11,648
India	50	-385	-347	-189	-210	-431	-586	-562	-696	-618	-667
Iran	4,450	1,913	2,062	2,172	2,214	2,236	2,188	2,148	2,175	2,145	2,161
Japan	4,875	5,364	5,342	5,228	5,184	5,162	5,130	5,101	5,080	5,067	5,048
Mexico	1,900	2,605	3,100	3,013	3,125	3,122	3,233	3,324	3,434	3,554	3,686
Morocco	1,700	4,082	4,190	4,293	4,369	4,487	4,641	4,685	4,824	4,903	4,992
Other Africa/Middle East	28,133	27,716	28,123	28,653	29,529	30,049	30,692	30,970	31,668	31,829	31,979
Other Asia	18,025	17,678	17,741	17,862	18,000	18,276	18,337	18,355	18,372	18,614	18,857
Other Eastern Europe ‡	700	789	823	814	804	815	821	819	819	820	827
Other Latin America	8,263	8,596	8,644	8,741	8,807	8,949	9,044	9,122	9,224	9,310	9,400
Pakistan	0	-298	-280	-510	-619	-609	-615	-648	-657	-591	-658
South Korea	3,600	3,920	4,007	4,079	4,126	4,172	4,184	4,184	4,179	4,156	4,140
Taiwan	1,075	1,136	1,132	1,147	1,155	1,170	1,176	1,186	1,195	1,202	1,215
Tunisia	1,400	1,752	1,777	1,824	1,836	1,887	1,917	1,946	1,986	2,014	2,052
Rest of World	1,525	2,121	2,171	2,167	2,176	2,217	2,255	2,278	2,313	2,347	2,385
Residual	3,467	3,467	3,467	3,467	3,467	3,467	3,467	3,467	3,467	3,467	3,467
Total Net Imports	97,928	103,085	104,387	105,656	107,308	108,979	110,386	111,167	112,725	113,790	115,001
Wheat Prices	(U.S. Dollars per Metric Ton)										
U.S. FOB Gulf	216.08	201.17	208.16	211.50	215.63	215.43	219.21	221.51	222.26	224.81	222.72
Canadian Wheat Board	199.88	188.81	194.56	197.67	201.02	200.47	203.09	205.09	205.94	208.07	206.37
AWB Limited Export Quote	199.36	185.56	191.18	194.17	197.75	197.67	200.88	202.92	203.61	205.79	204.06
European Union Market	156.73	190.95	194.06	188.59	192.54	187.56	186.31	194.91	191.52	190.34	201.02

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan.

† Total net exports are the sum of all positive net exports and negative net imports.

‡ Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Serbia, Montenegro.

World Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	225,710	220,901	220,105	221,086	221,591	222,165	222,349	222,680	223,291	223,800	224,393
	(Metric Tons per Hectare)										
Yield	3.00	2.97	3.02	3.05	3.07	3.09	3.11	3.14	3.16	3.18	3.20
	(Thousand Metric Tons)										
Production	676,353	656,870	663,998	673,565	679,762	686,982	692,245	698,240	705,518	710,826	718,778
Beginning Stocks	165,140	196,006	191,092	188,617	188,884	189,373	189,366	188,666	188,576	188,897	188,409
Domestic Supply	841,493	852,876	855,090	862,182	868,646	876,355	881,611	886,906	894,094	899,723	907,187
Feed Use	110,755	114,431	114,698	115,415	116,042	117,952	118,836	119,646	120,686	121,748	123,227
Food and Other	534,733	547,353	551,775	557,883	563,231	569,036	574,109	578,684	584,511	589,566	594,684
Ending Stocks	196,006	191,092	188,617	188,884	189,373	189,366	188,666	188,576	188,897	188,409	189,276
Domestic Use	841,493	852,876	855,090	862,182	868,646	876,355	881,611	886,906	894,094	899,723	907,187
Trade *	97,928	103,085	104,387	105,656	107,308	108,979	110,386	111,167	112,725	113,790	115,001
	(Percent)										
Stocks-to-Use Ratio	30.37	28.88	28.30	28.05	27.88	27.56	27.23	27.00	26.79	26.49	26.36

* Excludes intraregional trade.

U.S. Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	20,181	18,435	18,885	18,916	18,869	18,731	18,562	18,506	18,419	18,331	18,249
	(Metric Tons per Hectare)										
Yield	2.99	2.90	2.96	2.98	3.00	3.02	3.05	3.07	3.10	3.12	3.14
	(Thousand Metric Tons)										
Production	60,314	53,552	55,885	56,369	56,661	56,638	56,565	56,865	57,064	57,201	57,297
Beginning Stocks	17,867	26,201	22,573	20,359	19,837	19,632	19,621	19,446	19,385	19,403	19,350
Domestic Supply	78,181	79,749	78,458	76,729	76,497	76,271	76,186	76,311	76,449	76,604	76,647
Feed Use	4,831	6,170	5,902	5,775	5,575	5,684	5,586	5,475	5,524	5,404	5,481
Food and Other	27,671	28,341	28,574	28,844	29,084	29,354	29,601	29,860	30,136	30,404	30,723
Ending Stocks	26,201	22,573	20,359	19,837	19,632	19,621	19,446	19,385	19,403	19,350	19,479
Domestic Use	58,699	57,084	54,835	54,455	54,292	54,659	54,632	54,720	55,062	55,159	55,683
Net Trade	19,483	22,668	23,622	22,273	22,205	21,611	21,554	21,591	21,387	21,445	20,964

Algerian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	2,100	1,802	1,784	1,787	1,785	1,779	1,770	1,766	1,766	1,761	1,757
	(Metric Tons per Hectare)										
Yield	1.67	1.47	1.48	1.50	1.52	1.53	1.54	1.55	1.55	1.54	1.56
	(Thousand Metric Tons)										
Production	3,500	2,641	2,642	2,679	2,707	2,723	2,725	2,736	2,740	2,712	2,745
Beginning Stocks	2,054	2,079	2,502	2,515	2,551	2,578	2,609	2,621	2,627	2,638	2,644
Domestic Supply	5,554	4,720	5,144	5,194	5,258	5,301	5,334	5,357	5,367	5,350	5,389
Feed Use	50	50	50	50	50	50	50	50	50	50	50
Food and Other	8,700	8,673	8,781	8,864	8,973	9,107	9,220	9,313	9,425	9,518	9,631
Ending Stocks	2,079	2,502	2,515	2,551	2,578	2,609	2,621	2,627	2,638	2,644	2,660
Domestic Use	10,829	11,224	11,345	11,465	11,601	11,766	11,891	11,990	12,113	12,212	12,341
Net Trade	-5,275	-6,504	-6,201	-6,271	-6,344	-6,465	-6,556	-6,633	-6,746	-6,862	-6,952

Argentine Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	2,850	4,637	4,745	4,829	4,893	4,923	4,893	4,873	4,881	4,874	4,900
	(Metric Tons per Hectare)										
Yield	2.81	2.82	2.84	2.86	2.89	2.91	2.94	2.96	2.99	3.04	3.10
	(Thousand Metric Tons)										
Production	8,000	13,098	13,482	13,835	14,126	14,333	14,368	14,419	14,614	14,819	15,208
Beginning Stocks	426	951	1,031	1,032	1,034	1,036	1,042	1,043	1,046	1,049	1,048
Domestic Supply	8,426	14,049	14,513	14,866	15,160	15,369	15,410	15,462	15,660	15,868	16,256
Feed Use	80	81	82	83	83	83	84	85	86	88	90
Food and Other	4,900	5,314	5,386	5,381	5,390	5,431	5,455	5,465	5,498	5,514	5,574
Ending Stocks	951	1,031	1,032	1,034	1,036	1,042	1,043	1,046	1,049	1,048	1,053
Domestic Use	5,931	6,426	6,500	6,498	6,509	6,556	6,582	6,596	6,633	6,650	6,717
Net Trade	2,495	7,623	8,013	8,368	8,651	8,813	8,828	8,866	9,026	9,218	9,539

Australian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	13,800	13,611	13,634	13,581	13,785	13,843	13,843	13,841	13,863	13,884	13,910
	(Metric Tons per Hectare)										
Yield	1.63	1.77	1.78	1.80	1.81	1.83	1.84	1.86	1.88	1.89	1.91
	(Thousand Metric Tons)										
Production	22,500	24,056	24,292	24,392	25,016	25,315	25,536	25,712	26,028	26,304	26,633
Beginning Stocks	3,144	3,619	4,102	4,225	4,305	4,349	4,402	4,438	4,475	4,518	4,549
Domestic Supply	25,644	27,675	28,395	28,617	29,321	29,665	29,938	30,150	30,503	30,822	31,183
Feed Use	4,000	4,127	4,234	4,290	4,373	4,475	4,575	4,663	4,743	4,807	4,863
Food and Other	3,100	3,165	3,187	3,205	3,217	3,238	3,255	3,268	3,290	3,309	3,339
Ending Stocks	3,619	4,102	4,225	4,305	4,349	4,402	4,438	4,475	4,518	4,549	4,597
Domestic Use	10,719	11,394	11,645	11,801	11,939	12,115	12,267	12,407	12,551	12,665	12,799
Net Trade	14,925	16,281	16,750	16,816	17,382	17,549	17,671	17,743	17,952	18,157	18,384

Brazilian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	2,428	2,434	2,438	2,439	2,438	2,437	2,435	2,433	2,431	2,430	2,428
					(Metric Tons per Hectare)						
Yield	2.07	2.12	2.15	2.19	2.22	2.26	2.29	2.34	2.37	2.39	2.42
					(Thousand Metric Tons)						
Production	5,026	5,156	5,248	5,344	5,421	5,498	5,580	5,691	5,758	5,810	5,875
Beginning Stocks	2,423	1,482	1,348	1,302	1,282	1,269	1,266	1,258	1,252	1,251	1,248
Domestic Supply	7,449	6,638	6,596	6,646	6,703	6,767	6,846	6,949	7,011	7,062	7,123
Feed Use	644	667	680	692	706	721	733	747	760	776	795
Food and Other	10,023	10,351	10,387	10,473	10,562	10,701	10,798	10,891	11,018	11,116	11,265
Ending Stocks	1,482	1,348	1,302	1,282	1,269	1,266	1,258	1,252	1,251	1,248	1,255
Domestic Use	12,149	12,366	12,369	12,448	12,536	12,688	12,790	12,891	13,030	13,141	13,315
Net Trade	-4,700	-5,728	-5,773	-5,802	-5,834	-5,922	-5,944	-5,941	-6,019	-6,079	-6,192

Canadian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	9,500	8,884	8,580	8,531	8,596	8,619	8,553	8,543	8,568	8,567	8,576
					(Metric Tons per Hectare)						
Yield	2.79	2.78	2.79	2.82	2.83	2.85	2.87	2.89	2.90	2.92	2.94
					(Thousand Metric Tons)						
Production	26,500	24,664	23,961	24,024	24,355	24,591	24,542	24,659	24,868	25,012	25,219
Beginning Stocks	6,556	7,656	8,290	8,404	8,492	8,512	8,523	8,456	8,463	8,535	8,574
Domestic Supply	33,056	32,320	32,252	32,428	32,846	33,103	33,065	33,115	33,331	33,547	33,794
Feed Use	2,400	3,056	3,117	3,139	3,163	3,185	3,190	3,165	3,151	3,195	3,238
Food and Other	4,900	5,015	5,124	5,160	5,228	5,311	5,389	5,467	5,576	5,676	5,804
Ending Stocks	7,656	8,290	8,404	8,492	8,512	8,523	8,456	8,463	8,535	8,574	8,665
Domestic Use	14,956	16,362	16,645	16,792	16,903	17,020	17,035	17,095	17,262	17,445	17,707
Net Trade	18,100	15,958	15,607	15,637	15,944	16,084	16,030	16,020	16,069	16,103	16,087

Chinese Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	24,000	22,941	22,608	22,641	22,635	22,551	22,466	22,434	22,494	22,438	22,450
	(Metric Tons per Hectare)										
Yield	4.77	4.69	4.70	4.72	4.73	4.75	4.76	4.79	4.80	4.81	4.83
	(Thousand Metric Tons)										
Production	114,500	107,537	106,302	106,871	107,106	107,086	107,005	107,384	107,917	107,846	108,405
Beginning Stocks	48,685	60,785	60,701	60,018	60,019	60,006	59,580	58,862	58,819	58,750	58,393
Domestic Supply	163,185	168,322	167,003	166,889	167,125	167,092	166,585	166,246	166,737	166,596	166,798
Feed Use	5,000	6,898	7,099	7,339	7,532	7,753	7,963	8,162	8,373	8,565	8,761
Food and Other	97,000	98,556	97,701	97,045	97,450	97,386	97,357	96,930	96,959	96,931	96,730
Ending Stocks	60,785	60,701	60,018	60,019	60,006	59,580	58,862	58,819	58,750	58,393	58,319
Domestic Use	162,785	166,155	164,819	164,403	164,989	164,720	164,183	163,911	164,081	163,889	163,810
Net Trade	400	2,167	2,184	2,486	2,137	2,372	2,402	2,335	2,655	2,707	2,988

Egyptian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	1,220	1,206	1,205	1,209	1,211	1,213	1,213	1,215	1,217	1,220	1,221
	(Metric Tons per Hectare)										
Yield	6.48	6.57	6.67	6.77	6.87	6.97	7.06	7.16	7.26	7.36	7.46
	(Thousand Metric Tons)										
Production	7,900	7,929	8,040	8,182	8,316	8,450	8,570	8,700	8,838	8,973	9,106
Beginning Stocks	5,343	4,983	5,067	5,087	5,096	5,103	5,117	5,121	5,123	5,129	5,132
Domestic Supply	13,243	12,912	13,107	13,269	13,412	13,553	13,687	13,821	13,962	14,102	14,238
Feed Use	50	66	70	74	78	80	81	81	82	83	84
Food and Other	17,000	17,493	17,782	18,220	18,570	18,939	19,286	19,623	19,974	20,309	20,658
Ending Stocks	4,983	5,067	5,087	5,096	5,103	5,117	5,121	5,123	5,129	5,132	5,143
Domestic Use	22,033	22,626	22,940	23,390	23,751	24,137	24,488	24,828	25,185	25,524	25,886
Net Trade	-8,790	-9,714	-9,833	-10,121	-10,338	-10,584	-10,800	-11,006	-11,224	-11,422	-11,648

European Union Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	25,444	25,705	26,265	26,640	26,675	26,864	26,934	26,884	26,964	26,929	26,953
	(Metric Tons per Hectare)										
Yield	5.44	5.43	5.48	5.53	5.57	5.60	5.65	5.69	5.73	5.77	5.82
	(Thousand Metric Tons)										
Production	138,339	139,699	143,987	147,200	148,452	150,561	152,063	152,948	154,431	155,327	156,754
Beginning Stocks	18,337	17,176	16,238	16,547	16,796	16,820	16,937	17,093	17,061	17,261	17,340
Domestic Supply	156,676	156,875	160,225	163,747	165,248	167,380	169,000	170,040	171,492	172,588	174,094
Feed Use	59,000	58,156	58,471	58,831	59,283	60,397	60,743	61,071	61,431	61,980	62,808
Food and Other	68,000	71,193	73,422	75,643	76,648	77,428	78,359	79,307	79,993	80,393	80,977
Ending Stocks	17,176	16,238	16,547	16,796	16,820	16,937	17,093	17,061	17,261	17,340	17,755
Domestic Use	144,176	145,587	148,440	151,270	152,751	154,762	156,195	157,439	158,685	159,714	161,540
Net Trade	12,500	11,288	11,785	12,477	12,497	12,618	12,805	12,602	12,807	12,874	12,554

Indian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	27,800	27,502	27,800	27,994	28,132	28,144	28,346	28,441	28,541	28,713	28,861
	(Metric Tons per Hectare)										
Yield	2.90	2.77	2.85	2.88	2.91	2.94	2.96	2.98	3.03	3.06	3.10
	(Thousand Metric Tons)										
Production	80,580	76,042	79,092	80,710	81,882	82,778	83,796	84,889	86,409	87,911	89,526
Beginning Stocks	13,510	18,020	14,115	13,363	13,385	13,833	13,668	13,507	13,460	13,336	13,187
Domestic Supply	94,090	94,062	93,208	94,073	95,268	96,612	97,464	98,396	99,869	101,248	102,713
Feed Use	100	173	175	179	183	187	190	194	201	206	214
Food and Other	76,020	79,388	79,323	80,319	81,041	82,325	83,181	84,180	85,636	87,236	88,659
Ending Stocks	18,020	14,115	13,363	13,385	13,833	13,668	13,507	13,460	13,336	13,187	13,173
Domestic Use	94,140	93,677	92,860	93,884	95,057	96,180	96,877	97,834	99,173	100,629	102,046
Net Trade	-50	385	347	189	210	431	586	562	696	618	667

Iranian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	6,000	6,591	6,555	6,548	6,560	6,587	6,610	6,637	6,643	6,664	6,688
	(Metric Tons per Hectare)										
Yield	2.00	2.01	2.01	2.03	2.05	2.08	2.09	2.12	2.14	2.15	2.18
	(Thousand Metric Tons)										
Production	12,000	13,236	13,174	13,293	13,467	13,693	13,831	14,054	14,214	14,361	14,548
Beginning Stocks	3,907	4,157	4,489	4,636	4,696	4,701	4,706	4,695	4,686	4,687	4,684
Domestic Supply	15,907	17,393	17,662	17,929	18,164	18,394	18,537	18,749	18,901	19,048	19,232
Feed Use	300	323	331	334	333	333	332	332	332	332	333
Food and Other	15,900	14,494	14,757	15,071	15,344	15,591	15,698	15,879	16,057	16,178	16,362
Ending Stocks	4,157	4,489	4,636	4,696	4,701	4,706	4,695	4,686	4,687	4,684	4,698
Domestic Use	20,357	19,306	19,724	20,101	20,377	20,630	20,725	20,896	21,075	21,193	21,393
Net Trade	-4,450	-1,913	-2,062	-2,172	-2,214	-2,236	-2,188	-2,148	-2,175	-2,145	-2,161

Japanese Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	209	205	194	190	191	191	191	191	191	191	191
	(Metric Tons per Hectare)										
Yield	4.11	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07
	(Thousand Metric Tons)										
Production	843	789	772	778	777	777	776	777	778	778	778
Beginning Stocks	1,381	1,249	1,534	1,697	1,746	1,758	1,764	1,762	1,764	1,770	1,794
Domestic Supply	2,224	2,038	2,307	2,475	2,523	2,535	2,540	2,539	2,542	2,548	2,571
Feed Use	150	228	321	344	353	362	363	363	363	363	364
Food and Other	5,700	5,640	5,630	5,613	5,596	5,572	5,544	5,513	5,489	5,458	5,425
Ending Stocks	1,249	1,534	1,697	1,746	1,758	1,764	1,762	1,764	1,770	1,794	1,830
Domestic Use	7,099	7,402	7,648	7,703	7,708	7,698	7,670	7,641	7,623	7,615	7,620
Net Trade	-4,875	-5,364	-5,342	-5,228	-5,184	-5,162	-5,130	-5,101	-5,080	-5,067	-5,048

Mexican Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	870	796	703	724	714	736	732	732	734	730	730
	(Metric Tons per Hectare)										
Yield	4.94	5.00	5.06	5.10	5.14	5.17	5.21	5.25	5.29	5.33	5.38
	(Thousand Metric Tons)										
Production	4,300	3,985	3,562	3,694	3,666	3,808	3,819	3,845	3,883	3,889	3,924
Beginning Stocks	317	367	422	431	434	433	437	438	443	451	457
Domestic Supply	4,617	4,352	3,984	4,125	4,100	4,241	4,256	4,283	4,325	4,340	4,381
Feed Use	250	185	176	175	176	178	179	182	185	188	191
Food and Other	5,900	6,350	6,477	6,529	6,615	6,749	6,872	6,982	7,124	7,249	7,407
Ending Stocks	367	422	431	434	433	437	438	443	451	457	468
Domestic Use	6,517	6,957	7,084	7,138	7,224	7,363	7,489	7,607	7,759	7,894	8,067
Net Trade	-1,900	-2,605	-3,100	-3,013	-3,125	-3,122	-3,233	-3,324	-3,434	-3,554	-3,686

Moroccan Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	2,800	2,598	2,482	2,435	2,437	2,427	2,414	2,402	2,394	2,379	2,366
	(Metric Tons per Hectare)										
Yield	2.28	1.46	1.48	1.49	1.49	1.49	1.49	1.50	1.49	1.51	1.52
	(Thousand Metric Tons)										
Production	6,370	3,790	3,663	3,627	3,640	3,625	3,596	3,608	3,575	3,589	3,601
Beginning Stocks	784	1,204	1,371	1,426	1,448	1,463	1,479	1,492	1,504	1,524	1,542
Domestic Supply	7,154	4,994	5,034	5,052	5,089	5,088	5,075	5,100	5,079	5,112	5,143
Feed Use	150	174	184	188	190	191	193	194	195	197	199
Food and Other	7,500	7,531	7,615	7,709	7,805	7,904	8,032	8,087	8,184	8,277	8,372
Ending Stocks	1,204	1,371	1,426	1,448	1,463	1,479	1,492	1,504	1,524	1,542	1,564
Domestic Use	8,854	9,076	9,224	9,346	9,458	9,575	9,716	9,785	9,903	10,015	10,135
Net Trade	-1,700	-4,082	-4,190	-4,293	-4,369	-4,487	-4,641	-4,685	-4,824	-4,903	-4,992

Other African/Middle Eastern Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	14,763	15,378	15,461	15,503	15,524	15,702	15,836	15,930	15,986	16,244	16,347
	(Metric Tons per Hectare)										
Yield	2.10	2.13	2.16	2.20	2.22	2.25	2.28	2.32	2.36	2.38	2.41
	(Thousand Metric Tons)										
Production	30,987	32,765	33,375	34,119	34,521	35,363	36,105	36,921	37,787	38,586	39,423
Beginning Stocks	10,340	11,640	12,012	12,023	12,005	11,964	12,041	12,105	11,970	12,016	11,767
Domestic Supply	41,327	44,405	45,386	46,142	46,526	47,326	48,146	49,026	49,757	50,602	51,189
Feed Use	2,580	2,423	2,421	2,425	2,428	2,436	2,439	2,441	2,446	2,448	2,452
Food and Other	55,240	57,687	59,066	60,365	61,663	62,899	64,294	65,584	66,963	68,215	69,014
Ending Stocks	11,640	12,012	12,023	12,005	11,964	12,041	12,105	11,970	12,016	11,767	11,702
Domestic Use	69,460	72,121	73,510	74,795	76,054	77,376	78,839	79,996	81,426	82,430	83,168
Net Trade	-28,133	-27,716	-28,123	-28,653	-29,529	-30,049	-30,692	-30,970	-31,668	-31,829	-31,979

Other Asian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	3,933	3,708	3,696	3,717	3,716	3,718	3,751	3,798	3,900	3,933	3,978
	(Metric Tons per Hectare)										
Yield	1.79	1.65	1.65	1.66	1.66	1.66	1.66	1.67	1.67	1.65	1.66
	(Thousand Metric Tons)										
Production	7,050	6,115	6,116	6,186	6,166	6,176	6,242	6,328	6,496	6,504	6,621
Beginning Stocks	3,376	3,416	3,297	3,277	3,284	3,291	3,314	3,326	3,343	3,266	3,272
Domestic Supply	10,426	9,531	9,413	9,463	9,450	9,466	9,556	9,654	9,839	9,770	9,893
Feed Use	1,405	1,186	1,151	1,153	1,151	1,158	1,159	1,157	1,161	1,161	1,166
Food and Other	23,630	22,727	22,726	22,889	23,008	23,270	23,408	23,509	23,784	23,951	24,284
Ending Stocks	3,416	3,297	3,277	3,284	3,291	3,314	3,326	3,343	3,266	3,272	3,301
Domestic Use	28,451	27,209	27,154	27,325	27,449	27,742	27,893	28,009	28,211	28,384	28,750
Net Trade	-18,025	-17,678	-17,741	-17,862	-18,000	-18,276	-18,337	-18,355	-18,372	-18,614	-18,857

Other CIS Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	19,433	17,659	17,380	17,455	17,537	17,631	17,675	17,749	17,812	17,885	17,948
	(Metric Tons per Hectare)										
Yield	1.60	1.62	1.64	1.65	1.66	1.68	1.69	1.71	1.72	1.72	1.74
	(Thousand Metric Tons)										
Production	31,070	28,619	28,450	28,862	29,139	29,550	29,889	30,271	30,589	30,783	31,235
Beginning Stocks	6,971	8,716	8,112	8,021	8,023	8,041	8,070	8,089	8,108	8,127	8,142
Domestic Supply	38,041	37,335	36,561	36,883	37,162	37,592	37,959	38,360	38,696	38,910	39,376
Feed Use	5,725	5,783	5,832	5,903	5,989	6,085	6,175	6,267	6,363	6,461	6,568
Food and Other	20,275	20,511	20,605	20,685	20,770	20,883	20,973	21,060	21,148	21,226	21,309
Ending Stocks	8,716	8,112	8,021	8,023	8,041	8,070	8,089	8,108	8,127	8,142	8,163
Domestic Use	34,716	34,406	34,458	34,611	34,801	35,038	35,236	35,435	35,639	35,829	36,040
Net Trade	3,325	2,929	2,104	2,272	2,361	2,554	2,723	2,926	3,057	3,082	3,337

Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan.

Other Eastern European Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	495	488	473	472	475	477	475	475	476	475	476
	(Metric Tons per Hectare)										
Yield	3.38	3.40	3.42	3.44	3.45	3.47	3.48	3.50	3.51	3.52	3.54
	(Thousand Metric Tons)										
Production	1,675	1,659	1,619	1,625	1,641	1,653	1,654	1,661	1,672	1,672	1,683
Beginning Stocks	347	352	375	377	379	381	386	389	392	397	400
Domestic Supply	2,022	2,011	1,994	2,002	2,020	2,034	2,041	2,050	2,064	2,069	2,083
Feed Use	205	222	228	233	238	245	249	250	250	249	250
Food and Other	2,165	2,203	2,212	2,203	2,206	2,217	2,224	2,227	2,235	2,239	2,254
Ending Stocks	352	375	377	379	381	386	389	392	397	400	407
Domestic Use	2,722	2,800	2,817	2,816	2,824	2,848	2,862	2,869	2,883	2,889	2,911
Net Trade	-700	-789	-823	-814	-804	-815	-821	-819	-819	-820	-827

Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Serbia, Montenegro.

Other Latin American Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	1,642	1,651	1,630	1,620	1,628	1,628	1,622	1,618	1,618	1,614	1,612
	(Metric Tons per Hectare)										
Yield	2.49	2.51	2.53	2.55	2.56	2.57	2.59	2.60	2.62	2.62	2.65
	(Thousand Metric Tons)										
Production	4,094	4,146	4,119	4,130	4,170	4,192	4,199	4,214	4,235	4,235	4,266
Beginning Stocks	1,809	1,976	2,085	2,116	2,140	2,159	2,187	2,205	2,223	2,243	2,260
Domestic Supply	5,903	6,122	6,205	6,245	6,310	6,351	6,385	6,419	6,458	6,478	6,526
Feed Use	400	412	417	417	418	422	425	427	429	431	435
Food and Other	11,790	12,221	12,316	12,430	12,540	12,691	12,800	12,891	13,009	13,097	13,207
Ending Stocks	1,976	2,085	2,116	2,140	2,159	2,187	2,205	2,223	2,243	2,260	2,284
Domestic Use	14,166	14,718	14,849	14,987	15,117	15,299	15,429	15,540	15,682	15,788	15,926
Net Trade	-8,263	-8,596	-8,644	-8,741	-8,807	-8,949	-9,044	-9,122	-9,224	-9,310	-9,400

Pakistani Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	9,000	9,075	8,954	9,000	9,052	9,098	9,099	9,121	9,153	9,171	9,209
	(Metric Tons per Hectare)										
Yield	2.67	2.71	2.74	2.78	2.81	2.84	2.87	2.91	2.94	2.96	3.00
	(Thousand Metric Tons)										
Production	24,000	24,555	24,557	25,037	25,420	25,843	26,142	26,508	26,888	27,140	27,624
Beginning Stocks	1,869	2,569	2,760	2,751	2,740	2,737	2,771	2,786	2,806	2,834	2,852
Domestic Supply	25,869	27,124	27,317	27,788	28,160	28,581	28,914	29,294	29,695	29,973	30,476
Feed Use	400	412	410	409	408	410	411	411	412	412	413
Food and Other	22,900	23,654	23,875	24,129	24,396	24,790	25,102	25,429	25,792	26,118	26,516
Ending Stocks	2,569	2,760	2,751	2,740	2,737	2,771	2,786	2,806	2,834	2,852	2,889
Domestic Use	25,869	26,826	27,036	27,278	27,541	27,972	28,299	28,646	29,038	29,382	29,818
Net Trade	0	298	280	510	619	609	615	648	657	591	658

Russian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	28,750	27,085	26,160	26,167	26,007	26,090	26,031	26,145	26,229	26,301	26,403
	(Metric Tons per Hectare)										
Yield	2.15	2.12	2.14	2.15	2.17	2.19	2.22	2.23	2.23	2.24	2.26
	(Thousand Metric Tons)										
Production	61,700	57,372	56,076	56,210	56,414	57,257	57,660	58,186	58,572	59,022	59,639
Beginning Stocks	8,429	11,129	11,877	12,047	12,087	12,104	12,131	12,147	12,165	12,186	12,201
Domestic Supply	70,129	68,501	67,954	68,257	68,501	69,360	69,792	70,333	70,737	71,208	71,839
Feed Use	18,000	18,514	18,119	18,068	17,932	18,023	18,162	18,325	18,497	18,667	18,753
Food and Other	23,200	23,027	22,808	22,933	22,829	22,769	22,679	22,562	22,472	22,354	22,295
Ending Stocks	11,129	11,877	12,047	12,087	12,104	12,131	12,147	12,165	12,186	12,201	12,229
Domestic Use	52,329	53,418	52,975	53,089	52,865	52,923	52,987	53,052	53,154	53,222	53,276
Net Trade	17,800	15,083	14,979	15,168	15,636	16,438	16,805	17,281	17,582	17,986	18,563

South Korean Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	5	5	5	5	5	5	5	5	5	5	5
	(Metric Tons per Hectare)										
Yield	3.60	3.63	3.66	3.69	3.71	3.74	3.76	3.78	3.80	3.81	3.84
	(Thousand Metric Tons)										
Production	18	18	18	18	19	19	19	19	19	19	19
Beginning Stocks	1,087	1,005	1,035	1,056	1,068	1,074	1,079	1,081	1,083	1,085	1,087
Domestic Supply	1,105	1,023	1,053	1,074	1,087	1,092	1,098	1,100	1,102	1,104	1,107
Feed Use	1,500	1,633	1,703	1,766	1,810	1,843	1,855	1,853	1,841	1,816	1,787
Food and Other	2,200	2,276	2,301	2,320	2,329	2,342	2,347	2,349	2,354	2,357	2,367
Ending Stocks	1,005	1,035	1,056	1,068	1,074	1,079	1,081	1,083	1,085	1,087	1,093
Domestic Use	4,705	4,943	5,060	5,154	5,213	5,265	5,283	5,284	5,281	5,260	5,247
Net Trade	-3,600	-3,920	-4,007	-4,079	-4,126	-4,172	-4,184	-4,184	-4,179	-4,156	-4,140

Taiwanese Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	366	356	381	389	399	406	415	421	427	433	438
Domestic Supply	366	356	381	389	399	406	415	421	427	433	438
Feed Use	10	14	15	16	18	19	20	22	23	24	25
Food and Other	1,075	1,098	1,109	1,121	1,130	1,141	1,150	1,158	1,166	1,173	1,182
Ending Stocks	356	381	389	399	406	415	421	427	433	438	445
Domestic Use	1,441	1,492	1,513	1,536	1,553	1,575	1,591	1,607	1,623	1,635	1,653
Net Trade	-1,075	-1,136	-1,132	-1,147	-1,155	-1,170	-1,176	-1,186	-1,195	-1,202	-1,215

Tunisian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	835	807	768	764	754	756	746	744	739	734	730
	(Metric Tons per Hectare)										
Yield	1.80	1.83	1.86	1.89	1.92	1.94	1.96	1.98	2.00	2.02	2.05
	(Thousand Metric Tons)										
Production	1,500	1,479	1,426	1,441	1,451	1,468	1,466	1,474	1,482	1,482	1,498
Beginning Stocks	1,419	1,219	1,298	1,313	1,337	1,347	1,367	1,378	1,390	1,404	1,413
Domestic Supply	2,919	2,698	2,724	2,754	2,788	2,815	2,833	2,852	2,871	2,886	2,911
Feed Use	0	0	0	0	0	0	0	0	0	0	0
Food and Other	3,100	3,152	3,188	3,241	3,278	3,334	3,372	3,408	3,453	3,487	3,532
Ending Stocks	1,219	1,298	1,313	1,337	1,347	1,367	1,378	1,390	1,404	1,413	1,431
Domestic Use	4,319	4,450	4,501	4,578	4,624	4,701	4,750	4,798	4,858	4,900	4,963
Net Trade	-1,400	-1,752	-1,777	-1,824	-1,836	-1,887	-1,917	-1,946	-1,986	-2,014	-2,052

Ukrainian Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	6,850	6,962	6,976	7,185	7,237	7,280	7,415	7,470	7,535	7,601	7,677
					(Metric Tons per Hectare)						
Yield	2.99	3.03	3.06	3.08	3.09	3.12	3.13	3.15	3.16	3.16	3.16
					(Thousand Metric Tons)						
Production	20,500	21,100	21,328	22,111	22,387	22,729	23,247	23,519	23,800	23,998	24,289
Beginning Stocks	3,110	2,610	2,959	3,090	3,180	3,254	3,322	3,375	3,420	3,459	3,487
Domestic Supply	23,610	23,710	24,287	25,202	25,567	25,983	26,569	26,895	27,220	27,457	27,777
Feed Use	2,800	2,810	2,847	2,874	2,920	2,978	3,030	3,084	3,140	3,201	3,266
Food and Other	9,300	9,537	9,635	9,688	9,727	9,782	9,797	9,795	9,786	9,760	9,736
Ending Stocks	2,610	2,959	3,090	3,180	3,254	3,322	3,375	3,420	3,459	3,487	3,515
Domestic Use	14,710	15,307	15,572	15,743	15,901	16,082	16,202	16,300	16,385	16,448	16,517
Net Trade	8,900	8,404	8,715	9,459	9,666	9,901	10,367	10,595	10,835	11,009	11,260

Rest-of-World Wheat Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	806	747	730	731	734	734	731	729	729	727	726
					(Metric Tons per Hectare)						
Yield	3.83	3.84	3.85	3.87	3.88	3.89	3.90	3.91	3.92	3.92	3.94
					(Thousand Metric Tons)						
Production	3,087	2,869	2,810	2,828	2,845	2,858	2,850	2,853	2,860	2,852	2,861
Beginning Stocks	1,283	1,089	1,119	1,117	1,120	1,122	1,130	1,133	1,138	1,145	1,149
Domestic Supply	4,370	3,958	3,929	3,944	3,964	3,980	3,980	3,986	3,998	3,997	4,010
Feed Use	725	668	664	657	654	653	651	647	646	643	642
Food and Other	4,081	4,291	4,321	4,334	4,365	4,414	4,452	4,479	4,521	4,552	4,594
Ending Stocks	1,089	1,119	1,117	1,120	1,122	1,130	1,133	1,138	1,145	1,149	1,159
Domestic Use	5,895	6,078	6,101	6,111	6,140	6,197	6,236	6,264	6,312	6,344	6,395
Net Trade	-1,525	-2,121	-2,171	-2,167	-2,176	-2,217	-2,255	-2,278	-2,313	-2,347	-2,385

Per Capita Wheat Consumption of Selected Countries

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Kilograms)										
Algeria	251	247	247	247	247	248	248	248	248	248	249
Argentina	118	127	127	126	125	125	124	123	123	122	123
Australia	144	145	144	143	142	142	141	140	140	139	139
Brazil	50	51	50	50	50	50	50	50	50	50	51
Canada	145	147	149	149	150	151	152	153	155	157	159
China	73	74	73	72	72	71	71	71	70	70	70
Egypt	210	212	211	212	212	213	213	213	213	213	213
European Union	138	144	149	153	155	157	159	161	162	163	164
India	65	66	66	66	65	66	65	65	66	66	67
Iran	236	213	215	217	219	220	220	220	220	220	220
Japan	45	45	45	45	45	45	45	45	45	45	45
Mexico	52	56	56	56	56	57	57	57	58	59	59
Morocco	236	235	235	235	236	236	238	237	238	238	239
Other Africa/Middle East	51	52	52	52	52	52	52	52	52	52	52
Other Asia	27	25	25	25	25	25	25	24	25	24	24
Other CIS *	222	223	223	222	221	221	221	220	220	219	219
Other Eastern Europe †	95	96	97	97	97	97	98	98	98	99	100
Other Latin America	50	51	51	51	50	50	50	50	50	50	50
Pakistan	129	131	130	130	129	129	129	129	129	129	129
Russia	167	166	165	167	167	168	168	168	168	168	169
South Korea	45	47	47	47	47	48	48	48	48	48	48
Taiwan	47	48	48	48	49	49	49	50	50	50	51
Tunisia	292	294	294	297	297	300	300	301	303	303	305
Ukraine	205	212	215	218	220	223	225	226	227	228	229
United States	89	90	90	90	90	90	90	90	90	90	90

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan.

† Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Serbia, Montenegro.

WORLD RICE

World Rice

Global rice prices weaken in 2009/10 as more exportable supplies became available, even as major rice exporting countries like India, Egypt, Pakistan, China, and Thailand maintain export restrictions and stock controls to dampen domestic price increases. The world reference price, which equilibrates net trade in the model, is used in this baseline. This price no longer tracks the Thai 100% B price. Current Thai policies on the domestic price, government storage, and government-to-government exports have limited the usefulness of the Thai price as a reference price because of competitive pressure from Vietnamese rice. Vietnam has sold rice at a discount by as much as \$150 per mt below the Thai price, making it very competitive in the global market.

World rice harvested area in 2009/10 declined by 2.5% as unfavorable weather caused a 5.2 mha drop in India's area that negated gains in China, Myanmar, Thailand, and Nigeria. While world rice production has exceeded consumption since 2005/06, the situation reversed in 2009/10 when India's output declined by 14.7 mmt, causing global rice production to decrease by 2.7%, to 434.7 mmt, as the average yield declined marginally.

Total world rice consumption in 2009/10 increases by 0.7%, to 436.5 mmt, as world population grows by 1.1% and average per capita use declines by 0.4%. Substantial consumption gains in China, Bangladesh, and Indonesia are offset by declines in India and Pakistan. Total world rice trade in 2009/10 is 29.7 mmt, up 8.2%, as total export shipments from Thailand, Pakistan, and China increase substantially. Net world rice trade in 2009/10 is 27.6 mmt, up 11.7% from the previous year.

With global rice yields projected to increase by 2.2% and area by 0.8%, total rice output recovers in 2010/11, expanding by 3.0%, to 447.7 mmt. With world population growth of 1.1% and an increase of 0.7% in per capita use, total global rice consumption increases by 1.8%, to 444.3 mmt. Total world rice trade expands to 32.3 mmt during the same period, up 8.9% from the previous year, as more export supplies come from India and Thailand. Consequently, rice export prices are projected to weaken further in 2010/11 and 2011/12 before increasing gradually, driven by strong consumption and trade, reaching \$429 per mt by 2019/20.

Over the next decade, global rice area increases marginally, to 155.7 mha, and yields grow by 0.6%, causing total production to grow by 0.7%. Area expansions in India, Bangladesh, Myanmar, and Thailand offset contractions in China, Japan, and South Korea. Total consumption continues to increase steadily by 0.8% annually, with the expansion driven solely by population growth, as average per capita use declines marginally, a result of urbanization and diet diversification toward more protein-based foods in some Asian countries with strong economies such as China, India, Indonesia, Vietnam, Thailand, Japan, South Korea, and Taiwan.

India's role in the global rice economy is projected to remain prominent, as the country accounts for 28%, 38%, and 29% of the gains in area, production, and consumption over the baseline, respectively. About 45% of the growth in production comes from Bangladesh, Thailand, Indonesia, the Philippines, Brazil, Myanmar, Cambodia, and Vietnam, while 52% of consumption growth is accounted for by Bangladesh, the EU, Indonesia, the Philippines, Nigeria, and Myanmar.

India, Thailand, Pakistan, and Vietnam account for 81.2% of the growth in net rice exports over the next decade. These countries experience declines in rice per capita consumption, which allows yield-based growth in production to outpace domestic consumption. Over the same period, the Philippines remains the top rice destination, with imports reaching nearly 4.0 mmt by 2019/20. Rice imports of Africa and the Middle East continue to increase, accounting for 50.4% of the total volume growth in global net rice imports over the decade, driven by strong growth in both population and per capita rice consumption.

Rice Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	591	554	660	650	686	706	724	757	786	810	798
Australia	-176	-173	-129	-95	-62	-59	-66	-63	-60	-57	-53
Cambodia	773	764	711	725	726	696	723	717	733	773	797
China	1,130	1,048	1,139	1,244	1,281	1,324	1,345	1,331	1,352	1,373	1,437
Egypt	432	553	612	629	628	658	672	689	709	710	725
India	1,982	4,436	5,758	5,806	6,170	6,262	6,522	6,751	6,838	6,921	7,072
Myanmar (Burma)	1,007	1,051	1,174	1,248	1,270	1,303	1,328	1,351	1,408	1,448	1,462
Pakistan	3,791	3,062	3,254	3,404	3,457	3,646	3,551	3,550	3,666	3,670	3,766
Thailand	9,798	10,733	11,097	11,136	11,273	11,358	11,535	11,874	12,094	12,366	12,497
United States	2,494	2,462	2,245	2,171	2,137	2,118	2,100	2,073	2,071	2,090	2,152
Uruguay	750	762	786	816	837	858	902	926	940	972	994
Vietnam	5,004	4,575	4,580	4,645	4,553	4,723	4,795	5,133	4,974	5,079	5,057
Total Net Exports *	27,576	29,826	31,888	32,378	32,957	33,594	34,133	35,088	35,510	36,155	36,705
Net Importers											
Bangladesh	704	954	1,426	1,553	1,664	1,783	1,813	1,849	1,863	1,858	1,854
Brazil	340	691	879	767	659	531	396	269	-29	-223	-533
Cameroon	301	334	370	390	403	410	422	452	464	478	486
Canada	341	357	367	387	409	425	444	460	472	485	493
China - Hong Kong	350	381	385	388	392	396	400	405	408	411	413
Cote d'Ivoire	796	966	1,034	1,155	1,205	1,240	1,283	1,333	1,360	1,398	1,438
European Union-27	1,203	1,360	1,362	1,376	1,390	1,374	1,391	1,414	1,439	1,482	1,539
Ghana	351	370	345	330	307	287	278	275	284	289	299
Guinea	148	222	208	196	185	198	185	204	215	227	235
Indonesia	303	970	1,241	1,217	1,254	1,402	1,401	1,424	1,403	1,422	1,624
Iran	1,701	1,690	1,651	1,655	1,744	1,723	1,855	1,963	1,988	2,086	2,215
Iraq	1,100	1,247	1,253	1,260	1,277	1,297	1,325	1,356	1,389	1,428	1,484
Japan	500	482	482	482	482	482	482	482	482	482	482
Kenya	247	385	355	369	416	415	439	475	483	511	499
Malaysia	829	983	1,029	1,044	1,090	1,095	1,125	1,165	1,199	1,247	1,352
Mali	102	204	192	174	165	173	170	177	180	193	188
Mexico	596	658	664	696	728	751	779	810	840	872	902
Mozambique	350	366	383	400	416	430	438	458	465	489	494
Nigeria	1,600	1,943	2,067	2,152	2,242	2,303	2,387	2,501	2,639	2,757	2,800
Philippines	2,599	2,983	2,924	2,891	3,293	3,433	3,397	3,570	3,768	3,859	3,977
Saudi Arabia	1,320	1,411	1,415	1,450	1,488	1,523	1,559	1,595	1,627	1,659	1,688
Senegal	701	573	630	672	711	730	796	841	889	937	986
Sierra Leone	130	162	167	169	169	163	154	148	136	128	111
South Africa	726	978	975	996	1,018	1,038	1,065	1,096	1,121	1,167	1,192
South Korea	300	327	348	368	388	409	409	409	409	409	409
Taiwan	70	108	108	108	108	108	108	108	108	108	108
Tanzania	79	158	147	138	164	173	192	222	217	232	223
Turkey	191	212	238	254	273	284	299	314	325	334	346
Rest of World	9,599	8,352	9,244	9,341	8,918	9,017	9,143	9,315	9,369	9,434	9,399
Total Net Imports	27,576	29,826	31,888	32,378	32,957	33,594	34,133	35,088	35,510	36,155	36,705
Prices	(U.S. Dollars per Metric Ton)										
World Reference Price †	538	405	401	404	403	405	406	402	411	415	429
U.S. FOB Gulf Ports	532	425	422	424	424	426	427	423	432	437	451

* Total net exports are the sum of all positive net exports and negative net imports.

† Historically equal to the Thai 100% B. However, for the projection period, this price equilibrates net trade and no longer corresponds to Thai 100% B. Current Thai policies on domestic price, government storage, and government-to-government exports have limited its usefulness as a reference price.

World Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	152,530	153,747	153,739	154,261	154,444	154,761	155,209	155,293	155,309	155,377	155,676
	(Metric Tons per Hectare)										
Yield	2.85	2.91	2.93	2.93	2.95	2.96	2.97	3.00	3.02	3.05	3.06
	(Thousand Metric Tons)										
Production	434,730	447,696	450,514	452,302	455,223	457,768	461,701	466,272	469,625	474,055	476,681
Beginning Stocks	92,410	90,660	94,004	96,393	96,307	94,477	93,683	93,018	93,073	92,724	92,681
Domestic Supply	527,140	538,356	544,518	548,695	551,530	552,246	555,384	559,289	562,698	566,779	569,362
Consumption	436,470	444,352	448,126	452,387	457,053	458,563	462,366	466,216	469,974	474,098	477,622
Ending Stocks	90,660	94,004	96,393	96,307	94,477	93,683	93,018	93,073	92,724	92,681	91,740
Domestic Use	527,130	538,356	544,518	548,695	551,530	552,246	555,384	559,289	562,698	566,779	569,362
Trade	29,660	32,287	34,365	36,333	36,898	37,580	38,301	38,957	40,041	40,533	41,278
	(Percent)										
Stocks-to-Use Ratio	20.77	21.16	21.51	21.29	20.67	20.43	20.12	19.96	19.73	19.55	19.21

U.S. Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	1,256	1,189	1,127	1,121	1,124	1,123	1,120	1,117	1,116	1,120	1,131
	(Metric Tons per Hectares)										
Yield	5.60	5.67	5.72	5.78	5.83	5.88	5.93	5.99	6.03	6.07	6.12
	(Thousand Metric Tons)										
Production	7,030	6,743	6,449	6,473	6,553	6,606	6,648	6,686	6,731	6,805	6,919
Beginning Stocks	974	1,369	1,367	1,255	1,192	1,189	1,204	1,223	1,248	1,269	1,290
Domestic Supply	8,004	8,111	7,816	7,728	7,745	7,795	7,851	7,908	7,979	8,074	8,210
Consumption	4,141	4,262	4,315	4,365	4,419	4,473	4,528	4,586	4,640	4,694	4,746
Ending Stocks	1,369	1,367	1,255	1,192	1,189	1,204	1,223	1,248	1,269	1,290	1,311
Domestic Use	5,510	5,629	5,570	5,557	5,608	5,677	5,751	5,835	5,908	5,985	6,057
Net Trade	2,494	2,462	2,245	2,171	2,137	2,118	2,100	2,073	2,071	2,090	2,152

Argentine Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	210	227	228	230	231	233	234	236	238	240	242
	(Metric Tons per Hectares)										
Yield	4.52	4.42	4.48	4.55	4.63	4.71	4.78	4.85	4.93	5.00	5.08
	(Thousand Metric Tons)										
Production	949	1,003	1,022	1,046	1,072	1,095	1,120	1,147	1,173	1,203	1,232
Beginning Stocks	70	103	204	212	249	270	289	309	318	319	319
Domestic Supply	1,019	1,106	1,226	1,258	1,321	1,365	1,409	1,456	1,491	1,521	1,551
Consumption	325	349	353	359	365	370	376	382	387	392	396
Ending Stocks	103	204	212	249	270	289	309	318	319	319	357
Domestic Use	428	553	566	608	635	660	685	700	705	711	753
Net Trade	591	554	660	650	686	706	724	757	786	810	798

Australian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	20	29	34	38	45	45	47	49	51	52	53
	(Metric Tons per Hectares)										
Yield	6.25	6.29	6.34	6.34	6.35	6.40	6.45	6.51	6.56	6.58	6.58
	(Thousand Metric Tons)										
Production	125	182	214	242	283	290	303	322	334	341	348
Beginning Stocks	24	11	50	62	59	61	61	77	100	128	151
Domestic Supply	149	192	264	304	343	350	365	399	434	470	499
Consumption	314	315	331	340	344	348	354	362	365	375	385
Ending Stocks	11	50	62	59	61	61	77	100	128	151	167
Domestic Use	325	365	392	399	405	410	431	462	494	526	552
Net Trade	-176	-173	-129	-95	-62	-59	-66	-63	-60	-57	-53

Bangladeshi Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	11,600	11,624	11,520	11,505	11,542	11,620	11,679	11,778	11,821	11,872	11,914
	(Metric Tons per Hectares)										
Yield	2.59	2.67	2.66	2.69	2.72	2.74	2.76	2.79	2.82	2.85	2.89
	(Thousand Metric Tons)										
Production	30,000	30,979	30,649	30,922	31,350	31,841	32,282	32,836	33,333	33,878	34,440
Beginning Stocks	1,148	448	458	461	469	480	492	472	562	672	802
Domestic Supply	31,148	31,427	31,108	31,384	31,819	32,321	32,775	33,308	33,895	34,550	35,242
Consumption	31,404	31,923	32,072	32,467	33,003	33,612	34,115	34,596	35,087	35,605	36,241
Ending Stocks	448	458	461	469	480	492	472	562	672	802	855
Domestic Use	31,852	32,382	32,534	32,936	33,483	34,104	34,587	35,158	35,758	36,407	37,096
Net Trade	-704	-954	-1,426	-1,553	-1,664	-1,783	-1,813	-1,849	-1,863	-1,858	-1,854

Brazilian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	2,850	2,799	2,693	2,690	2,702	2,709	2,720	2,732	2,756	2,795	2,845
	(Metric Tons per Hectares)										
Yield	2.74	3.08	3.13	3.20	3.25	3.32	3.38	3.45	3.51	3.58	3.64
	(Thousand Metric Tons)										
Production	7,820	8,614	8,433	8,600	8,790	8,981	9,196	9,420	9,682	10,001	10,367
Beginning Stocks	1,013	758	819	813	808	807	804	803	804	799	798
Domestic Supply	8,833	9,371	9,252	9,413	9,598	9,787	10,000	10,223	10,486	10,800	11,166
Consumption	8,636	9,243	9,319	9,372	9,450	9,514	9,593	9,688	9,657	9,779	9,840
Ending Stocks	758	819	813	808	807	804	803	804	799	798	793
Domestic Use	9,394	10,062	10,131	10,180	10,257	10,318	10,396	10,492	10,457	10,577	10,632
Net Trade	-340	-691	-879	-767	-659	-531	-396	-269	29	223	533

Cambodian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	2,650	2,658	2,617	2,629	2,634	2,622	2,641	2,643	2,654	2,678	2,691
	(Metric Tons per Hectares)										
Yield	1.75	1.77	1.81	1.85	1.88	1.92	1.96	2.00	2.04	2.07	2.11
	(Thousand Metric Tons)										
Production	4,630	4,694	4,726	4,852	4,964	5,043	5,180	5,285	5,407	5,554	5,681
Beginning Stocks	0	0	1	2	5	7	9	11	14	16	18
Domestic Supply	4,630	4,694	4,727	4,854	4,968	5,050	5,189	5,296	5,421	5,569	5,699
Consumption	3,857	3,929	4,013	4,124	4,236	4,345	4,455	4,565	4,672	4,779	4,882
Ending Stocks	0	1	2	5	7	9	11	14	16	18	20
Domestic Use	3,857	3,931	4,016	4,129	4,243	4,354	4,466	4,579	4,688	4,797	4,902
Net Trade	773	764	711	725	726	696	723	717	733	773	797

Cameroonian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	40	41	41	41	42	43	44	45	45	45	45
	(Metric Tons per Hectares)										
Yield	0.75	0.86	0.87	0.89	0.90	0.91	0.92	0.93	0.95	0.96	0.97
	(Thousand Metric Tons)										
Production	30	35	36	36	37	39	41	42	42	43	44
Beginning Stocks	0	0	1	2	2	2	3	3	4	4	5
Domestic Supply	30	35	37	38	39	41	43	45	46	48	49
Consumption	331	368	405	426	440	449	462	493	505	520	530
Ending Stocks	0	1	2	2	2	3	3	4	4	5	5
Domestic Use	331	369	407	429	442	451	465	497	510	525	535
Net Trade	-301	-334	-370	-390	-403	-410	-422	-452	-464	-478	-486

Canadian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	341	357	367	387	409	425	444	460	472	485	493
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	341	357	367	387	409	425	444	460	472	485	493
Net Trade	-341	-357	-367	-387	-409	-425	-444	-460	-472	-485	-493

Chinese Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	29,680	29,226	28,657	28,423	28,182	28,060	27,942	27,833	27,712	27,639	27,609
	(Metric Tons per Hectares)										
Yield	4.62	4.71	4.76	4.78	4.82	4.83	4.84	4.85	4.86	4.87	4.89
	(Thousand Metric Tons)										
Production	137,000	137,669	136,360	135,949	135,774	135,468	135,300	134,961	134,713	134,702	134,901
Beginning Stocks	42,875	45,188	46,870	46,586	45,837	44,778	43,877	43,825	43,577	43,251	42,631
Domestic Supply	179,875	182,858	183,230	182,535	181,611	180,245	179,178	178,786	178,291	177,953	177,532
Consumption	133,557	134,941	135,504	135,454	135,552	135,044	134,007	133,878	133,688	133,949	133,378
Ending Stocks	45,188	46,870	46,586	45,837	44,778	43,877	43,825	43,577	43,251	42,631	42,716
Domestic Use	178,745	181,810	182,090	181,291	180,330	178,922	177,832	177,455	176,938	176,580	176,095
Net Trade	1,130	1,048	1,139	1,244	1,281	1,324	1,345	1,331	1,352	1,373	1,437

Cote d'Ivoire Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	400	402	358	347	347	344	346	347	344	344	342
	(Metric Tons per Hectare)										
Yield	1.24	1.16	1.17	1.19	1.20	1.21	1.22	1.23	1.25	1.26	1.27
	(Thousand Metric Tons)										
Production	495	467	420	411	415	416	423	428	429	432	434
Beginning Stocks	90	89	112	111	113	118	117	119	122	123	125
Domestic Supply	585	556	532	522	528	534	540	546	550	555	559
Consumption	1,292	1,410	1,455	1,564	1,615	1,658	1,704	1,758	1,788	1,827	1,848
Ending Stocks	89	112	111	113	118	117	119	122	123	125	150
Domestic Use	1,381	1,522	1,566	1,677	1,733	1,774	1,822	1,879	1,911	1,953	1,997
Net Trade	-796	-966	-1,034	-1,155	-1,205	-1,240	-1,283	-1,333	-1,360	-1,398	-1,438

Egyptian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20		
Area Harvested	670	672	673	677	(Thousand Hectares)		682	688	690	692	691	691	690
Yield	6.53	6.62	6.78	6.83	(Metric Tons per Hectares)		6.88	6.93	6.98	7.03	7.07	7.12	7.24
Production	4,374	4,450	4,563	4,630	(Thousand Metric Tons)		4,691	4,767	4,815	4,860	4,888	4,915	4,992
Beginning Stocks	792	731	752	750	768	787	827	846	843	797	707	707	707
Domestic Supply	5,166	5,181	5,314	5,379	5,459	5,554	5,642	5,706	5,731	5,712	5,712	5,699	5,699
Consumption	4,003	3,876	3,953	3,982	4,044	4,068	4,124	4,174	4,225	4,295	4,295	4,365	4,365
Ending Stocks	731	752	750	768	787	827	846	843	797	707	707	609	609
Domestic Use	4,734	4,628	4,703	4,750	4,831	4,895	4,970	5,017	5,022	5,002	5,002	4,973	4,973
Net Trade	432	553	612	629	628	658	672	689	709	710	710	725	725

European Union Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20		
Area Harvested	454	454	454	450	(Thousand Hectares)		451	451	452	453	456	457	458
Yield	4.38	4.23	4.24	4.24	(Metric Tons per Hectare)		4.25	4.27	4.28	4.30	4.32	4.34	4.36
Production	1,988	1,924	1,927	1,909	(Thousand Metric Tons)		1,917	1,923	1,935	1,952	1,970	1,987	1,997
Beginning Stocks	1,020	1,101	1,229	1,342	1,412	1,459	1,451	1,434	1,413	1,400	1,410	1,410	1,410
Domestic Supply	3,008	3,025	3,155	3,251	3,329	3,382	3,387	3,386	3,383	3,387	3,387	3,407	3,407
Consumption	3,110	3,157	3,176	3,215	3,261	3,304	3,344	3,387	3,422	3,459	3,459	7,895	7,895
Ending Stocks	1,101	1,229	1,342	1,412	1,459	1,451	1,434	1,413	1,400	1,410	1,410	1,411	1,411
Domestic Use	4,211	4,385	4,518	4,627	4,720	4,755	4,778	4,800	4,822	4,869	4,869	9,306	9,306
Net Trade	-1,203	-1,360	-1,362	-1,376	-1,390	-1,374	-1,391	-1,414	-1,439	-1,482	-1,482	-1,539	-1,539

Ghanaian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20		
Area Harvested	125	124	132	136	(Thousand Hectares)		138	138	138	139	138	138	139
Yield	1.25	1.31	1.34	1.35	(Metric Tons per Hectares)		1.37	1.39	1.42	1.45	1.47	1.50	1.53
Production	156	162	176	184	(Thousand Metric Tons)		190	193	196	200	203	207	212
Beginning Stocks	65	65	78	78	77	74	71	69	69	71	73	73	73
Domestic Supply	221	228	254	262	267	267	267	270	272	278	278	285	285
Consumption	506	520	521	515	500	484	475	475	485	494	494	508	508
Ending Stocks	65	78	78	77	74	71	69	69	71	73	73	76	76
Domestic Use	572	598	599	592	574	554	544	544	556	567	567	584	584
Net Trade	-351	-370	-345	-330	-307	-287	-278	-275	-284	-289	-289	-299	-299

Guinean Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	820	813	821	832	844	854	862	872	879	886	894
					(Metric Tons per Hectares)						
Yield	0.71	0.74	0.78	0.82	0.86	0.88	0.91	0.93	0.94	0.95	0.96
					(Thousand Metric Tons)						
Production	585	600	637	684	728	750	787	810	822	844	857
Beginning Stocks	0	0	3	4	5	5	5	5	6	6	6
Domestic Supply	585	600	640	688	733	755	792	815	828	850	863
Consumption	733	819	844	880	913	948	972	1,013	1,038	1,070	1,093
Ending Stocks	0	3	4	5	5	5	5	6	6	6	6
Domestic Use	733	822	849	885	918	953	977	1,019	1,044	1,077	1,099
Net Trade	-148	-222	-208	-196	-185	-198	-185	-204	-215	-227	-235

Chinese - Hong Kong Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Metric Tons)						
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	350	381	385	388	392	396	400	405	408	411	413
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	350	381	385	388	392	396	400	405	408	411	413
Net Trade	-350	-381	-385	-388	-392	-396	-400	-405	-408	-411	-413

Indian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	38,800	44,010	44,141	44,247	44,515	44,570	44,698	44,848	45,014	45,196	45,400
					(Metric Tons per Hectare)						
Yield	2.18	2.23	2.24	2.25	2.27	2.29	2.31	2.33	2.36	2.36	2.38
					(Thousand Metric Tons)						
Production	84,500	98,070	98,720	99,611	101,169	102,041	103,204	104,513	106,014	106,809	107,963
Beginning Stocks	17,000	10,812	13,062	13,454	13,376	13,458	13,155	12,643	12,022	12,095	11,789
Domestic Supply	101,500	108,882	111,782	113,065	114,545	115,499	116,358	117,156	118,036	118,904	119,752
Consumption	88,806	91,384	92,570	93,884	94,916	96,083	97,193	98,383	99,102	100,194	101,094
Ending Stocks	10,812	13,062	13,454	13,376	13,458	13,155	12,643	12,022	12,095	11,789	11,585
Domestic Use	99,618	104,446	106,024	107,259	108,374	109,237	109,836	110,405	111,197	111,983	112,679
Net Trade	1,982	4,436	5,758	5,806	6,170	6,262	6,522	6,751	6,838	6,921	7,072

Indonesian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	12,000	11,872	11,820	11,855	11,892	11,930	11,929	11,911	11,927	11,974	11,966
	(Metric Tons per Hectare)										
Yield	3.08	3.16	3.17	3.21	3.21	3.21	3.24	3.27	3.28	3.29	3.29
	(Thousand Metric Tons)										
Production	37,000	37,518	37,520	38,051	38,193	38,314	38,694	38,907	39,157	39,358	39,376
Beginning Stocks	7,057	6,958	6,797	6,833	6,892	6,834	6,725	6,497	6,079	5,579	5,045
Domestic Supply	44,057	44,476	44,317	44,884	45,085	45,148	45,420	45,404	45,236	44,937	44,420
Consumption	37,402	38,649	38,726	39,209	39,505	39,824	40,323	40,749	41,061	41,314	41,696
Ending Stocks	6,958	6,797	6,833	6,892	6,834	6,725	6,497	6,079	5,579	5,045	4,349
Domestic Use	44,360	45,446	45,558	46,101	46,339	46,550	46,820	46,829	46,639	46,359	46,044
Net Trade	-303	-970	-1,241	-1,217	-1,254	-1,402	-1,401	-1,424	-1,403	-1,422	-1,624

Iranian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	625	631	633	635	635	635	633	632	630	629	627
	(Metric Tons per Hectare)										
Yield	3.20	3.46	3.46	3.48	3.56	3.56	3.58	3.61	3.63	3.66	3.68
	(Thousand Metric Tons)										
Production	2,000	2,180	2,187	2,210	2,262	2,258	2,268	2,281	2,290	2,303	2,309
Beginning Stocks	665	765	937	1,030	1,087	1,137	1,162	1,194	1,229	1,252	1,280
Domestic Supply	2,665	2,945	3,125	3,241	3,348	3,395	3,429	3,475	3,519	3,555	3,590
Consumption	3,600	3,698	3,745	3,809	3,955	3,956	4,090	4,209	4,254	4,360	4,491
Ending Stocks	765	937	1,030	1,087	1,137	1,162	1,194	1,229	1,252	1,280	1,314
Domestic Use	4,366	4,635	4,776	4,895	5,092	5,118	5,285	5,438	5,507	5,641	5,805
Net Trade	-1,701	-1,690	-1,651	-1,655	-1,744	-1,723	-1,855	-1,963	-1,988	-2,086	-2,215

Iraqi Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	50	63	71	76	81	83	85	86	87	88	89
	(Metric Tons per Hectare)										
Yield	1.32	2.00	1.99	2.00	2.01	2.03	2.04	2.05	2.06	2.08	2.09
	(Thousand Metric Tons)										
Production	66	126	142	153	163	169	174	177	179	182	186
Beginning Stocks	130	105	209	270	309	333	351	364	375	385	394
Domestic Supply	196	231	350	423	472	502	525	541	554	567	581
Consumption	1,191	1,269	1,333	1,374	1,415	1,449	1,486	1,522	1,558	1,601	1,660
Ending Stocks	105	209	270	309	333	351	364	375	385	394	405
Domestic Use	1,296	1,477	1,603	1,683	1,749	1,800	1,849	1,897	1,943	1,995	2,064
Net Trade	-1,100	-1,247	-1,253	-1,260	-1,277	-1,297	-1,325	-1,356	-1,389	-1,428	-1,484

Japanese Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	1,610	1,566	1,514	1,500	1,498	1,484	1,485	1,475	1,452	1,427	1,432
					(Metric Tons per Hectare)						
Yield	4.73	4.72	4.76	4.80	4.85	4.88	4.89	4.88	4.87	4.88	4.88
					(Thousand Metric Tons)						
Production	7,620	7,396	7,210	7,203	7,262	7,241	7,257	7,194	7,064	6,966	6,987
Beginning Stocks	2,715	2,635	2,474	2,190	2,068	2,084	2,143	2,301	2,472	2,585	2,660
Domestic Supply	10,335	10,031	9,684	9,393	9,330	9,325	9,400	9,495	9,536	9,551	9,647
Consumption	8,200	8,039	7,975	7,807	7,728	7,664	7,581	7,506	7,433	7,373	7,329
Ending Stocks	2,635	2,474	2,190	2,068	2,084	2,143	2,301	2,472	2,585	2,660	2,800
Domestic Use	10,835	10,513	10,166	9,875	9,812	9,807	9,882	9,977	10,018	10,033	10,129
Net Trade	-500	-482	-482	-482	-482	-482	-482	-482	-482	-482	-482

Kenyan Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	17	17	17	18	18	18	18	19	19	19	19
					(Metric Tons per Hectares)						
Yield	1.53	1.72	1.81	1.86	1.91	1.95	2.00	2.05	2.09	2.14	2.19
					(Thousand Metric Tons)						
Production	26	30	32	33	34	35	37	38	39	41	42
Beginning Stocks	115	90	123	121	121	131	130	134	142	143	149
Domestic Supply	141	120	155	153	155	166	167	172	181	184	191
Consumption	298	382	389	402	440	451	472	505	521	546	547
Ending Stocks	90	123	121	121	131	130	134	142	143	149	144
Domestic Use	388	505	509	523	571	581	606	647	665	695	690
Net Trade	-247	-385	-355	-369	-416	-415	-439	-475	-483	-511	-499

Malaysian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	670	674	675	674	674	673	673	674	675	674	674
					(Metric Tons per Hectare)						
Yield	2.35	2.36	2.36	2.37	2.38	2.40	2.42	2.44	2.46	2.48	2.50
					(Thousand Metric Tons)						
Production	1,575	1,591	1,594	1,597	1,606	1,615	1,630	1,646	1,661	1,673	1,686
Beginning Stocks	642	600	608	626	628	632	639	638	645	650	656
Domestic Supply	2,217	2,191	2,202	2,222	2,235	2,247	2,268	2,283	2,306	2,323	2,342
Consumption	2,446	2,566	2,605	2,638	2,693	2,703	2,755	2,804	2,854	2,914	3,031
Ending Stocks	600	608	626	628	632	639	638	645	650	656	664
Domestic Use	3,046	3,174	3,231	3,266	3,324	3,342	3,393	3,448	3,504	3,571	3,695
Net Trade	-829	-983	-1,029	-1,044	-1,090	-1,095	-1,125	-1,165	-1,199	-1,247	-1,352

Malian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	410	396	405	418	430	436	441	447	449	454	461
	(Metric Tons per Hectares)										
Yield	2.09	2.15	2.21	2.25	2.30	2.35	2.39	2.45	2.50	2.55	2.60
	(Thousand Metric Tons)										
Production	858	851	895	942	990	1,023	1,056	1,094	1,121	1,157	1,198
Beginning Stocks	0	1	4	5	6	7	8	9	10	10	12
Domestic Supply	858	852	899	947	996	1,030	1,064	1,103	1,131	1,167	1,209
Consumption	958	1,051	1,086	1,115	1,154	1,195	1,225	1,270	1,300	1,349	1,385
Ending Stocks	1	4	5	6	7	8	9	10	10	12	13
Domestic Use	960	1,056	1,091	1,121	1,161	1,203	1,233	1,280	1,310	1,360	1,398
Net Trade	-102	-204	-192	-174	-165	-173	-170	-177	-180	-193	-188

Mexican Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	60	60	59	58	58	57	57	57	57	57	57
	(Metric Tons per Hectare)										
Yield	3.17	3.07	3.05	3.06	3.08	3.12	3.18	3.21	3.27	3.33	3.38
	(Thousand Metric Tons)										
Production	190	184	180	178	177	179	182	184	188	191	194
Beginning Stocks	118	123	152	154	159	163	166	167	171	174	177
Domestic Supply	308	308	332	332	336	342	348	352	358	365	371
Consumption	781	813	842	869	900	927	960	991	1,025	1,060	1,095
Ending Stocks	123	152	154	159	163	166	167	171	174	177	178
Domestic Use	904	965	996	1,028	1,064	1,093	1,127	1,162	1,198	1,236	1,273
Net Trade	-596	-658	-664	-696	-728	-751	-779	-810	-840	-872	-902

Mozambican Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	180	183	186	189	192	195	198	201	204	207	209
	(Metric Tons per Hectares)										
Yield	0.96	0.80	0.81	0.81	0.82	0.83	0.84	0.85	0.85	0.86	0.87
	(Thousand Metric Tons)										
Production	172	146	150	154	158	162	166	170	174	178	182
Beginning Stocks	0	0	1	1	2	2	3	3	4	4	5
Domestic Supply	172	146	151	155	160	165	169	173	178	182	187
Consumption	522	511	533	554	574	592	605	628	640	666	677
Ending Stocks	0	1	1	2	2	3	3	4	4	5	5
Domestic Use	522	511	534	556	576	594	608	631	643	671	681
Net Trade	-350	-366	-383	-400	-416	-430	-438	-458	-465	-489	-494

Myanmarian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	7,000	7,024	7,062	7,098	7,125	7,152	7,162	7,181	7,189	7,196	7,202
	(Metric Tons per Hectare)										
Yield	1.53	1.57	1.59	1.59	1.61	1.62	1.64	1.66	1.67	1.69	1.71
	(Thousand Metric Tons)										
Production	10,730	11,004	11,198	11,320	11,472	11,602	11,767	11,908	12,029	12,149	12,290
Beginning Stocks	221	205	298	353	353	356	360	377	396	364	293
Domestic Supply	10,951	11,208	11,496	11,673	11,824	11,958	12,127	12,285	12,424	12,513	12,582
Consumption	9,739	9,859	9,969	10,073	10,198	10,295	10,422	10,539	10,653	10,772	10,875
Ending Stocks	205	298	353	353	356	360	377	396	364	293	246
Domestic Use	9,944	10,157	10,322	10,425	10,554	10,655	10,799	10,934	11,017	11,065	11,120
Net Trade	1,007	1,051	1,174	1,248	1,270	1,303	1,328	1,351	1,408	1,448	1,462

Nigerian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	2,400	2,406	2,387	2,394	2,399	2,403	2,405	2,410	2,410	2,410	2,412
	(Metric Tons per Hectare)										
Yield	1.42	1.45	1.47	1.49	1.52	1.54	1.57	1.58	1.59	1.60	1.63
	(Thousand Metric Tons)										
Production	3,400	3,478	3,508	3,578	3,643	3,706	3,769	3,810	3,820	3,854	3,940
Beginning Stocks	570	470	413	377	353	336	325	317	311	307	303
Domestic Supply	3,970	3,948	3,921	3,954	3,995	4,042	4,093	4,127	4,131	4,161	4,244
Consumption	5,100	5,479	5,611	5,753	5,901	6,021	6,164	6,316	6,463	6,614	6,743
Ending Stocks	470	413	377	353	336	325	317	311	307	303	301
Domestic Use	5,570	5,891	5,987	6,106	6,238	6,346	6,480	6,627	6,770	6,917	7,044
Net Trade	-1,600	-1,943	-2,067	-2,152	-2,242	-2,303	-2,387	-2,501	-2,639	-2,757	-2,800

Pakistani Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	2,800	2,809	2,791	2,808	2,815	2,812	2,811	2,816	2,812	2,819	2,811
	(Metric Tons per Hectare)										
Yield	2.21	2.30	2.32	2.34	2.36	2.39	2.41	2.43	2.46	2.48	2.50
	(Thousand Metric Tons)										
Production	6,200	6,466	6,467	6,573	6,655	6,712	6,773	6,852	6,908	6,991	7,037
Beginning Stocks	1,000	801	1,253	1,417	1,504	1,577	1,490	1,511	1,567	1,532	1,533
Domestic Supply	7,200	7,267	7,720	7,990	8,159	8,290	8,263	8,364	8,475	8,523	8,569
Consumption	2,609	2,953	3,049	3,081	3,124	3,154	3,201	3,246	3,277	3,320	3,341
Ending Stocks	801	1,253	1,417	1,504	1,577	1,490	1,511	1,567	1,532	1,533	1,462
Domestic Use	3,409	4,205	4,466	4,586	4,702	4,644	4,712	4,813	4,809	4,852	4,803
Net Trade	3,791	3,062	3,254	3,404	3,457	3,646	3,551	3,550	3,666	3,670	3,766

Philippine Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	4,450	4,539	4,536	4,545	4,555	4,568	4,580	4,590	4,595	4,600	4,607
	(Metric Tons per Hectare)										
Yield	2.39	2.44	2.51	2.58	2.58	2.60	2.68	2.71	2.73	2.77	2.80
	(Thousand Metric Tons)										
Production	10,300	11,074	11,394	11,735	11,762	11,884	12,274	12,439	12,537	12,736	12,887
Beginning Stocks	4,121	3,236	3,253	3,282	3,312	3,349	3,399	3,433	3,477	3,519	3,557
Domestic Supply	14,421	14,310	14,647	15,017	15,075	15,233	15,672	15,872	16,014	16,255	16,444
Consumption	13,784	14,040	14,290	14,595	15,018	15,267	15,635	15,965	16,263	16,557	16,827
Ending Stocks	3,236	3,253	3,282	3,312	3,349	3,399	3,433	3,477	3,519	3,557	3,594
Domestic Use	17,020	17,293	17,571	17,907	18,367	18,666	19,069	19,442	19,782	20,114	20,421
Net Trade	-2,599	-2,983	-2,924	-2,891	-3,293	-3,433	-3,397	-3,570	-3,768	-3,859	-3,977

Saudi Arabian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	411	432	473	480	484	487	491	494	498	501	504
Domestic Supply	411	432	473	480	484	487	491	494	498	501	504
Consumption	1,299	1,369	1,408	1,447	1,484	1,520	1,555	1,591	1,623	1,656	1,685
Ending Stocks	432	473	480	484	487	491	494	498	501	504	507
Domestic Use	1,731	1,843	1,888	1,930	1,972	2,011	2,050	2,089	2,124	2,160	2,192
Net Trade	-1,320	-1,411	-1,415	-1,450	-1,488	-1,523	-1,559	-1,595	-1,627	-1,659	-1,688

Senegalese Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	105	104	107	110	111	111	111	111	110	110	110
	(Metric Tons per Hectares)										
Yield	1.86	1.94	1.98	2.00	2.03	2.06	2.08	2.12	2.15	2.18	2.21
	(Thousand Metric Tons)										
Production	195	201	212	219	225	228	231	234	236	239	242
Beginning Stocks	215	280	242	239	247	255	243	252	262	272	282
Domestic Supply	410	481	454	458	472	484	474	487	498	510	524
Consumption	831	812	845	884	927	971	1,018	1,066	1,115	1,166	1,218
Ending Stocks	280	242	239	247	255	243	252	262	272	282	292
Domestic Use	1,111	1,054	1,084	1,131	1,183	1,214	1,270	1,328	1,387	1,448	1,510
Net Trade	-701	-573	-630	-672	-711	-730	-796	-841	-889	-937	-986

Taiwanese Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	255	254	252	248	244	240	238	235	233	231	229
					(Metric Tons per Hectare)						
Yield	3.97	4.15	4.17	4.16	4.17	4.16	4.15	4.15	4.16	4.15	4.18
					(Thousand Metric Tons)						
Production	1,020	1,056	1,051	1,030	1,015	1,000	986	975	969	960	959
Beginning Stocks	202	200	270	330	368	390	393	382	361	339	315
Domestic Supply	1,222	1,256	1,320	1,360	1,383	1,390	1,379	1,358	1,330	1,299	1,274
Consumption	1,092	1,094	1,098	1,100	1,100	1,105	1,104	1,104	1,098	1,092	1,085
Ending Stocks	200	270	330	368	390	393	382	361	339	315	296
Domestic Use	1,292	1,363	1,428	1,467	1,491	1,498	1,486	1,465	1,438	1,407	1,381
Net Trade	-70	-108	-108	-108	-108	-108	-108	-108	-108	-108	-108

Tanzanian Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	680	684	690	696	701	707	712	717	723	728	734
					(Metric Tons per Hectares)						
Yield	1.26	1.33	1.37	1.43	1.45	1.47	1.49	1.51	1.53	1.55	1.57
					(Thousand Metric Tons)						
Production	857	906	947	995	1,018	1,040	1,062	1,085	1,107	1,130	1,153
Beginning Stocks	0	1	4	7	11	15	18	22	26	28	32
Domestic Supply	857	907	952	1,002	1,029	1,055	1,080	1,107	1,133	1,158	1,185
Consumption	935	1,061	1,091	1,129	1,178	1,210	1,251	1,303	1,321	1,358	1,373
Ending Stocks	1	4	7	11	15	18	22	26	28	32	34
Domestic Use	936	1,066	1,099	1,140	1,192	1,228	1,273	1,329	1,349	1,390	1,407
Net Trade	-79	-158	-147	-138	-164	-173	-192	-222	-217	-232	-223

Thai Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
					(Thousand Hectares)						
Area Harvested	10,900	10,929	10,942	10,952	10,970	11,000	11,012	11,034	11,047	11,063	11,065
					(Metric Tons per Hectare)						
Yield	1.88	1.88	1.90	1.92	1.94	1.95	1.97	1.98	2.00	2.02	2.03
					(Thousand Metric Tons)						
Production	20,500	20,567	20,802	21,044	21,296	21,434	21,646	21,871	22,079	22,294	22,482
Beginning Stocks	4,037	5,074	5,032	4,812	4,745	4,751	4,774	4,842	4,831	4,775	4,661
Domestic Supply	24,537	25,640	25,834	25,856	26,041	26,185	26,420	26,713	26,911	27,069	27,143
Consumption	9,665	9,876	9,925	9,975	10,018	10,052	10,043	10,008	10,042	10,042	10,032
Ending Stocks	5,074	5,032	4,812	4,745	4,751	4,774	4,842	4,831	4,775	4,661	4,613
Domestic Use	14,739	14,907	14,738	14,720	14,769	14,826	14,885	14,839	14,817	14,703	14,646
Net Trade	9,798	10,733	11,097	11,136	11,273	11,358	11,535	11,874	12,094	12,366	12,497

Turkish Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	100	100	98	96	96	95	95	94	94	94	93
	(Metric Tons per Hectare)										
Yield	4.30	4.23	4.24	4.25	4.26	4.27	4.28	4.29	4.30	4.34	4.40
	(Thousand Metric Tons)										
Production	430	421	415	410	407	406	405	406	405	407	411
Beginning Stocks	250	228	211	207	203	203	201	200	200	198	195
Domestic Supply	680	649	626	616	611	609	606	605	605	605	607
Consumption	643	650	658	668	681	692	705	720	732	743	758
Ending Stocks	228	211	207	203	203	201	200	200	198	195	195
Domestic Use	871	861	865	871	884	893	905	919	930	939	953
Net Trade	-191	-212	-238	-254	-273	-284	-299	-314	-325	-334	-346

Uruguayan Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	160	159	159	160	160	161	162	164	166	168	170
	(Metric Tons per Hectare)										
Yield	5.60	5.80	5.97	6.14	6.25	6.37	6.62	6.67	6.71	6.83	6.87
	(Thousand Metric Tons)										
Production	896	921	950	982	1,003	1,025	1,073	1,095	1,111	1,145	1,169
Beginning Stocks	63	59	59	59	60	60	60	60	60	60	60
Domestic Supply	959	980	1,009	1,042	1,063	1,085	1,133	1,155	1,171	1,204	1,229
Consumption	150	159	163	166	166	167	171	170	171	173	175
Ending Stocks	59	59	59	60	60	60	60	60	60	60	60
Domestic Use	209	218	223	225	226	227	231	229	231	233	235
Net Trade	750	762	786	816	837	858	902	926	940	972	994

Vietnamese Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	7,330	7,441	7,417	7,409	7,412	7,419	7,407	7,404	7,408	7,415	7,342
	(Metric Tons per Hectare)										
Yield	3.31	3.31	3.34	3.37	3.38	3.39	3.40	3.42	3.44	3.45	3.45
	(Thousand Metric Tons)										
Production	24,300	24,622	24,736	24,981	25,041	25,116	25,202	25,315	25,451	25,552	25,325
Beginning Stocks	1,956	2,099	2,160	2,269	2,394	2,432	2,459	2,490	2,334	2,347	2,368
Domestic Supply	26,256	26,721	26,896	27,250	27,435	27,548	27,661	27,805	27,785	27,900	27,693
Consumption	19,153	19,986	20,048	20,211	20,450	20,365	20,375	20,339	20,463	20,452	20,407
Ending Stocks	2,099	2,160	2,269	2,394	2,432	2,459	2,490	2,334	2,347	2,368	2,229
Domestic Use	21,252	22,146	22,317	22,605	22,882	22,824	22,866	22,672	22,811	22,820	22,636
Net Trade	5,004	4,575	4,580	4,645	4,553	4,723	4,795	5,133	4,974	5,079	5,057

Rest-of-World Rice Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	9,568	6,006	6,896	7,445	7,397	7,582	7,884	7,748	7,601	7,341	7,384
	(Metric Tons per Hectare)										
Yield	2.23	2.68	2.83	2.47	2.43	2.41	2.38	2.62	2.70	2.99	2.89
	(Thousand Metric Tons)										
Production	21,338	16,074	19,490	18,382	17,984	18,272	18,761	20,273	20,511	21,948	21,353
Beginning Stocks	1,976	4,500	2,698	4,830	5,274	4,139	4,485	4,195	5,164	5,367	6,597
Domestic Supply	23,314	20,574	22,188	23,212	23,257	22,412	23,246	24,468	25,676	27,315	27,950
Consumption	28,082	26,249	26,602	27,279	28,036	26,944	28,194	28,618	29,677	30,152	26,520
Ending Stocks	4,500	2,698	4,830	5,274	4,139	4,485	4,195	5,164	5,367	6,597	6,469
Domestic Use	32,582	28,947	31,431	32,553	32,175	31,429	32,389	33,782	35,044	36,749	32,989
Net Trade	-9,599	-8,352	-9,244	-9,341	-8,918	-9,017	-9,143	-9,315	-9,369	-9,434	-9,399

Per Capita Rice Consumption of Selected Countries

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Kilograms)										
Argentina	8.0	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.7	8.8	8.8
Australia	14.8	14.7	15.2	15.5	15.5	15.5	15.6	15.7	15.7	16.0	16.2
Bangladesh	201.2	202.0	200.3	200.2	200.8	201.8	202.1	202.2	202.2	202.4	203.3
Brazil	43.5	46.0	45.8	45.6	45.4	45.3	45.2	45.2	44.6	44.7	44.6
Cambodia	266.1	266.3	267.2	269.7	272.0	274.0	275.9	277.7	279.2	280.7	282.0
Cameroon	17.5	19.1	20.5	21.2	21.4	21.4	21.6	22.6	22.7	23.0	23.0
Canada	10.2	10.6	10.8	11.3	11.8	12.2	12.6	13.0	13.2	13.5	13.7
China	92.4	93.0	93.0	92.5	92.2	91.4	90.3	89.8	89.4	89.2	88.5
Egypt	50.8	48.2	48.2	47.6	47.4	46.8	46.6	46.3	46.1	46.1	46.1
European Union-27	6.3	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.9	7.0	16.0
Ghana	21.2	21.4	21.0	20.4	19.5	18.5	17.9	17.6	17.7	17.7	17.9
Guinea	72.9	79.3	79.6	80.8	81.7	82.6	82.5	83.8	83.6	84.0	83.5
China - Hong Kong	49.7	53.7	54.0	54.3	54.6	55.0	55.3	55.8	56.0	56.3	56.4
India	76.8	77.9	77.8	77.9	77.7	77.7	77.6	77.7	77.3	77.3	77.1
Indonesia	155.7	159.1	157.7	158.0	157.5	157.2	157.7	157.8	157.6	157.1	157.2
Iran	54.2	55.2	55.3	55.7	57.3	56.7	58.0	59.1	59.1	60.0	61.2
Iraq	41.1	42.8	43.9	44.1	44.4	44.5	44.6	44.7	44.8	45.1	45.9
Ivory Coast	62.7	67.0	67.7	71.2	72.1	72.6	73.1	74.0	73.9	74.2	73.7
Japan	64.5	63.4	63.1	61.9	61.5	61.2	60.8	60.4	60.1	60.0	59.9
Kenya	7.6	9.5	9.5	9.6	10.2	10.3	10.6	11.1	11.3	11.6	11.5
Malaysia	95.1	98.1	97.9	97.5	97.9	96.6	96.9	97.0	97.2	97.7	100.0
Mali	71.3	76.2	76.7	76.7	77.4	78.0	77.9	78.7	78.5	79.4	79.4
Mexico	7.0	7.2	7.4	7.6	7.7	7.9	8.1	8.3	8.5	8.7	8.9
Mozambique	24.1	23.2	23.7	24.2	24.6	24.9	25.0	25.5	25.5	26.1	26.0
Myanmar (Burma)	184.4	184.6	184.6	184.5	184.8	184.7	185.0	185.2	185.4	185.7	185.6
Nigeria	34.2	36.0	36.1	36.4	36.6	36.7	36.8	37.1	37.3	37.5	37.6
Pakistan	14.9	16.7	16.9	16.9	16.9	16.8	16.8	16.8	16.7	16.7	16.6
Philippines	140.7	140.5	140.3	140.6	142.1	141.8	142.6	143.1	143.3	143.4	143.3
Saudi Arabia	45.3	46.9	47.4	47.9	48.4	48.8	49.3	49.8	50.1	50.5	50.8
Senegal	60.6	57.6	58.4	59.5	60.8	62.1	63.4	64.8	66.1	67.5	68.9
Sierra Leone	115.8	122.3	122.3	121.7	122.6	122.8	122.4	122.9	122.7	123.3	123.0
South Africa	14.5	19.4	19.8	20.3	20.9	21.4	21.9	22.5	23.1	23.9	24.5
South Korea	102.6	102.0	101.0	99.7	99.0	97.4	95.8	93.8	93.7	92.3	93.0
Taiwan	47.5	47.5	47.6	47.6	47.5	47.7	47.6	47.5	47.2	46.9	46.6
Tanzania	22.8	25.3	25.5	25.9	26.5	26.7	27.1	27.8	27.7	28.0	27.9
Thailand	146.4	148.7	148.6	148.5	148.3	148.1	147.2	146.0	145.9	145.3	144.6
Turkey	8.4	8.3	8.4	8.4	8.4	8.5	8.5	8.6	8.7	8.7	8.8
United States	13.5	13.7	13.8	13.8	13.8	13.9	13.9	14.0	14.0	14.0	14.0
Uruguay	43.0	45.2	46.3	46.8	46.7	46.8	47.7	47.1	47.3	47.7	48.0
Vietnam	216.2	223.1	221.4	220.8	221.1	218.0	216.0	213.5	212.8	210.8	208.5
Rest of World	21.8	20.1	20.0	20.2	20.5	19.4	20.0	20.0	20.4	20.5	17.7
World	64.6	65.1	64.9	64.8	64.8	64.3	64.2	64.1	64.0	63.9	63.8

WORLD COARSE GRAINS

World Coarse Grains

The world coarse grain area is projected to increase in 2010/11 by 1.3 mha, to 253.6 mha. Coarse grain area reaches 260.4 mha in 2019/20. Corn area increases the most, especially in the U.S. and in Asian countries, followed by sorghum. Barley area declines over the projection period. World coarse grain production is projected to reach 1.140 billion mt in 2019/20, whereas coarse grain consumption reaches 1.139 billion mt that year.

The corn price increases to \$168.32 per mt in 2010/11. It is projected to increase further in 2011/12 to \$170.04 per mt. It reaches \$175.6 per mt in 2019/20. The stocks-to-use ratio decreases to 16.3% in 2009/10. It decreases over the next 10 years to reach 14.3% in 2019/20 because of consumption growth.

World corn area decreased by 2.2 mha in 2009/10, to 155.1 mha, because of decreases in EU, Argentine, Brazilian and Mexican corn area. It increases to 156.0 mha in 2010/11 and reaches 161.8 mha in 2019/20. Production reaches 918.9 mmt in 2019/20 because of growth in area and yields.

Corn feed use increases by 45.8 mmt over the next decade, reaching 536.2 mmt, because of growth in the livestock sector. The largest demand increase comes from Asian countries, followed by Latin American countries. Food and industrial use reaches 381.5 mmt in 2019/20. Both population growth and the continuing growth of the ethanol industry contribute to the rising demand.

In 2009/10, corn net trade increases since consumption increases more than production. In 2010/11 corn net trade declines. Over the next 10 years, corn net trade is projected to increase, reaching 92.5 mmt in 2019/20, because of demand growth in major importing regions such as Asia, Africa, and the Middle East.

Argentina increases its corn production by 7.7 mmt over the next 10 years because of growth in area and yields. Argentina's net exports increase by 7.2 mmt, reaching 15.2 mmt in 2019/20. Brazilian production grows by 10.9 mmt over the projection period. Brazil's net exports reach only 4.0 mmt in 2019/20 as domestic consumption growth exceeds production growth.

The largest demand increase for corn comes from Asian countries because of growth in their livestock industry and therefore in feed demand. Asian net imports increase by 7.3 mmt over the next decade. African net imports increase by 2.0 mmt over the projection period. China becomes a net importer of corn in 2011/12, with imports reaching 3.4 mmt in 2019/20. Among Latin American countries, Mexico maintains its role as a major importer, with imports reaching 11.0 mmt in 2019/20. Mexico also increases its imports of U.S. corn by-products. Middle Eastern corn net imports reach 10.2 mmt in 2019/20.

The world sorghum price increases in 2009/10 because of lower production. It is projected to increase again in 2010/11, to \$172.3 per mt. World sorghum net trade grows slightly over the projection period, reaching 5.0 mmt by 2019/20 with growth in demand. Mexico's net imports of sorghum reach 2.2 mmt and Japan's net imports reach 1.7 mmt in 2019/20.

The barley price decreases in 2010/11 to \$131.9 per mt with high carryover stocks that increase the supply. Net trade reaches 18.8 mmt in 2019/20. The EU's barley net exports reach only 2.1 mmt in 2019/20. Australian net exports decrease in 2010/11 because of lower production. They reach 2.9 mmt by 2019/20.

Corn Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	7,975	11,188	12,572	13,137	13,751	14,428	14,752	14,998	15,041	15,146	15,217
Australia	10	6	-2	-10	-20	-25	-28	-31	-35	-38	-41
Brazil	7,750	3,258	4,262	4,388	4,400	4,562	4,804	4,725	4,367	4,456	4,051
China	450	323	-674	-1,106	-1,708	-2,033	-2,124	-2,167	-2,591	-3,052	-3,420
South Africa	1,475	2,187	2,440	2,558	2,570	2,718	2,749	2,848	3,263	3,575	3,807
Thailand	250	383	537	588	528	536	544	555	566	572	578
Ukraine	4,990	5,063	5,161	5,239	5,253	5,250	5,267	5,283	5,302	5,282	5,295
United States	51,826	50,996	51,791	53,364	55,019	55,365	56,561	57,406	59,190	60,649	61,819
Total Net Exports *	77,596	75,735	78,951	81,217	83,128	84,386	86,168	87,363	89,360	91,354	92,457
Net Importers											
Algeria	2,100	2,080	2,104	2,111	2,121	2,128	2,134	2,140	2,143	2,148	2,158
Canada	1,700	1,392	1,162	1,174	1,351	1,287	1,342	1,352	1,385	1,578	1,711
Egypt	4,200	4,099	4,595	4,916	5,190	5,391	5,723	5,949	6,268	6,521	6,599
European Union	1,000	829	1,006	1,062	1,006	982	1,145	1,194	1,227	1,211	1,173
India	-995	-672	-617	-391	-66	300	501	553	671	808	775
Indonesia	0	673	833	767	676	676	705	720	747	807	778
Israel	1,000	1,154	1,173	1,176	1,179	1,180	1,183	1,190	1,193	1,199	1,208
Japan	16,300	16,636	17,437	17,854	18,052	18,123	18,068	18,005	18,107	18,117	18,197
Malaysia	2,590	2,543	2,562	2,571	2,585	2,599	2,614	2,636	2,651	2,670	2,695
Mexico	9,450	9,490	9,571	9,750	9,790	10,080	10,130	10,494	10,709	10,833	10,991
Other Africa	4,655	3,928	4,665	5,407	5,873	5,857	6,053	5,936	6,194	6,471	6,532
Other Asia	-50	-43	-129	-100	-59	-15	15	49	105	175	190
Other CIS †	0	-2	30	59	110	155	199	243	295	344	389
Other Eastern Europe ‡	320	256	279	359	438	509	554	577	580	578	567
Other Latin America	11,880	10,191	10,781	11,220	11,149	11,054	11,177	11,365	11,411	11,553	11,752
Other Middle East	7,625	8,275	8,519	8,560	8,721	8,586	8,750	8,823	8,885	8,944	9,000
Pakistan	10	10	10	10	10	10	10	10	10	10	10
Philippines	400	471	455	499	597	656	676	702	737	787	771
Russia	50	160	42	62	113	180	274	349	459	565	594
South Korea	7,500	7,180	7,195	7,040	7,006	7,045	7,108	7,101	7,086	7,008	6,964
Taiwan	4,600	4,178	3,807	3,493	3,393	3,460	3,546	3,627	3,650	3,628	3,600
Vietnam	700	675	534	495	526	556	594	634	705	795	827
Rest of World	-1,825	-1,614	-1,444	-1,453	-1,484	-1,512	-1,490	-1,548	-1,632	-1,675	-1,690
Residual	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516	1,516
Total Net Imports	77,596	75,735	78,951	81,217	83,128	84,386	86,168	87,363	89,360	91,354	92,457
Coarse Grain Prices	(U.S. Dollars per Metric Ton)										
Corn (FOB Gulf)	163	168	170	171	173	175	177	177	178	178	176
Sorghum (FOB Gulf)	169	172	172	174	176	178	181	182	184	186	183
Barley (Canada Feed)	135	132	143	135	137	139	143	142	143	144	148

* Total net exports are the sum of all positive net exports and negative net imports.

† Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan.

‡ Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Serbia, Montenegro.

Barley Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	900	821	856	879	874	889	910	925	937	954	976
Australia	3,800	2,729	2,828	3,055	2,890	2,894	2,888	2,889	2,892	2,914	2,963
Canada	1,450	1,704	2,035	2,559	2,738	2,991	3,094	3,197	3,263	3,285	3,350
European Union	1,850	2,533	2,357	2,042	2,198	2,076	2,165	2,152	2,114	2,104	2,058
Other CIS *	591	856	934	943	921	927	946	955	961	973	992
Russia	2,100	1,084	1,019	1,309	1,960	1,994	2,123	2,206	2,269	2,410	2,316
Ukraine	5,995	6,692	6,724	6,742	6,520	6,464	6,404	6,342	6,256	6,179	6,091
United States	-435	93	-45	-135	-143	-141	-127	-138	-135	-140	-157
Total Net Exports †	16,686	16,525	16,752	17,528	18,101	18,236	18,529	18,666	18,693	18,818	18,768
Net Importers											
Algeria	0	-11	96	183	224	226	232	250	161	190	176
Brazil	250	444	436	457	466	470	469	476	481	488	485
China	1,480	1,398	1,443	1,714	1,834	1,974	2,086	2,121	2,159	2,174	2,192
Israel	325	342	330	346	344	343	341	343	343	343	338
Japan	1,400	1,385	1,388	1,488	1,502	1,500	1,482	1,479	1,470	1,467	1,448
Mexico	150	242	44	116	90	81	70	69	74	77	73
Other Africa	630	1,012	1,209	1,272	1,284	1,323	1,459	1,470	1,503	1,537	1,556
Other Asia	100	86	41	36	101	102	93	91	103	104	88
Other Eastern Europe ‡	80	115	123	135	149	156	159	160	159	157	151
Other Latin America	400	469	354	465	476	517	537	559	582	605	621
Other Middle East	3,110	3,144	3,140	3,139	3,223	3,209	3,183	3,168	3,158	3,144	3,099
Pakistan	0	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	8,000	7,581	7,864	7,787	7,990	7,930	8,050	8,108	8,136	8,172	8,176
South Africa	75	91	85	79	78	73	68	64	60	56	50
Taiwan	50	52	47	50	51	52	52	53	54	54	53
Rest of World	95	59	2	20	41	33	14	10	9	3	-21
Residual	106	106	106	106	106	106	106	106	106	106	106
Total Net Imports	16,686	16,525	16,752	17,528	18,101	18,236	18,529	18,666	18,693	18,818	18,768
Coarse Grain Prices	(U.S. Dollars per Metric Ton)										
Corn (FOB Gulf)	163	168	170	171	173	175	177	177	178	178	176
Sorghum (FOB Gulf)	169	172	172	174	176	178	181	182	184	186	183
Barley (Canada Feed)	135	132	143	135	137	139	143	142	143	144	148

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan.

† Total net exports are the sum of all positive net exports and negative net imports.

‡ Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Serbia, Montenegro.

Sorghum Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	1,000	526	727	777	817	854	879	885	901	901	906
Australia	1,000	676	685	732	786	825	791	748	748	750	759
United States	3,558	3,505	3,245	3,173	3,185	3,147	3,180	3,242	3,333	3,479	3,272
Total Net Exports *	5,668	4,810	4,728	4,802	4,889	4,957	4,964	4,991	5,109	5,216	5,013
Net Importers											
India	-25	-34	0	-49	-25	-57	-39	-40	-49	-11	16
Israel	75	75	73	73	71	71	69	68	67	66	67
Japan	1,500	1,481	1,573	1,632	1,657	1,661	1,651	1,642	1,635	1,635	1,654
Mexico	2,600	2,654	2,473	2,407	2,375	2,368	2,362	2,382	2,441	2,472	2,202
Nigeria	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
Pakistan	0	0	0	0	0	0	0	0	0	0	0
South Africa	-35	-19	-21	-21	-25	-25	-25	-26	-27	-26	-27
Rest of World	1,357	463	472	555	650	722	747	763	830	908	938
Residual	136	136	136	136	136	136	136	136	136	136	136
Total Net Imports	5,668	4,810	4,728	4,802	4,889	4,957	4,964	4,991	5,109	5,216	5,013
Coarse Grain Prices	(U.S. Dollars per Metric Ton)										
Corn (FOB Gulf)	163	168	170	171	173	175	177	177	178	178	176
Sorghum (FOB Gulf)	169	172	172	174	176	178	181	182	184	186	183
Barley (Canada Feed)	135	132	143	135	137	139	143	142	143	144	148

* Total net exports are the sum of all positive net exports and negative net imports.

World Corn Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	155,093	156,028	157,337	158,006	158,662	159,473	159,874	160,399	160,843	161,426	161,758
	(Metric Tons per Hectare)										
Yield	5.13	5.16	5.23	5.29	5.35	5.41	5.47	5.53	5.59	5.63	5.68
	(Thousand Metric Tons)										
Production	795,935	804,744	823,205	835,829	848,863	863,370	875,022	887,612	898,623	909,205	918,887
Beginning Stocks	143,305	131,739	127,413	127,514	127,531	127,551	127,674	127,410	127,964	128,483	130,017
Domestic Supply	939,240	936,483	950,618	963,343	976,395	990,921	1,002,696	1,015,021	1,026,588	1,037,689	1,048,904
Feed Use	490,386	478,097	487,569	494,464	500,895	507,480	513,275	519,708	525,224	530,019	536,213
Food and Other	317,114	330,973	335,535	341,348	347,948	355,767	362,011	367,349	372,881	377,653	381,498
Ending Stocks	131,739	127,413	127,514	127,531	127,551	127,674	127,410	127,964	128,483	130,017	131,193
Domestic Use	939,240	936,483	950,618	963,343	976,395	990,921	1,002,696	1,015,021	1,026,588	1,037,689	1,048,904
Trade *	77,596	75,735	78,951	81,217	83,128	84,386	86,168	87,363	89,360	91,354	92,457
	(Percent)										
Stocks-to-Use Ratio	16.31	15.75	15.49	15.26	15.03	14.79	14.56	14.43	14.31	14.32	14.30

* Excludes intraregional trade.

World Barley Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	55,246	53,452	53,670	54,433	54,585	54,558	54,588	54,657	54,630	54,685	54,623
	(Metric Tons per Hectare)										
Yield	2.70	2.63	2.64	2.66	2.67	2.69	2.71	2.73	2.75	2.76	2.78
	(Thousand Metric Tons)										
Production	149,183	140,631	141,583	144,573	145,859	147,003	148,135	149,128	150,012	151,063	151,964
Beginning Stocks	29,297	31,261	28,754	26,175	24,866	24,732	24,837	24,966	25,233	25,314	25,450
Domestic Supply	178,480	171,892	170,337	170,748	170,724	171,736	172,972	174,094	175,245	176,378	177,414
Feed Use	102,659	97,028	97,551	97,877	97,811	98,288	98,973	99,407	100,063	100,589	100,416
Food and Other	44,560	46,111	46,611	48,006	48,182	48,611	49,033	49,454	49,868	50,339	51,548
Ending Stocks	31,261	28,754	26,175	24,866	24,732	24,837	24,966	25,233	25,314	25,450	25,450
Domestic Use	178,480	171,892	170,337	170,748	170,725	171,736	172,972	174,095	175,246	176,378	177,415
Trade *	16,686	16,525	16,752	17,528	18,101	18,236	18,529	18,666	18,693	18,818	18,768
	(Percent)										
Stocks-to-Use Ratio	21.23	20.09	18.16	17.04	16.94	16.91	16.87	16.95	16.88	16.86	16.75

* Excludes intraregional trade.

World Sorghum Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Thousand Hectares)										
Area Harvested	41,904	44,091	44,846	44,576	44,422	44,104	44,058	44,133	44,082	44,031	44,005
	(Metric Tons per Hectare)										
Yield	1.49	1.52	1.53	1.54	1.54	1.55	1.56	1.57	1.57	1.57	1.58
	(Thousand Metric Tons)										
Production	62,349	66,914	68,566	68,681	68,507	68,303	68,631	69,088	69,130	69,071	69,631
Beginning Stocks	4,638	4,754	5,146	5,259	5,277	5,288	5,296	5,288	5,323	5,345	5,370
Domestic Supply	66,987	71,668	73,713	73,940	73,784	73,591	73,926	74,376	74,453	74,416	75,001
Feed Use	24,911	25,853	26,169	26,020	25,907	25,854	25,795	25,745	25,712	25,653	25,574
Food and Other	37,322	40,669	42,286	42,644	42,590	42,442	42,843	43,308	43,397	43,393	43,969
Ending Stocks	4,754	5,146	5,259	5,277	5,288	5,296	5,288	5,323	5,345	5,370	5,458
Domestic Use	66,987	71,668	73,713	73,940	73,784	73,591	73,927	74,377	74,453	74,416	75,001
Trade *	5,668	4,810	4,728	4,802	4,889	4,957	4,964	4,991	5,109	5,216	5,013
	(Percent)										
Stocks-to-Use Ratio	7.64	7.74	7.68	7.68	7.72	7.75	7.70	7.71	7.73	7.78	7.85

* Excludes intraregional trade.

U.S. Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	32,225	33,314	33,584	33,530	33,694	33,822	33,868	33,877	33,877	33,924	33,816
	(Metric Tons per Hectare)										
Yield	10.37	10.03	10.16	10.29	10.43	10.56	10.70	10.85	10.98	11.11	11.23
	(Thousand Metric Tons)										
Production	334,052	333,998	341,330	345,085	351,346	357,259	362,464	367,508	372,035	376,889	379,799
Beginning Stocks	42,504	43,778	40,664	40,342	39,608	39,233	39,021	38,652	38,924	38,803	39,157
Domestic Supply	376,556	377,785	381,995	385,427	390,953	396,492	401,485	406,160	410,959	415,692	418,957
Feed Use	139,868	133,965	135,417	135,987	136,584	136,924	137,289	138,377	138,755	139,681	140,330
Food and Other	141,084	152,159	154,444	156,468	160,118	165,182	168,982	171,455	174,211	176,205	176,998
Ending Stocks	43,778	40,664	40,342	39,608	39,233	39,021	38,652	38,924	38,803	39,157	39,809
Domestic Use	324,731	326,789	330,203	332,063	335,935	341,127	344,924	348,755	351,769	355,043	357,138
Net Trade	51,826	50,996	51,791	53,364	55,019	55,365	56,561	57,406	59,190	60,649	61,819
Sorghum	(Thousand Hectares)										
Area Harvested	2,234	2,518	2,457	2,394	2,368	2,346	2,324	2,303	2,289	2,278	2,248
	(Metric Tons per Hectare)										
Yield	4.35	4.03	4.04	4.04	4.05	4.06	4.07	4.08	4.09	4.09	4.10
	(Thousand Metric Tons)										
Production	9,728	10,138	9,922	9,674	9,586	9,516	9,454	9,400	9,360	9,327	9,211
Beginning Stocks	1,390	1,390	1,461	1,466	1,431	1,414	1,406	1,392	1,397	1,397	1,404
Domestic Supply	11,118	11,528	11,383	11,140	11,018	10,929	10,860	10,792	10,757	10,724	10,615
Feed Use	3,783	3,992	3,970	3,770	3,600	3,469	3,312	3,136	2,976	2,781	2,809
Food and Other	2,388	2,570	2,703	2,766	2,819	2,907	2,976	3,017	3,050	3,060	3,093
Ending Stocks	1,390	1,461	1,466	1,431	1,414	1,406	1,392	1,397	1,397	1,404	1,441
Domestic Use	7,560	8,023	8,139	7,968	7,832	7,783	7,680	7,550	7,424	7,245	7,344
Net Trade	3,558	3,505	3,245	3,173	3,185	3,147	3,180	3,242	3,333	3,479	3,272

U.S. Coarse Grain Supply and Utilization (continued)

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Barley	(Thousand Hectares)										
Area Harvested	1,260	1,291	1,203	1,211	1,204	1,189	1,170	1,148	1,128	1,109	1,089
	(Metric Tons per Hectare)										
Yield Actual	3.93	3.62	3.66	3.69	3.72	3.75	3.79	3.82	3.85	3.89	3.92
	(Thousand Metric Tons)										
Production	4,949	4,673	4,399	4,468	4,482	4,463	4,429	4,385	4,348	4,313	4,273
Beginning Stocks	1,932	2,478	2,175	1,940	1,912	1,911	1,915	1,916	1,926	1,932	1,941
Domestic Supply	6,881	7,151	6,574	6,408	6,393	6,374	6,344	6,300	6,274	6,245	6,214
Feed Use	1,125	1,120	919	881	863	840	804	756	712	672	633
Food and Other	3,713	3,763	3,760	3,751	3,762	3,761	3,752	3,757	3,766	3,773	3,778
Ending Stocks	2,478	2,175	1,940	1,912	1,911	1,915	1,916	1,926	1,932	1,941	1,960
Domestic Use	7,316	7,058	6,619	6,543	6,537	6,516	6,472	6,439	6,410	6,386	6,371
Net Trade	-435	93	-45	-135	-143	-141	-127	-138	-135	-140	-157

Algerian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
	(Thousand Hectares)										
Area Harvested	1	1	1	1	1	1	1	1	1	1	1
	(Metric Tons per Hectare)										
Yield	1.00	1.01	1.01	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.03
	(Thousand Metric Tons)										
Production	1	1	1	1	1	1	1	1	1	1	1
Beginning Stocks	313	314	314	316	318	321	322	323	324	325	326
Domestic Supply	314	315	315	317	319	322	323	324	326	326	327
Feed Use	2,100	2,082	2,103	2,109	2,120	2,127	2,134	2,140	2,143	2,148	2,158
Food and Other	0	0	0	0	0	0	0	0	0	0	0
Ending Stocks	314	314	316	318	321	322	323	324	325	326	327
Domestic Use	2,414	2,395	2,419	2,427	2,440	2,450	2,458	2,465	2,468	2,474	2,485
Net Trade	-2,100	-2,080	-2,104	-2,111	-2,121	-2,128	-2,134	-2,140	-2,143	-2,148	-2,158
Barley											
	(Thousand Hectares)										
Area Harvested	1,100	817	765	770	762	760	761	762	761	762	763
	(Metric Tons per Hectare)										
Yield	1.82	1.10	1.11	1.12	1.14	1.15	1.16	1.17	1.18	1.19	1.20
	(Thousand Metric Tons)										
Production	2,000	901	852	865	865	872	881	890	897	907	916
Beginning Stocks	234	884	683	572	540	541	549	571	617	576	574
Domestic Supply	2,234	1,785	1,535	1,437	1,404	1,413	1,430	1,461	1,514	1,483	1,490
Feed Use	1,200	938	904	922	925	925	923	925	926	924	919
Food and Other	150	152	154	159	162	165	167	170	172	175	176
Ending Stocks	884	683	572	540	541	549	571	617	576	574	570
Domestic Use	2,234	1,774	1,630	1,621	1,628	1,639	1,661	1,711	1,675	1,673	1,665
Net Trade	0	11	-96	-183	-224	-226	-232	-250	-161	-190	-176

Argentine Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
					(Thousand Hectares)						
Area Harvested	2,000	2,452	2,608	2,688	2,726	2,800	2,803	2,819	2,824	2,839	2,852
					(Metric Tons per Hectare)						
Yield	7.50	7.20	7.30	7.39	7.47	7.56	7.66	7.76	7.83	7.89	7.97
					(Thousand Metric Tons)						
Production	15,000	17,656	19,026	19,865	20,371	21,171	21,465	21,885	22,098	22,402	22,723
Beginning Stocks	410	1,535	1,727	1,764	1,783	1,797	1,807	1,815	1,831	1,839	1,845
Domestic Supply	15,410	19,191	20,753	21,629	22,154	22,968	23,272	23,700	23,929	24,241	24,568
Feed Use	4,000	4,319	4,433	4,690	4,557	4,658	4,603	4,733	4,888	5,063	5,279
Food and Other	1,900	1,958	1,985	2,018	2,049	2,075	2,102	2,138	2,162	2,187	2,215
Ending Stocks	1,535	1,727	1,764	1,783	1,797	1,807	1,815	1,831	1,839	1,845	1,856
Domestic Use	7,435	8,003	8,182	8,491	8,403	8,540	8,520	8,702	8,888	9,095	9,350
Net Trade	7,975	11,188	12,572	13,137	13,751	14,428	14,752	14,998	15,041	15,146	15,217
Sorghum											
					(Thousand Hectares)						
Area Harvested	700	627	637	639	638	638	637	636	637	638	634
					(Metric Tons per Hectare)						
Yield	4.71	4.73	4.76	4.80	4.82	4.89	4.95	5.00	5.04	5.07	5.15
					(Thousand Metric Tons)						
Production	3,300	2,966	3,033	3,068	3,079	3,119	3,152	3,179	3,212	3,235	3,267
Beginning Stocks	105	705	841	875	887	894	899	902	906	908	909
Domestic Supply	3,405	3,671	3,874	3,943	3,966	4,013	4,050	4,081	4,118	4,144	4,176
Feed Use	1,500	2,104	2,069	2,075	2,051	2,055	2,064	2,083	2,102	2,126	2,150
Food and Other	200	201	202	204	205	206	206	207	207	207	207
Ending Stocks	705	841	875	887	894	899	902	906	908	909	914
Domestic Use	2,405	3,145	3,146	3,166	3,150	3,159	3,172	3,196	3,217	3,242	3,271
Net Trade	1,000	526	727	777	817	854	879	885	901	901	906
Barley											
					(Thousand Hectares)						
Area Harvested	500	469	468	475	468	468	468	470	469	470	470
					(Metric Tons per Hectare)						
Yield	3.20	3.25	3.29	3.34	3.39	3.44	3.48	3.53	3.58	3.62	3.67
					(Thousand Metric Tons)						
Production	1,600	1,523	1,541	1,586	1,587	1,606	1,631	1,658	1,678	1,703	1,727
Beginning Stocks	142	142	144	141	145	147	148	147	149	149	150
Domestic Supply	1,742	1,665	1,685	1,727	1,732	1,753	1,778	1,805	1,826	1,852	1,877
Feed Use	250	238	231	232	233	235	237	241	246	252	257
Food and Other	450	462	457	472	478	482	484	490	494	497	496
Ending Stocks	142	144	141	145	147	148	147	149	149	150	149
Domestic Use	842	844	829	848	858	864	869	880	889	898	901
Net Trade	900	821	856	879	874	889	910	925	937	954	976

Australian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
	(Thousand Hectares)										
Area Harvested	65	65	67	66	67	67	66	66	66	66	66
	(Metric Tons per Hectare)										
Yield	5.38	5.48	5.57	5.65	5.68	5.73	5.81	5.89	5.96	6.01	6.06
	(Thousand Metric Tons)										
Production	350	357	371	375	378	381	386	391	395	398	401
Beginning Stocks	31	46	38	37	36	36	36	36	36	37	37
Domestic Supply	381	403	410	412	414	418	423	427	431	435	437
Feed Use	200	234	248	257	267	273	279	285	290	294	298
Food and Other	125	125	127	129	131	133	135	137	139	142	144
Ending Stocks	46	38	37	36	36	36	36	36	37	37	37
Domestic Use	371	397	411	423	434	442	450	459	466	473	479
Net Trade	10	6	-2	-10	-20	-25	-28	-31	-35	-38	-41
Sorghum											
	(Thousand Hectares)										
Area Harvested	630	733	748	748	752	757	761	763	763	766	768
	(Metric Tons per Hectare)										
Yield	2.94	2.96	3.02	3.11	3.21	3.28	3.27	3.25	3.28	3.30	3.34
	(Thousand Metric Tons)										
Production	1,850	2,172	2,255	2,326	2,411	2,485	2,487	2,478	2,505	2,529	2,565
Beginning Stocks	139	84	94	98	99	100	101	101	102	103	103
Domestic Supply	1,989	2,256	2,349	2,423	2,511	2,585	2,588	2,579	2,607	2,632	2,668
Feed Use	900	1,482	1,561	1,587	1,619	1,655	1,690	1,724	1,752	1,774	1,800
Food and Other	5	5	5	5	5	5	5	5	5	5	5
Ending Stocks	84	94	98	99	100	101	101	102	103	103	104
Domestic Use	989	1,581	1,664	1,691	1,724	1,761	1,797	1,831	1,859	1,882	1,909
Net Trade	1,000	676	685	732	786	825	791	748	748	750	759
Barley											
	(Thousand Hectares)										
Area Harvested	4,500	4,378	4,459	4,487	4,459	4,466	4,466	4,474	4,475	4,479	4,480
	(Metric Tons per Hectare)										
Yield	1.84	1.64	1.66	1.68	1.69	1.71	1.73	1.74	1.76	1.78	1.80
	(Thousand Metric Tons)										
Production	8,300	7,190	7,398	7,522	7,550	7,639	7,714	7,804	7,882	7,966	8,044
Beginning Stocks	2,597	2,797	2,856	2,953	2,870	2,882	2,888	2,890	2,897	2,903	2,909
Domestic Supply	10,897	9,987	10,254	10,475	10,420	10,521	10,602	10,694	10,779	10,870	10,953
Feed Use	3,200	3,288	3,351	3,411	3,490	3,568	3,642	3,714	3,775	3,826	3,850
Food and Other	1,100	1,114	1,121	1,140	1,157	1,171	1,182	1,195	1,208	1,222	1,230
Ending Stocks	2,797	2,856	2,953	2,870	2,882	2,888	2,890	2,897	2,903	2,909	2,910
Domestic Use	7,097	7,257	7,426	7,421	7,529	7,627	7,714	7,806	7,887	7,956	7,990
Net Trade	3,800	2,729	2,828	3,055	2,890	2,894	2,888	2,889	2,892	2,914	2,963

Brazilian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
	(Thousand Hectares)										
Area Harvested	13,182	13,369	13,732	13,930	14,035	14,123	14,200	14,238	14,227	14,274	14,273
	(Metric Tons per Hectare)										
Yield	3.83	3.80	3.87	3.90	3.94	4.00	4.06	4.12	4.17	4.24	4.30
	(Thousand Metric Tons)										
Production	50,488	50,823	53,186	54,284	55,353	56,506	57,694	58,698	59,270	60,564	61,410
Beginning Stocks	10,613	6,851	6,643	6,621	6,613	6,606	6,601	6,596	6,599	6,597	6,600
Domestic Supply	61,101	57,674	59,829	60,905	61,966	63,112	64,295	65,294	65,868	67,161	68,010
Feed Use	37,473	38,612	39,634	40,442	41,344	42,180	42,972	43,876	44,647	45,674	46,728
Food and Other	9,027	9,162	9,312	9,463	9,617	9,769	9,923	10,094	10,258	10,432	10,623
Ending Stocks	6,851	6,643	6,621	6,613	6,606	6,601	6,596	6,599	6,597	6,600	6,608
Domestic Use	53,351	54,416	55,567	56,518	57,567	58,550	59,491	60,569	61,502	62,705	63,959
Net Trade	7,750	3,258	4,262	4,388	4,400	4,562	4,804	4,725	4,367	4,456	4,051
Barley											
	(Thousand Hectares)										
Area Harvested	78	78	76	76	76	77	78	78	79	79	80
	(Metric Tons per Hectare)										
Yield	2.60	2.65	2.70	2.75	2.80	2.85	2.89	2.94	2.99	3.04	3.09
	(Thousand Metric Tons)										
Production	202	207	206	210	214	219	225	231	236	241	247
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	202	207	206	210	214	219	225	231	236	241	247
Feed Use	0	0	0	0	0	0	0	0	0	0	0
Food and Other	452	651	642	666	680	689	694	707	717	729	732
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	452	651	642	666	680	689	694	707	717	729	732
Net Trade	-250	-444	-436	-457	-466	-470	-469	-476	-481	-488	-485

Canadian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
					(Thousand Hectares)						
Area Harvested	1,400	1,222	1,251	1,268	1,270	1,296	1,301	1,312	1,314	1,310	1,322
					(Metric Tons per Hectare)						
Yield	6.83	8.65	8.74	8.76	8.75	8.75	8.76	8.83	8.93	9.01	9.08
					(Thousand Metric Tons)						
Production	9,560	10,580	10,932	11,100	11,109	11,346	11,392	11,582	11,731	11,800	12,001
Beginning Stocks	1,857	1,317	1,438	1,466	1,481	1,486	1,484	1,475	1,479	1,486	1,494
Domestic Supply	11,417	11,897	12,371	12,566	12,590	12,832	12,876	13,057	13,209	13,286	13,495
Feed Use	7,500	7,312	7,366	7,455	7,532	7,601	7,592	7,630	7,629	7,706	7,845
Food and Other	4,300	4,538	4,700	4,805	4,922	5,035	5,151	5,300	5,480	5,664	5,855
Ending Stocks	1,317	1,438	1,466	1,481	1,486	1,484	1,475	1,479	1,486	1,494	1,505
Domestic Use	13,117	13,289	13,532	13,741	13,940	14,119	14,218	14,409	14,595	14,864	15,205
Net Trade	-1,700	-1,392	-1,162	-1,174	-1,351	-1,287	-1,342	-1,352	-1,385	-1,578	-1,711
Barley											
					(Thousand Hectares)						
Area Harvested	2,920	3,105	3,252	3,448	3,490	3,525	3,519	3,569	3,579	3,583	3,596
					(Metric Tons per Hectare)						
Yield	3.26	3.20	3.24	3.27	3.30	3.33	3.36	3.37	3.38	3.39	3.40
					(Thousand Metric Tons)						
Production	9,520	9,946	10,519	11,260	11,506	11,733	11,821	12,027	12,101	12,153	12,239
Beginning Stocks	2,843	2,463	2,321	2,266	2,317	2,349	2,342	2,312	2,325	2,339	2,351
Domestic Supply	12,363	12,409	12,840	13,526	13,822	14,082	14,164	14,339	14,426	14,492	14,590
Feed Use	7,100	6,943	7,105	7,172	7,240	7,245	7,254	7,297	7,289	7,308	7,344
Food and Other	1,350	1,441	1,434	1,480	1,496	1,504	1,504	1,520	1,535	1,548	1,549
Ending Stocks	2,463	2,321	2,266	2,317	2,349	2,342	2,312	2,325	2,339	2,351	2,346
Domestic Use	10,913	10,705	10,805	10,968	11,085	11,091	11,070	11,142	11,163	11,207	11,240
Net Trade	1,450	1,704	2,035	2,559	2,738	2,991	3,094	3,197	3,263	3,285	3,350

Chinese Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	30,000	29,069	29,245	29,525	29,665	29,806	29,965	30,054	30,121	30,210	30,372
	(Metric Tons per Hectare)										
Yield	5.17	5.47	5.58	5.67	5.74	5.84	5.90	5.99	6.10	6.16	6.19
	(Thousand Metric Tons)										
Production	155,000	159,100	163,171	167,535	170,391	174,065	176,655	180,138	183,757	185,980	188,056
Beginning Stocks	53,169	48,719	47,773	48,056	48,375	48,329	48,627	48,508	48,466	48,854	49,723
Domestic Supply	208,169	207,819	210,944	215,591	218,766	222,394	225,282	228,646	232,223	234,834	237,779
Feed Use	116,000	113,761	117,206	120,657	123,527	126,472	128,885	131,599	134,247	135,627	137,984
Food and Other	43,000	45,961	46,356	47,665	48,619	49,327	50,013	50,749	51,713	52,536	53,392
Ending Stocks	48,719	47,773	48,056	48,375	48,329	48,627	48,508	48,466	48,854	49,723	49,823
Domestic Use	207,719	207,496	211,618	216,697	220,475	224,427	227,406	230,813	234,813	237,886	241,199
Net Trade	450	323	-674	-1,106	-1,708	-2,033	-2,124	-2,167	-2,591	-3,052	-3,420
Barley	(Thousand Hectares)										
Area Harvested	800	833	842	857	846	849	853	857	859	861	864
	(Metric Tons per Hectare)										
Yield	3.88	3.93	3.99	4.05	4.11	4.17	4.22	4.28	4.34	4.40	4.46
	(Thousand Metric Tons)										
Production	3,100	3,277	3,363	3,470	3,473	3,535	3,602	3,672	3,727	3,790	3,853
Beginning Stocks	430	510	523	523	535	542	547	550	554	557	560
Domestic Supply	3,530	3,787	3,886	3,993	4,008	4,077	4,149	4,222	4,281	4,347	4,413
Feed Use	300	236	224	263	244	236	216	215	198	193	179
Food and Other	4,200	4,425	4,581	4,909	5,057	5,268	5,469	5,574	5,685	5,768	5,864
Ending Stocks	510	523	523	535	542	547	550	554	557	560	562
Domestic Use	5,010	5,185	5,329	5,707	5,842	6,051	6,235	6,343	6,440	6,521	6,605
Net Trade	-1,480	-1,398	-1,443	-1,714	-1,834	-1,974	-2,086	-2,121	-2,159	-2,174	-2,192

Egyptian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	735	731	731	730	726	723	722	716	717	717	720
	(Metric Tons per Hectare)										
Yield	8.57	8.71	8.74	8.77	8.86	8.94	8.93	8.91	8.85	8.93	9.01
	(Thousand Metric Tons)										
Production	6,300	6,368	6,392	6,408	6,430	6,469	6,444	6,377	6,339	6,402	6,490
Beginning Stocks	1,262	862	728	738	742	746	749	751	754	756	758
Domestic Supply	7,562	7,230	7,120	7,146	7,173	7,215	7,194	7,128	7,093	7,158	7,249
Feed Use	8,600	8,414	8,796	9,166	9,453	9,689	9,996	10,145	10,431	10,745	10,905
Food and Other	2,300	2,186	2,182	2,153	2,164	2,168	2,170	2,178	2,174	2,176	2,180
Ending Stocks	862	728	738	742	746	749	751	754	756	758	763
Domestic Use	11,762	11,328	11,715	12,062	12,363	12,606	12,917	13,077	13,361	13,679	13,847
Net Trade	-4,200	-4,099	-4,595	-4,916	-5,190	-5,391	-5,723	-5,949	-6,268	-6,521	-6,599

European Union Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	8,519	8,493	8,484	8,577	8,706	8,807	8,844	8,874	8,906	8,924	8,963
	(Metric Tons per Hectare)										
Yield	6.59	6.71	6.83	6.86	6.93	6.99	7.05	7.08	7.10	7.11	7.13
	(Thousand Metric Tons)										
Production	56,126	56,951	57,973	58,853	60,309	61,520	62,392	62,848	63,243	63,459	63,875
Beginning Stocks	6,113	3,239	3,449	3,421	3,460	3,503	3,560	3,597	3,616	3,634	3,679
Domestic Supply	62,239	60,190	61,421	62,275	63,769	65,023	65,952	66,446	66,859	67,093	67,554
Feed Use	45,000	43,470	44,892	45,377	46,215	47,226	48,195	48,639	49,024	49,186	49,590
Food and Other	15,000	14,100	14,114	14,500	15,057	15,220	15,305	15,385	15,428	15,439	15,394
Ending Stocks	3,239	3,449	3,421	3,460	3,503	3,560	3,597	3,616	3,634	3,679	3,744
Domestic Use	63,239	61,019	62,428	63,337	64,775	66,005	67,097	67,640	68,086	68,304	68,728
Net Trade	-1,000	-829	-1,006	-1,062	-1,006	-982	-1,145	-1,194	-1,227	-1,211	-1,173
Barley	(Thousand Hectares)										
Area Harvested	14,058	13,097	12,879	13,010	13,092	13,186	13,253	13,232	13,271	13,310	13,382
	(Metric Tons per Hectare)										
Yield	4.41	4.43	4.44	4.46	4.48	4.50	4.52	4.53	4.55	4.57	4.59
	(Thousand Metric Tons)										
Production	61,965	57,965	57,237	58,053	58,656	59,312	59,850	59,997	60,411	60,826	61,398
Beginning Stocks	10,366	11,481	9,758	7,363	5,432	4,923	4,910	4,995	5,070	5,088	5,127
Domestic Supply	72,331	69,446	66,995	65,417	64,088	64,235	64,760	64,991	65,480	65,914	66,525
Feed Use	43,000	40,273	40,133	40,216	39,459	39,717	39,984	40,078	40,491	40,720	40,401
Food and Other	16,000	16,880	17,143	17,726	17,508	17,532	17,616	17,692	17,787	17,963	18,971
Ending Stocks	11,481	9,758	7,363	5,432	4,923	4,910	4,995	5,070	5,088	5,127	5,094
Domestic Use	70,481	66,912	64,639	63,375	61,890	62,159	62,595	62,839	63,366	63,810	64,467
Net Trade	1,850	2,533	2,357	2,042	2,198	2,076	2,165	2,152	2,114	2,104	2,058

Indian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	8,400	8,337	8,437	8,396	8,354	8,315	8,272	8,311	8,357	8,407	8,449
	(Metric Tons per Hectare)										
Yield	2.20	2.21	2.22	2.24	2.24	2.24	2.25	2.28	2.28	2.29	2.32
	(Thousand Metric Tons)										
Production	18,500	18,435	18,770	18,825	18,737	18,623	18,653	18,908	19,068	19,233	19,588
Beginning Stocks	946	951	971	992	1,009	1,021	1,032	1,042	1,055	1,067	1,079
Domestic Supply	19,446	19,386	19,742	19,817	19,746	19,644	19,685	19,950	20,123	20,299	20,666
Feed Use	7,500	7,910	8,106	8,262	8,385	8,507	8,636	8,806	8,963	9,137	9,322
Food and Other	10,000	9,832	10,027	10,155	10,274	10,404	10,509	10,641	10,764	10,892	11,027
Ending Stocks	951	971	992	1,009	1,021	1,032	1,042	1,055	1,067	1,079	1,093
Domestic Use	18,451	18,713	19,125	19,427	19,680	19,944	20,186	20,503	20,794	21,108	21,442
Net Trade	995	672	617	391	66	-300	-501	-553	-671	-808	-775
Sorghum	(Thousand Hectares)										
Area Harvested	7,800	8,075	8,444	8,520	8,562	8,547	8,551	8,568	8,566	8,583	8,614
	(Metric Tons per Hectare)										
Yield	0.77	0.91	0.92	0.93	0.93	0.94	0.95	0.96	0.97	0.98	0.98
	(Thousand Metric Tons)										
Production	6,000	7,343	7,737	7,890	7,949	8,039	8,146	8,229	8,320	8,387	8,409
Beginning Stocks	247	122	171	185	189	191	193	194	196	198	199
Domestic Supply	6,247	7,465	7,908	8,075	8,138	8,231	8,339	8,423	8,516	8,584	8,608
Feed Use	1,500	1,421	1,441	1,462	1,480	1,498	1,516	1,537	1,560	1,583	1,607
Food and Other	4,600	5,839	6,283	6,374	6,442	6,483	6,590	6,650	6,709	6,792	6,816
Ending Stocks	122	171	185	189	191	193	194	196	198	199	202
Domestic Use	6,222	7,431	7,909	8,025	8,113	8,173	8,301	8,383	8,467	8,574	8,624
Net Trade	25	34	0	49	25	57	39	40	49	11	-16

Indonesian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	3,250	3,266	3,271	3,311	3,375	3,393	3,397	3,449	3,443	3,454	3,471
	(Metric Tons per Hectare)										
Yield	2.77	2.39	2.41	2.45	2.45	2.47	2.49	2.49	2.51	2.51	2.54
	(Thousand Metric Tons)										
Production	9,000	7,808	7,897	8,099	8,286	8,375	8,443	8,585	8,627	8,657	8,814
Beginning Stocks	1,318	1,218	1,066	1,043	1,046	1,050	1,057	1,063	1,072	1,080	1,088
Domestic Supply	10,318	9,026	8,964	9,143	9,332	9,425	9,500	9,647	9,699	9,736	9,901
Feed Use	4,500	4,310	4,422	4,518	4,590	4,657	4,727	4,808	4,881	4,940	5,022
Food and Other	4,600	4,323	4,331	4,346	4,368	4,388	4,414	4,487	4,485	4,516	4,560
Ending Stocks	1,218	1,066	1,043	1,046	1,050	1,057	1,063	1,072	1,080	1,088	1,098
Domestic Use	10,318	9,699	9,797	9,910	10,008	10,102	10,204	10,367	10,446	10,544	10,680
Net Trade	0	-673	-833	-767	-676	-676	-705	-720	-747	-807	-778

Israeli Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	87	87	84	86	89	90	90	90	91	91	92
Domestic Supply	87	87	84	86	89	90	90	90	91	91	92
Feed Use	900	1,058	1,068	1,069	1,071	1,072	1,073	1,076	1,078	1,082	1,087
Food and Other	100	99	103	105	107	108	110	112	114	116	119
Ending Stocks	87	84	86	89	90	90	90	91	91	92	94
Domestic Use	1,087	1,241	1,257	1,262	1,268	1,270	1,273	1,280	1,284	1,290	1,300
Net Trade	-1,000	-1,154	-1,173	-1,176	-1,179	-1,180	-1,183	-1,190	-1,193	-1,199	-1,208
Sorghum											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	2	2	2	2	2	2	2	2	2	2	2
Domestic Supply	2	2	2	2	2	2	2	2	2	2	2
Feed Use	70	70	68	67	66	66	65	63	62	61	61
Food and Other	5	5	5	5	5	5	5	5	5	5	5
Ending Stocks	2	2	2	2	2	2	2	2	2	2	3
Domestic Use	77	77	75	75	73	73	72	71	70	68	69
Net Trade	-75	-75	-73	-73	-71	-71	-69	-68	-67	-66	-67
Barley											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	60	50	50	49	52	53	53	52	52	53	53
Domestic Supply	60	50	50	49	52	53	53	52	52	53	53
Feed Use	325	331	321	332	333	333	330	331	331	331	326
Food and Other	10	10	10	11	11	11	11	11	11	12	12
Ending Stocks	50	50	49	52	53	53	52	52	53	53	52
Domestic Use	385	392	381	395	396	396	394	395	395	395	390
Net Trade	-325	-342	-330	-346	-344	-343	-341	-343	-343	-343	-338

Japanese Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Metric Tons)										
Production	1	1	1	1	1	1	1	1	1	1	1
Beginning Stocks	1,298	1,299	1,299	1,291	1,301	1,307	1,303	1,302	1,316	1,314	1,334
Domestic Supply	1,299	1,300	1,300	1,292	1,302	1,308	1,304	1,303	1,317	1,315	1,335
Feed Use	11,700	11,986	12,812	13,224	13,437	13,548	13,514	13,450	13,586	13,585	13,665
Food and Other	4,600	4,651	4,635	4,621	4,609	4,579	4,556	4,543	4,523	4,513	4,511
Ending Stocks	1,299	1,299	1,291	1,301	1,307	1,303	1,302	1,316	1,314	1,334	1,355
Domestic Use	17,599	17,936	18,737	19,146	19,354	19,430	19,372	19,308	19,423	19,432	19,532
Net Trade	-16,300	-16,636	-17,437	-17,854	-18,052	-18,123	-18,068	-18,005	-18,107	-18,117	-18,197
Sorghum	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	118	118	119	119	120	120	120	119	120	120	121
Domestic Supply	118	118	119	119	120	120	120	119	120	120	121
Feed Use	1,500	1,480	1,573	1,631	1,657	1,661	1,651	1,641	1,635	1,634	1,652
Food and Other	0	0	0	0	0	0	0	0	0	0	0
Ending Stocks	118	119	119	120	120	120	119	120	120	121	123
Domestic Use	1,618	1,599	1,692	1,751	1,777	1,781	1,770	1,761	1,755	1,755	1,775
Net Trade	-1,500	-1,481	-1,573	-1,632	-1,657	-1,661	-1,651	-1,642	-1,635	-1,635	-1,654
Barley	(Thousand Hectares)										
Area Harvested	55	49	48	50	48	48	48	49	49	49	49
	(Metric Tons per Hectare)										
Yield	3.45	3.48	3.50	3.52	3.54	3.56	3.58	3.60	3.62	3.64	3.66
	(Thousand Metric Tons)										
Production	190	169	168	176	171	171	173	176	177	179	180
Beginning Stocks	399	439	460	441	459	464	462	457	462	464	467
Domestic Supply	589	608	628	617	630	635	635	634	639	643	646
Feed Use	1,250	1,234	1,281	1,346	1,370	1,375	1,364	1,355	1,350	1,349	1,339
Food and Other	300	299	295	299	299	298	296	296	295	294	291
Ending Stocks	439	460	441	459	464	462	457	462	464	467	464
Domestic Use	1,989	1,992	2,016	2,105	2,132	2,134	2,117	2,113	2,109	2,109	2,095
Net Trade	-1,400	-1,385	-1,388	-1,488	-1,502	-1,500	-1,482	-1,479	-1,470	-1,467	-1,448

Malaysian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	28	29	30	30	30	30	29	29	29	28	28
	(Metric Tons per Hectare)										
Yield	3.57	3.57	3.55	3.55	3.53	3.52	3.49	3.48	3.49	3.50	3.52
	(Thousand Metric Tons)										
Production	100	103	106	106	105	104	102	101	100	99	98
Beginning Stocks	283	273	275	280	285	290	294	298	303	308	312
Domestic Supply	383	376	380	386	390	394	397	399	403	406	410
Feed Use	2,500	2,444	2,459	2,463	2,473	2,481	2,491	2,506	2,515	2,528	2,545
Food and Other	200	200	204	209	213	217	221	226	231	236	241
Ending Stocks	273	275	280	285	290	294	298	303	308	312	318
Domestic Use	2,973	2,918	2,942	2,957	2,975	2,993	3,011	3,035	3,054	3,076	3,105
Net Trade	-2,590	-2,543	-2,562	-2,571	-2,585	-2,599	-2,614	-2,636	-2,651	-2,670	-2,695

Mexican Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
					(Thousand Hectares)						
Area Harvested	6,300	6,879	6,916	6,935	6,951	6,993	7,007	7,012	6,991	7,031	7,041
					(Metric Tons per Hectare)						
Yield	3.49	3.31	3.30	3.29	3.29	3.30	3.33	3.34	3.36	3.38	3.40
					(Thousand Metric Tons)						
Production	22,000	22,791	22,825	22,833	22,869	23,094	23,308	23,386	23,474	23,735	23,929
Beginning Stocks	3,559	2,809	3,227	3,426	3,307	3,298	3,299	3,305	3,339	3,365	3,395
Domestic Supply	25,559	25,600	26,053	26,259	26,176	26,392	26,607	26,691	26,814	27,100	27,325
Feed Use	16,000	14,800	14,866	14,942	15,022	15,132	15,279	15,432	15,597	15,777	15,933
Food and Other	16,200	17,063	17,332	17,760	17,647	18,040	18,153	18,413	18,560	18,760	18,945
Ending Stocks	2,809	3,227	3,426	3,307	3,298	3,299	3,305	3,339	3,365	3,395	3,438
Domestic Use	35,009	35,090	35,624	36,009	35,966	36,472	36,737	37,185	37,523	37,932	38,316
Net Trade	-9,450	-9,490	-9,571	-9,750	-9,790	-10,080	-10,130	-10,494	-10,709	-10,833	-10,991
Sorghum											
					(Thousand Hectares)						
Area Harvested	1,800	1,791	1,833	1,826	1,830	1,833	1,838	1,844	1,842	1,850	1,848
					(Metric Tons per Hectare)						
Yield	3.56	3.58	3.61	3.64	3.65	3.66	3.69	3.71	3.73	3.74	3.78
					(Thousand Metric Tons)						
Production	6,400	6,416	6,612	6,637	6,676	6,717	6,777	6,842	6,863	6,919	6,975
Beginning Stocks	569	469	585	607	613	614	614	615	627	636	647
Domestic Supply	6,969	6,885	7,196	7,244	7,289	7,331	7,392	7,457	7,490	7,556	7,622
Feed Use	9,000	8,853	8,959	8,933	8,944	8,978	9,030	9,102	9,182	9,268	9,037
Food and Other	100	102	104	105	106	107	108	110	111	113	115
Ending Stocks	469	585	607	613	614	614	615	627	636	647	672
Domestic Use	9,569	9,539	9,670	9,651	9,665	9,699	9,753	9,839	9,930	10,027	9,824
Net Trade	-2,600	-2,654	-2,473	-2,407	-2,375	-2,368	-2,362	-2,382	-2,441	-2,472	-2,202
Barley											
					(Thousand Hectares)						
Area Harvested	310	277	341	321	330	332	334	336	335	335	335
					(Metric Tons per Hectare)						
Yield	2.52	2.56	2.60	2.64	2.68	2.72	2.76	2.80	2.85	2.89	2.93
					(Thousand Metric Tons)						
Production	781	710	887	847	885	904	923	943	955	968	981
Beginning Stocks	105	136	153	155	160	162	163	163	164	166	168
Domestic Supply	886	846	1,040	1,002	1,045	1,066	1,086	1,106	1,119	1,134	1,149
Feed Use	150	153	150	154	155	156	157	158	160	162	163
Food and Other	750	782	779	804	818	828	836	852	867	881	891
Ending Stocks	136	153	155	160	162	163	163	164	166	168	169
Domestic Use	1,036	1,088	1,083	1,118	1,135	1,147	1,155	1,175	1,193	1,212	1,222
Net Trade	-150	-242	-44	-116	-90	-81	-70	-69	-74	-77	-73

Nigerian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sorghum											
	(Thousand Hectares)										
Area Harvested	7,500	8,492	8,710	8,544	8,343	8,073	8,045	8,119	8,094	8,027	8,019
	(Metric Tons per Hectare)										
Yield	1.53	1.58	1.63	1.66	1.65	1.65	1.66	1.66	1.64	1.62	1.66
	(Thousand Metric Tons)										
Production	11,500	13,401	14,180	14,179	13,791	13,308	13,333	13,504	13,311	13,023	13,297
Beginning Stocks	200	200	209	234	255	269	272	271	275	278	277
Domestic Supply	11,700	13,601	14,389	14,413	14,046	13,577	13,605	13,775	13,587	13,300	13,574
Feed Use	150	154	164	173	179	180	180	181	182	181	183
Food and Other	11,300	13,188	13,941	13,935	13,548	13,075	13,105	13,268	13,077	12,793	13,061
Ending Stocks	200	209	234	255	269	272	271	275	278	277	280
Domestic Use	11,650	13,551	14,339	14,363	13,996	13,527	13,555	13,725	13,537	13,250	13,524
Net Trade	50	50	50	50	50	50	50	50	50	50	50

Other African Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
	(Thousand Hectares)										
Area Harvested	24,316	23,597	23,800	23,811	23,836	23,961	24,078	24,327	24,572	24,732	24,887
	(Metric Tons per Hectare)										
Yield	1.46	1.47	1.49	1.50	1.51	1.53	1.56	1.58	1.59	1.60	1.63
	(Thousand Metric Tons)										
Production	35,586	34,775	35,364	35,705	36,104	36,715	37,459	38,443	39,004	39,589	40,623
Beginning Stocks	2,467	3,117	2,430	2,395	2,458	2,570	2,482	2,492	2,507	2,517	2,529
Domestic Supply	38,053	37,892	37,794	38,100	38,562	39,284	39,941	40,935	41,511	42,107	43,152
Feed Use	5,330	5,038	5,077	5,067	5,078	5,090	5,105	5,118	5,129	5,141	5,164
Food and Other	34,261	34,352	34,987	35,982	36,788	37,569	38,397	39,247	40,059	40,907	41,976
Ending Stocks	3,117	2,430	2,395	2,458	2,570	2,482	2,492	2,507	2,517	2,529	2,544
Domestic Use	42,708	41,820	42,459	43,508	44,435	45,141	45,994	46,872	47,705	48,577	49,684
Net Trade	-4,655	-3,928	-4,665	-5,407	-5,873	-5,857	-6,053	-5,936	-6,194	-6,471	-6,532
Barley											
	(Thousand Hectares)										
Area Harvested	4,190	3,943	3,930	3,952	3,923	3,919	3,915	3,916	3,909	3,907	3,905
	(Metric Tons per Hectare)										
Yield	1.38	1.05	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.11	1.12
	(Thousand Metric Tons)										
Production	5,770	4,125	4,145	4,202	4,205	4,233	4,263	4,297	4,323	4,354	4,385
Beginning Stocks	389	1,324	1,046	1,012	1,028	1,035	1,042	1,045	1,053	1,058	1,064
Domestic Supply	6,159	5,449	5,191	5,214	5,233	5,269	5,305	5,342	5,376	5,413	5,449
Feed Use	2,920	2,765	2,709	2,673	2,624	2,622	2,727	2,695	2,683	2,676	2,672
Food and Other	2,545	2,650	2,678	2,786	2,857	2,928	2,992	3,065	3,137	3,209	3,266
Ending Stocks	1,324	1,046	1,012	1,028	1,035	1,042	1,045	1,053	1,058	1,064	1,067
Domestic Use	6,789	6,461	6,400	6,486	6,517	6,591	6,764	6,812	6,878	6,949	7,005
Net Trade	-630	-1,012	-1,209	-1,272	-1,284	-1,323	-1,459	-1,470	-1,503	-1,537	-1,556

Other Asian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
					(Thousand Hectares)						
Area Harvested	2,035	2,017	2,064	2,053	2,057	2,055	2,056	2,053	2,050	2,050	2,047
					(Metric Tons per Hectare)						
Yield	2.52	2.53	2.54	2.56	2.55	2.55	2.56	2.57	2.57	2.56	2.58
					(Thousand Metric Tons)						
Production	5,120	5,098	5,249	5,249	5,248	5,242	5,257	5,275	5,262	5,243	5,284
Beginning Stocks	61	61	61	61	61	61	61	61	61	61	61
Domestic Supply	5,181	5,159	5,310	5,310	5,309	5,303	5,318	5,336	5,323	5,304	5,345
Feed Use	1,175	1,173	1,174	1,174	1,174	1,174	1,175	1,176	1,176	1,177	1,177
Food and Other	3,895	3,882	3,945	3,974	4,016	4,053	4,097	4,148	4,192	4,241	4,297
Ending Stocks	61	61	61	61	61	61	61	61	61	61	61
Domestic Use	5,131	5,116	5,180	5,209	5,251	5,288	5,333	5,385	5,428	5,479	5,535
Net Trade	50	43	129	100	59	15	-15	-49	-105	-175	-190
Barley											
					(Thousand Hectares)						
Area Harvested	1,088	1,079	1,086	1,113	1,085	1,087	1,090	1,097	1,094	1,096	1,098
					(Metric Tons per Hectare)						
Yield	1.93	1.95	1.97	1.98	2.00	2.02	2.03	2.05	2.07	2.08	2.10
					(Thousand Metric Tons)						
Production	2,102	2,102	2,134	2,207	2,171	2,192	2,218	2,250	2,262	2,285	2,308
Beginning Stocks	61	111	111	111	112	112	112	112	112	112	113
Domestic Supply	2,163	2,213	2,246	2,318	2,282	2,303	2,330	2,361	2,374	2,397	2,420
Feed Use	180	181	178	181	181	181	180	180	180	180	179
Food and Other	1,972	2,007	1,998	2,062	2,090	2,112	2,131	2,160	2,184	2,209	2,217
Ending Stocks	111	111	111	112	112	112	112	112	112	113	113
Domestic Use	2,263	2,299	2,287	2,354	2,383	2,405	2,423	2,453	2,477	2,502	2,508
Net Trade	-100	-86	-41	-36	-101	-102	-93	-91	-103	-104	-88

Other Eastern European Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
					(Thousand Hectares)						
Area Harvested	575	593	605	602	600	598	598	597	594	593	590
					(Metric Tons per Hectare)						
Yield	5.22	5.24	5.27	5.30	5.30	5.31	5.34	5.36	5.38	5.40	5.44
					(Thousand Metric Tons)						
Production	3,000	3,105	3,189	3,189	3,180	3,177	3,192	3,202	3,196	3,199	3,209
Beginning Stocks	374	299	287	289	292	295	298	301	306	310	315
Domestic Supply	3,374	3,404	3,476	3,477	3,472	3,472	3,490	3,503	3,502	3,509	3,524
Feed Use	2,925	2,906	2,994	3,074	3,144	3,209	3,266	3,294	3,290	3,287	3,280
Food and Other	470	466	472	470	472	474	477	480	482	485	490
Ending Stocks	299	287	289	292	295	298	301	306	310	315	321
Domestic Use	3,694	3,660	3,755	3,836	3,910	3,981	4,044	4,080	4,083	4,087	4,091
Net Trade	-320	-256	-279	-359	-438	-509	-554	-577	-580	-578	-567
Barley											
					(Thousand Hectares)						
Area Harvested	131	121	117	119	117	116	116	116	116	116	116
					(Metric Tons per Hectare)						
Yield	3.15	3.17	3.19	3.21	3.23	3.25	3.27	3.29	3.31	3.33	3.35
					(Thousand Metric Tons)						
Production	413	384	375	382	377	378	380	383	384	386	388
Beginning Stocks	103	106	108	108	110	111	111	112	112	113	113
Domestic Supply	516	490	483	490	487	489	491	495	496	499	501
Feed Use	315	322	324	338	347	354	358	361	360	358	354
Food and Other	175	176	174	177	179	180	180	182	183	184	184
Ending Stocks	106	108	108	110	111	111	112	112	113	113	114
Domestic Use	596	606	606	625	636	645	650	655	656	656	652
Net Trade	-80	-115	-123	-135	-149	-156	-159	-160	-159	-157	-151

Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Serbia, Montenegro.

Other CIS Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
					(Thousand Hectares)						
Area Harvested	820	828	831	831	830	830	829	829	828	828	828
					(Metric Tons per Hectare)						
Yield	3.62	3.63	3.65	3.66	3.66	3.66	3.66	3.67	3.67	3.67	3.69
					(Thousand Metric Tons)						
Production	2,965	3,011	3,034	3,042	3,037	3,037	3,039	3,044	3,039	3,041	3,052
Beginning Stocks	382	257	229	226	228	232	235	238	242	245	248
Domestic Supply	3,347	3,268	3,263	3,268	3,265	3,268	3,274	3,283	3,281	3,286	3,300
Feed Use	2,705	2,652	2,677	2,706	2,747	2,789	2,832	2,877	2,922	2,969	3,021
Food and Other	385	385	390	393	396	400	403	407	410	413	417
Ending Stocks	257	229	226	228	232	235	238	242	245	248	251
Domestic Use	3,347	3,266	3,293	3,327	3,375	3,424	3,473	3,526	3,576	3,630	3,689
Net Trade	0	2	-30	-59	-110	-155	-199	-243	-295	-344	-389
Barley											
					(Thousand Hectares)						
Area Harvested	3,220	3,243	3,237	3,251	3,233	3,232	3,232	3,234	3,232	3,232	3,232
					(Metric Tons per Hectare)						
Yield	1.80	1.82	1.83	1.85	1.86	1.87	1.89	1.90	1.91	1.93	1.94
					(Thousand Metric Tons)						
Production	5,810	5,895	5,929	6,000	6,011	6,054	6,098	6,146	6,186	6,231	6,276
Beginning Stocks	666	905	939	942	950	954	957	958	961	963	966
Domestic Supply	6,476	6,800	6,869	6,942	6,961	7,007	7,054	7,104	7,147	7,195	7,242
Feed Use	3,769	3,777	3,760	3,804	3,833	3,862	3,882	3,912	3,939	3,966	3,987
Food and Other	1,211	1,228	1,234	1,245	1,253	1,261	1,268	1,276	1,283	1,290	1,296
Ending Stocks	905	939	942	950	954	957	958	961	963	966	966
Domestic Use	5,885	5,944	5,935	5,999	6,040	6,080	6,109	6,150	6,185	6,222	6,249
Net Trade	591	856	934	943	921	927	946	955	961	973	992

Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan.

Other Latin American Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
					(Thousand Hectares)						
Area Harvested	5,209	5,603	5,361	5,384	5,391	5,467	5,449	5,425	5,408	5,382	5,358
					(Metric Tons per Hectare)						
Yield	2.59	2.61	2.63	2.66	2.67	2.68	2.69	2.72	2.75	2.77	2.82
					(Thousand Metric Tons)						
Production	13,475	14,621	14,116	14,307	14,378	14,631	14,685	14,736	14,849	14,913	15,125
Beginning Stocks	3,396	3,341	3,346	3,175	3,410	3,441	3,470	3,495	3,528	3,554	3,582
Domestic Supply	16,871	17,962	17,462	17,483	17,788	18,072	18,155	18,232	18,377	18,467	18,707
Feed Use	18,285	17,660	17,764	17,843	17,910	17,948	18,000	18,083	18,125	18,191	18,456
Food and Other	7,125	7,146	7,304	7,449	7,587	7,709	7,836	7,986	8,109	8,247	8,388
Ending Stocks	3,341	3,346	3,175	3,410	3,441	3,470	3,495	3,528	3,554	3,582	3,615
Domestic Use	28,751	28,153	28,243	28,702	28,937	29,126	29,332	29,597	29,788	30,020	30,459
Net Trade	-11,880	-10,191	-10,781	-11,220	-11,149	-11,054	-11,177	-11,365	-11,411	-11,553	-11,752
Barley											
					(Thousand Hectares)						
Area Harvested	443	367	423	385	390	379	376	375	373	371	369
					(Metric Tons per Hectare)						
Yield	1.94	1.94	1.94	1.95	1.95	1.96	1.96	1.96	1.97	1.97	1.97
					(Thousand Metric Tons)						
Production	858	712	822	750	761	740	736	737	733	731	729
Beginning Stocks	85	66	62	60	62	63	64	65	66	67	67
Domestic Supply	943	778	884	810	823	804	801	802	799	797	796
Feed Use	125	128	127	129	129	130	130	130	130	130	130
Food and Other	1,152	1,057	1,051	1,085	1,107	1,126	1,143	1,165	1,185	1,205	1,220
Ending Stocks	66	62	60	62	63	64	65	66	67	67	68
Domestic Use	1,343	1,247	1,238	1,275	1,299	1,320	1,337	1,361	1,381	1,403	1,418
Net Trade	-400	-469	-354	-465	-476	-517	-537	-559	-582	-605	-621

Other Middle Eastern Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
					(Thousand Hectares)						
Area Harvested	982	1,001	990	991	987	984	980	977	973	970	967
					(Metric Tons per Hectare)						
Yield	6.09	6.14	6.19	6.22	6.26	6.29	6.32	6.35	6.38	6.41	6.45
					(Thousand Metric Tons)						
Production	5,984	6,147	6,126	6,165	6,176	6,184	6,194	6,205	6,206	6,217	6,239
Beginning Stocks	3,340	2,421	2,335	2,348	2,369	2,485	2,402	2,416	2,433	2,447	2,460
Domestic Supply	9,324	8,568	8,460	8,513	8,545	8,669	8,596	8,622	8,639	8,664	8,699
Feed Use	12,578	12,579	12,674	12,712	12,759	12,803	12,848	12,899	12,936	12,976	13,022
Food and Other	1,950	1,930	1,957	1,992	2,022	2,051	2,081	2,112	2,142	2,172	2,203
Ending Stocks	2,421	2,335	2,348	2,369	2,485	2,402	2,416	2,433	2,447	2,460	2,474
Domestic Use	16,949	16,843	16,979	17,073	17,266	17,255	17,345	17,444	17,525	17,607	17,699
Net Trade	-7,625	-8,275	-8,519	-8,560	-8,721	-8,586	-8,750	-8,823	-8,885	-8,944	-9,000
Barley											
					(Thousand Hectares)						
Area Harvested	5,880	5,888	5,818	5,872	5,799	5,790	5,784	5,789	5,779	5,775	5,772
					(Metric Tons per Hectare)						
Yield	1.64	1.65	1.65	1.66	1.67	1.68	1.69	1.69	1.70	1.71	1.72
					(Thousand Metric Tons)						
Production	9,630	9,691	9,623	9,761	9,686	9,719	9,756	9,811	9,842	9,881	9,922
Beginning Stocks	1,475	1,470	1,506	1,511	1,553	1,574	1,591	1,603	1,621	1,635	1,648
Domestic Supply	11,105	11,161	11,129	11,272	11,240	11,293	11,347	11,414	11,463	11,516	11,571
Feed Use	11,215	11,240	11,193	11,249	11,254	11,253	11,246	11,252	11,252	11,253	11,238
Food and Other	1,530	1,559	1,565	1,608	1,634	1,658	1,681	1,708	1,733	1,758	1,775
Ending Stocks	1,470	1,506	1,511	1,553	1,574	1,591	1,603	1,621	1,635	1,648	1,656
Domestic Use	14,215	14,305	14,269	14,411	14,462	14,502	14,530	14,582	14,620	14,660	14,669
Net Trade	-3,110	-3,144	-3,140	-3,139	-3,223	-3,209	-3,183	-3,168	-3,158	-3,144	-3,099

Philippine Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
Area Harvested	2,655	2,613	2,653	2,653	2,649	2,653	2,655	2,661	2,675	2,704	2,701
Yield	2.58	2.61	2.65	2.69	2.71	2.73	2.76	2.79	2.80	2.79	2.83
Production	6,850	6,831	7,028	7,144	7,176	7,233	7,317	7,419	7,485	7,533	7,656
Beginning Stocks	671	521	514	518	525	531	536	542	550	556	563
Domestic Supply	7,521	7,352	7,543	7,663	7,701	7,763	7,854	7,961	8,035	8,089	8,218
Feed Use	5,400	5,339	5,478	5,592	5,686	5,762	5,835	5,916	5,978	6,033	6,090
Food and Other	2,000	1,970	2,000	2,045	2,081	2,120	2,152	2,196	2,238	2,280	2,329
Ending Stocks	521	514	518	525	531	536	542	550	556	563	570
Domestic Use	7,921	7,823	7,997	8,162	8,298	8,419	8,529	8,662	8,773	8,876	8,989
Net Trade	-400	-471	-455	-499	-597	-656	-676	-702	-737	-787	-771

Russian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
Area Harvested	1,300	1,284	1,291	1,288	1,287	1,284	1,280	1,276	1,272	1,269	1,264
Yield	3.38	3.44	3.49	3.47	3.44	3.41	3.37	3.35	3.31	3.26	3.29
Production	4,400	4,414	4,501	4,475	4,427	4,376	4,313	4,279	4,204	4,139	4,155
Beginning Stocks	236	136	135	138	139	140	142	143	146	147	149
Domestic Supply	4,636	4,550	4,636	4,612	4,565	4,516	4,455	4,422	4,350	4,286	4,304
Feed Use	4,000	4,032	3,999	3,995	3,998	4,015	4,048	4,088	4,125	4,166	4,212
Food and Other	550	542	542	541	540	539	538	538	537	536	535
Ending Stocks	136	135	138	139	140	142	143	146	147	149	152
Domestic Use	4,686	4,709	4,678	4,675	4,678	4,695	4,729	4,771	4,809	4,851	4,898
Net Trade	-50	-160	-42	-62	-113	-180	-274	-349	-459	-565	-594
Barley											
Area Harvested	9,100	8,785	9,081	9,420	9,694	9,572	9,574	9,607	9,598	9,641	9,536
Yield	1.98	1.94	1.96	1.98	1.98	1.99	2.01	2.03	2.05	2.06	2.08
Production	18,000	17,078	17,811	18,639	19,155	19,081	19,251	19,485	19,635	19,889	19,838
Beginning Stocks	3,637	2,437	2,374	2,334	3,019	3,242	3,266	3,268	3,293	3,306	3,320
Domestic Supply	21,637	19,515	20,185	20,973	22,174	22,323	22,517	22,753	22,928	23,196	23,159
Feed Use	12,400	11,407	12,089	11,853	12,179	12,276	12,355	12,486	12,596	12,718	12,797
Food and Other	4,700	4,650	4,743	4,792	4,793	4,787	4,771	4,767	4,757	4,748	4,727
Ending Stocks	2,437	2,374	2,334	3,019	3,242	3,266	3,268	3,293	3,306	3,320	3,319
Domestic Use	19,537	18,430	19,166	19,664	20,214	20,329	20,394	20,547	20,659	20,786	20,842
Net Trade	2,100	1,084	1,019	1,309	1,960	1,994	2,123	2,206	2,269	2,410	2,316

Saudi Arabian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Barley	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	2,298	2,368	2,409	2,502	2,450	2,459	2,468	2,470	2,484	2,490	2,496
Domestic Supply	2,298	2,368	2,409	2,502	2,450	2,459	2,468	2,470	2,484	2,490	2,496
Feed Use	7,900	7,507	7,737	7,803	7,943	7,882	8,007	8,052	8,088	8,123	8,134
Food and Other	30	33	33	37	38	39	40	41	42	43	43
Ending Stocks	2,368	2,409	2,502	2,450	2,459	2,468	2,470	2,484	2,490	2,496	2,495
Domestic Use	10,298	9,949	10,273	10,290	10,440	10,389	10,517	10,578	10,621	10,662	10,672
Net Trade	-8,000	-7,581	-7,864	-7,787	-7,990	-7,930	-8,050	-8,108	-8,136	-8,172	-8,176

South African Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
					(Thousand Hectares)						
Area Harvested	3,100	3,278	3,347	3,352	3,345	3,375	3,371	3,375	3,449	3,540	3,567
					(Metric Tons per Hectare)						
Yield	3.71	3.75	3.76	3.80	3.82	3.84	3.85	3.88	3.92	3.90	3.94
					(Thousand Metric Tons)						
Production	11,500	12,294	12,589	12,737	12,775	12,945	12,994	13,111	13,510	13,821	14,068
Beginning Stocks	3,182	3,007	3,070	3,073	3,075	3,080	3,088	3,098	3,119	3,131	3,148
Domestic Supply	14,682	15,301	15,659	15,810	15,850	16,024	16,082	16,209	16,628	16,953	17,216
Feed Use	4,500	4,356	4,419	4,485	4,527	4,544	4,542	4,526	4,500	4,476	4,457
Food and Other	5,700	5,688	5,728	5,691	5,674	5,675	5,693	5,718	5,734	5,754	5,781
Ending Stocks	3,007	3,070	3,073	3,075	3,080	3,088	3,098	3,119	3,131	3,148	3,170
Domestic Use	13,207	13,114	13,219	13,251	13,280	13,307	13,333	13,362	13,365	13,378	13,409
Net Trade	1,475	2,187	2,440	2,558	2,570	2,718	2,749	2,848	3,263	3,575	3,807
Sorghum											
					(Thousand Hectares)						
Area Harvested	90	90	90	89	90	90	90	90	90	90	90
					(Metric Tons per Hectare)						
Yield	2.56	2.58	2.61	2.65	2.66	2.67	2.69	2.72	2.74	2.74	2.78
					(Thousand Metric Tons)						
Production	230	232	235	235	239	240	241	244	246	246	250
Beginning Stocks	71	51	51	51	51	51	51	51	51	51	51
Domestic Supply	301	283	286	286	290	291	292	295	297	297	301
Feed Use	25	19	20	20	20	20	21	21	20	20	21
Food and Other	190	193	195	193	194	194	196	197	198	199	202
Ending Stocks	51	51	51	51	51	51	51	51	51	51	51
Domestic Use	266	264	266	265	265	266	267	268	269	271	274
Net Trade	35	19	21	21	25	25	25	26	27	26	27
Barley											
					(Thousand Hectares)						
Area Harvested	77	76	75	77	75	76	76	76	76	76	77
					(Metric Tons per Hectare)						
Yield	2.92	2.97	3.02	3.07	3.12	3.17	3.22	3.26	3.31	3.36	3.41
					(Thousand Metric Tons)						
Production	225	227	226	236	235	239	244	249	253	257	262
Beginning Stocks	104	89	91	90	91	91	91	91	91	91	91
Domestic Supply	329	316	316	326	326	330	335	340	344	348	353
Feed Use	15	16	15	17	17	17	16	17	16	16	15
Food and Other	300	300	297	297	296	296	296	296	297	297	297
Ending Stocks	89	91	90	91	91	91	91	91	91	91	91
Domestic Use	404	407	402	405	404	404	403	404	404	405	403
Net Trade	-75	-91	-85	-79	-78	-73	-68	-64	-60	-56	-50

South Korean Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	18	18	18	18	18	18	18	18	18	18	18
	(Metric Tons per Hectare)										
Yield	4.72	4.77	4.82	4.87	4.93	5.00	5.08	5.12	5.15	5.17	5.21
	(Thousand Metric Tons)										
Production	85	86	87	88	89	90	91	92	93	93	94
Beginning Stocks	1,490	1,375	1,381	1,405	1,421	1,430	1,436	1,468	1,501	1,542	1,576
Domestic Supply	1,575	1,461	1,467	1,493	1,510	1,520	1,527	1,561	1,594	1,635	1,670
Feed Use	6,000	5,690	5,644	5,496	5,458	5,504	5,538	5,534	5,495	5,422	5,345
Food and Other	1,700	1,570	1,613	1,614	1,627	1,625	1,629	1,626	1,643	1,645	1,648
Ending Stocks	1,375	1,381	1,405	1,421	1,430	1,436	1,468	1,501	1,542	1,576	1,641
Domestic Use	9,075	8,641	8,662	8,532	8,516	8,565	8,635	8,662	8,680	8,643	8,633
Net Trade	-7,500	-7,180	-7,195	-7,040	-7,006	-7,045	-7,108	-7,101	-7,086	-7,008	-6,964

Taiwanese Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	16	16	15	16	16	16	16	16	16	16	16
	(Metric Tons per Hectare)										
Yield	4.94	5.00	5.08	5.14	5.20	5.25	5.31	5.32	5.31	5.32	5.41
	(Thousand Metric Tons)										
Production	79	78	79	84	84	85	85	85	84	83	89
Beginning Stocks	673	652	668	710	760	798	833	863	900	927	956
Domestic Supply	752	730	747	794	844	882	918	948	984	1,010	1,044
Feed Use	4,550	4,045	3,643	3,323	3,234	3,303	3,394	3,464	3,495	3,471	3,442
Food and Other	150	195	201	204	206	207	208	210	211	212	213
Ending Stocks	652	668	710	760	798	833	863	900	927	956	989
Domestic Use	5,352	4,908	4,554	4,287	4,237	4,342	4,464	4,574	4,634	4,639	4,645
Net Trade	-4,600	-4,178	-3,807	-3,493	-3,393	-3,460	-3,546	-3,627	-3,650	-3,628	-3,600
Barley	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Feed Use	20	20	16	17	17	17	17	18	18	18	17
Food and Other	30	32	31	33	34	34	34	35	36	36	36
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	50	52	47	50	51	52	52	53	54	54	53
Net Trade	-50	-52	-47	-50	-51	-52	-52	-53	-54	-54	-53

Thai Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	1,010	954	1,003	1,027	1,030	1,044	1,053	1,063	1,077	1,088	1,100
	(Metric Tons per Hectare)										
Yield	4.21	4.14	4.14	4.18	4.20	4.22	4.27	4.32	4.35	4.37	4.42
	(Thousand Metric Tons)										
Production	4,250	3,948	4,149	4,291	4,325	4,409	4,499	4,592	4,679	4,753	4,859
Beginning Stocks	251	451	478	486	491	494	497	499	503	507	510
Domestic Supply	4,501	4,399	4,627	4,777	4,816	4,903	4,996	5,091	5,182	5,260	5,369
Feed Use	3,700	3,444	3,511	3,603	3,699	3,775	3,858	3,938	4,014	4,083	4,181
Food and Other	100	95	94	95	95	95	95	95	95	95	96
Ending Stocks	451	478	486	491	494	497	499	503	507	510	515
Domestic Use	4,251	4,016	4,090	4,189	4,288	4,367	4,452	4,536	4,616	4,688	4,792
Net Trade	250	383	537	588	528	536	544	555	566	572	578

Ukrainian Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn	(Thousand Hectares)										
Area Harvested	2,100	2,299	2,318	2,321	2,333	2,340	2,346	2,355	2,367	2,382	2,384
	(Metric Tons per Hectare)										
Yield	5.00	4.61	4.65	4.69	4.70	4.72	4.74	4.77	4.79	4.79	4.84
	(Thousand Metric Tons)										
Production	10,500	10,597	10,777	10,888	10,964	11,036	11,124	11,228	11,327	11,405	11,527
Beginning Stocks	947	807	794	823	857	889	918	941	964	982	996
Domestic Supply	11,447	11,404	11,571	11,711	11,821	11,926	12,042	12,169	12,291	12,386	12,524
Feed Use	4,900	4,811	4,854	4,883	4,950	5,029	5,106	5,193	5,279	5,378	5,485
Food and Other	750	735	734	732	730	729	728	729	728	730	732
Ending Stocks	807	794	823	857	889	918	941	964	982	996	1,011
Domestic Use	6,457	6,341	6,411	6,473	6,568	6,676	6,775	6,885	6,989	7,104	7,228
Net Trade	4,990	5,063	5,161	5,239	5,253	5,250	5,267	5,283	5,302	5,282	5,295
Barley	(Thousand Hectares)										
Area Harvested	5,000	5,047	5,069	5,024	4,990	4,987	4,974	4,967	4,947	4,932	4,909
	(Metric Tons per Hectare)										
Yield	2.40	2.41	2.42	2.43	2.44	2.45	2.46	2.47	2.47	2.48	2.49
	(Thousand Metric Tons)										
Production	12,000	12,160	12,260	12,197	12,163	12,200	12,215	12,246	12,242	12,252	12,241
Beginning Stocks	1,057	712	683	809	764	810	849	879	907	930	948
Domestic Supply	13,057	12,872	12,943	13,005	12,927	13,010	13,064	13,125	13,149	13,182	13,189
Feed Use	4,650	3,785	3,701	3,770	3,864	3,961	4,048	4,142	4,232	4,326	4,415
Food and Other	1,700	1,712	1,710	1,729	1,732	1,735	1,734	1,734	1,732	1,729	1,722
Ending Stocks	712	683	809	764	810	849	879	907	930	948	961
Domestic Use	7,062	6,180	6,219	6,263	6,407	6,545	6,660	6,783	6,893	7,003	7,098
Net Trade	5,995	6,692	6,724	6,742	6,520	6,464	6,404	6,342	6,256	6,179	6,091

Vietnamese Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
Area Harvested	1,200	1,115	1,137	1,142	1,142	1,141	1,140	1,139	1,136	1,133	1,128
Yield	4.00	4.06	4.12	4.18	4.22	4.25	4.29	4.34	4.37	4.38	4.45
Production	4,800	4,528	4,685	4,776	4,816	4,853	4,894	4,948	4,963	4,958	5,019
Beginning Stocks	417	417	417	417	417	417	417	417	417	417	417
Domestic Supply	5,217	4,945	5,102	5,193	5,233	5,270	5,311	5,365	5,380	5,375	5,436
Feed Use	4,300	3,993	3,996	4,032	4,087	4,139	4,204	4,280	4,351	4,418	4,492
Food and Other	1,200	1,211	1,223	1,239	1,254	1,270	1,285	1,301	1,318	1,334	1,353
Ending Stocks	417	417	417	417	417	417	417	417	417	417	417
Domestic Use	5,917	5,621	5,637	5,687	5,758	5,826	5,905	5,998	6,085	6,170	6,262
Net Trade	-700	-675	-534	-495	-526	-556	-594	-634	-705	-795	-827

Rest-of-World Coarse Grain Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Corn											
	(Thousand Hectares)										
Area Harvested	2,601	2,528	2,465	2,452	2,451	2,440	2,435	2,443	2,457	2,462	2,462
	(Metric Tons per Hectare)										
Yield	3.02	2.84	2.87	2.89	2.91	2.93	2.95	2.97	2.98	3.00	3.04
	(Thousand Metric Tons)										
Production	7,862	7,180	7,078	7,096	7,122	7,145	7,173	7,248	7,323	7,391	7,473
Beginning Stocks	1,100	997	996	998	1,000	1,002	1,004	1,006	1,009	1,012	1,015
Domestic Supply	8,962	8,177	8,074	8,093	8,122	8,147	8,177	8,254	8,333	8,403	8,488
Feed Use	4,700	4,120	4,168	4,160	4,140	4,118	4,153	4,147	4,123	4,128	4,175
Food and Other	1,440	1,447	1,464	1,480	1,496	1,512	1,528	1,549	1,566	1,584	1,603
Ending Stocks	997	996	998	1,000	1,002	1,004	1,006	1,009	1,012	1,015	1,019
Domestic Use	7,137	6,563	6,630	6,641	6,638	6,634	6,687	6,706	6,700	6,728	6,798
Net Trade	1,825	1,614	1,444	1,453	1,484	1,512	1,490	1,548	1,632	1,675	1,690
Sorghum											
	(Thousand Hectares)										
Area Harvested	20,910	21,495	21,656	21,557	21,579	21,566	21,560	21,562	21,555	21,554	21,544
	(Metric Tons per Hectare)										
Yield	1.11	1.12	1.13	1.14	1.14	1.15	1.16	1.16	1.17	1.17	1.19
	(Thousand Metric Tons)										
Production	23,196	24,085	24,438	24,525	24,637	24,750	24,916	25,095	25,201	25,303	25,556
Beginning Stocks	1,797	1,613	1,614	1,623	1,628	1,632	1,637	1,640	1,647	1,652	1,657
Domestic Supply	24,993	25,699	26,052	26,149	26,266	26,383	26,553	26,735	26,848	26,955	27,213
Feed Use	6,408	6,180	6,254	6,220	6,219	6,211	6,211	6,207	6,199	6,193	6,228
Food and Other	18,328	18,367	18,647	18,855	19,064	19,257	19,449	19,644	19,827	20,013	20,254
Ending Stocks	1,613	1,614	1,623	1,628	1,632	1,637	1,640	1,647	1,652	1,657	1,670
Domestic Use	26,350	26,162	26,524	26,703	26,915	27,105	27,300	27,497	27,677	27,863	28,151
Net Trade	-1,357	-463	-472	-555	-650	-722	-747	-763	-830	-908	-938
Barley											
	(Thousand Hectares)										
Area Harvested	376	361	358	367	357	356	356	357	355	354	353
	(Metric Tons per Hectare)										
Yield	3.99	4.02	4.04	4.06	4.08	4.11	4.13	4.15	4.18	4.20	4.22
	(Thousand Metric Tons)										
Production	1,504	1,449	1,445	1,490	1,457	1,462	1,470	1,483	1,482	1,488	1,492
Beginning Stocks	314	293	301	291	306	309	311	311	317	320	323
Domestic Supply	1,818	1,742	1,746	1,781	1,763	1,771	1,782	1,795	1,799	1,808	1,815
Feed Use	1,250	1,125	1,084	1,114	1,110	1,104	1,094	1,093	1,090	1,086	1,067
Food and Other	370	375	374	382	385	388	391	395	398	402	403
Ending Stocks	293	301	291	306	309	311	311	317	320	323	323
Domestic Use	1,912	1,801	1,748	1,801	1,805	1,804	1,796	1,805	1,807	1,811	1,794
Net Trade	-95	-59	-2	-20	-41	-33	-14	-10	-9	-3	21

Per Capita Grain Consumption of Selected Countries

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Algeria	(Kilograms)										
Corn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barley	4.32	4.34	4.33	4.42	4.46	4.49	4.50	4.53	4.54	4.56	4.56
Argentina											
Corn	45.80	46.71	46.88	47.21	47.48	47.63	47.81	48.19	48.31	48.47	48.68
Barley	10.85	11.02	10.80	11.03	11.09	11.07	11.02	11.06	11.03	11.01	10.90
Sorghum	4.82	4.79	4.78	4.76	4.74	4.72	4.69	4.67	4.63	4.58	4.56
Australia											
Corn	5.79	5.71	5.74	5.77	5.80	5.82	5.85	5.88	5.92	5.95	6.00
Barley	50.93	50.98	50.72	51.00	51.23	51.27	51.22	51.24	51.31	51.36	51.21
Sorghum	0.23	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21
Brazil											
Corn	44.89	45.04	45.27	45.50	45.76	46.00	46.27	46.61	46.92	47.28	47.72
Barley	3.15	3.20	3.12	3.20	3.24	3.24	3.24	3.26	3.28	3.30	3.29
Canada											
Corn	127.03	133.01	136.67	138.64	140.94	143.10	145.29	148.42	152.36	156.37	160.55
Barley	39.88	42.24	41.70	42.69	42.83	42.74	42.42	42.57	42.67	42.74	42.49
China											
Corn	32.27	34.33	34.46	35.27	35.81	36.18	36.54	36.95	37.52	38.01	38.53
Barley	3.15	3.31	3.41	3.63	3.72	3.86	4.00	4.06	4.12	4.17	4.23
Egypt											
Corn	28.39	26.46	25.90	25.09	24.75	24.35	23.95	23.63	23.20	22.85	22.53
European Union											
Corn	30.45	28.60	28.61	29.38	30.49	30.81	30.98	31.14	31.23	31.26	31.18
Barley	32.48	34.24	34.75	35.91	35.45	35.49	35.66	35.81	36.01	36.37	38.43
India											
Corn	8.49	8.23	8.28	8.28	8.28	8.28	8.26	8.27	8.27	8.27	8.29
Sorghum	3.90	4.89	5.19	5.20	5.19	5.16	5.18	5.17	5.15	5.16	5.12
Indonesia											
Corn	18.86	17.54	17.39	17.27	17.19	17.10	17.04	17.17	17.01	16.98	17.00
Israel											
Corn	13.53	13.14	13.47	13.50	13.57	13.57	13.60	13.69	13.71	13.79	13.97
Barley	1.35	1.36	1.35	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.36
Sorghum	0.68	0.67	0.66	0.65	0.64	0.63	0.62	0.61	0.60	0.59	0.59
Japan											
Corn	36.31	36.81	36.79	36.81	36.86	36.77	36.75	36.82	36.85	36.97	37.16
Barley	2.37	2.37	2.34	2.38	2.39	2.39	2.39	2.40	2.40	2.41	2.40
Sorghum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Malaysia											
Corn	7.60	7.47	7.50	7.54	7.56	7.60	7.62	7.66	7.70	7.74	7.81
Mexico											
Corn	143.51	149.49	150.20	152.27	149.72	151.48	150.88	151.53	151.26	151.44	151.52
Barley	6.64	6.85	6.75	6.90	6.94	6.95	6.95	7.01	7.06	7.11	7.12
Sorghum	0.89	0.90	0.90	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.92
Nigeria											
Sorghum	73.75	84.42	87.56	85.89	81.98	77.70	76.50	76.12	73.74	70.93	71.24

Per Capita Grain Consumption of Selected Countries (continued)

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Other Africa											
						(Kilograms)					
Corn	40.03	39.17	38.93	39.09	39.03	38.94	38.90	38.87	38.79	38.75	38.90
Barley	2.72	2.76	2.73	2.77	2.77	2.78	2.78	2.78	2.79	2.79	2.78
Other Asia											
Corn	10.97	10.79	10.82	10.76	10.73	10.69	10.66	10.66	10.64	10.63	10.64
Barley	0.93	0.94	0.92	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.93
Other Eastern Europe ‡											
Corn	20.57	20.42	20.71	20.63	20.71	20.83	20.98	21.13	21.25	21.39	21.64
Barley	7.66	7.69	7.61	7.76	7.84	7.90	7.93	8.01	8.06	8.13	8.14
Other CIS †											
Corn	4.22	4.19	4.22	4.22	4.23	4.23	4.24	4.25	4.26	4.26	4.28
Barley	13.27	13.36	13.34	13.36	13.36	13.35	13.34	13.34	13.33	13.32	13.29
Other Latin America											
Corn	30.04	29.76	30.04	30.28	30.48	30.61	30.77	31.01	31.15	31.35	31.55
Barley	4.86	4.40	4.32	4.41	4.45	4.47	4.49	4.52	4.55	4.58	4.59
Other Middle East											
Corn	7.02	6.84	6.84	6.87	6.88	6.87	6.88	6.88	6.88	6.89	6.90
Barley	6.16	6.18	6.12	6.21	6.22	6.22	6.21	6.23	6.23	6.23	6.21
Pakistan											
Corn	8.42	8.22	8.25	8.23	8.23	8.24	8.26	8.29	8.31	8.34	8.37
Barley	1.49	1.37	1.33	1.36	1.32	1.31	1.31	1.31	1.30	1.30	1.30
Sorghum	0.39	0.34	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36
Philippines											
Corn	19.89	19.22	19.16	19.22	19.21	19.23	19.18	19.24	19.28	19.31	19.41
Russia											
Corn	3.95	3.91	3.93	3.94	3.96	3.97	3.98	4.00	4.02	4.04	4.06
Barley	33.77	33.57	34.40	34.93	35.12	35.26	35.33	35.50	35.62	35.76	35.81
Saudi Arabia											
Barley	1.02	1.11	1.10	1.20	1.22	1.24	1.24	1.27	1.28	1.30	1.29
South Africa											
Corn	116.15	116.22	117.51	117.29	117.35	117.48	117.72	118.12	118.33	118.65	119.10
Barley	6.11	6.12	6.09	6.13	6.13	6.13	6.12	6.12	6.12	6.12	6.11
Sorghum	3.87	3.95	3.99	3.99	4.00	4.02	4.04	4.07	4.09	4.11	4.17
South Korea											
Corn	34.93	32.18	32.99	32.96	33.17	33.08	33.11	33.02	33.33	33.34	33.37
Taiwan											
Corn	6.51	8.46	8.71	8.82	8.87	8.91	8.95	9.02	9.05	9.10	9.16
Barley	1.30	1.37	1.32	1.43	1.46	1.48	1.48	1.51	1.53	1.54	1.54
Thailand											
Corn	1.50	1.41	1.40	1.40	1.40	1.39	1.38	1.38	1.38	1.37	1.38
Ukraine											
Corn	16.55	16.33	16.39	16.46	16.51	16.60	16.68	16.81	16.92	17.07	17.24
Barley	37.51	38.01	38.19	38.87	39.20	39.52	39.74	40.02	40.22	40.43	40.54
United States											
Corn	453.29	484.21	486.76	488.41	495.01	505.78	512.49	515.05	518.38	519.39	516.85
Barley	11.93	11.98	11.85	11.71	11.63	11.51	11.38	11.29	11.20	11.12	11.03
Sorghum	7.67	8.18	8.52	8.63	8.72	8.90	9.02	9.06	9.08	9.02	9.03
Vietnam											
Corn	13.35	13.33	13.32	13.35	13.38	13.41	13.44	13.49	13.54	13.59	13.67

‡ Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Serbia, Montenegro.

† Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Tajikistan, Turkmenistan, Uzbekistan.

WORLD OILSEEDS AND PRODUCTS

World Soybeans and Soybean Products

The world soybean price decreased by 23% in 2008/09 from the high prices of 2007/09, as demand faltered because of the global economic recession. A steeper price decline is prevented by the soybean crop failure in South America, and in Argentina in particular, as a result of widespread and severe dryness in important production regions. Soybean prices decline again in 2009/10, as the production rebound outpaces the demand growth derived from the economic recovery, especially in the protein meal sector. The price continues to decline (by 6%) over the next season because of high carryover. A slowdown in production expansion in South America and the U.S., strong demand for vegetable oil, and strengthening soybean meal demand due to the economic recovery put prices on an ascendant path for the remainder of the projection period. The average price over the outlook period remains 34% above that of the previous decade, even including the spike of 2007/08.

Because of weaker competition from corn in 2009/10, U.S. soybean production increased by 13% based on a small area expansion and record-breaking yields. The combined increase in U.S., Argentine, and Brazilian production helped pull the world soybean output up by 20%. The large production rebound is driven by an impressive 65% expansion of the Argentine output, after the previous season's failure. Encouraged by relatively strong real prices, Brazil's soybean area is expected to post an average growth of 2.5% annually throughout the decade. However, the U.S. remains the leading producer over the projection period. World production reaches 295 mmt at the end of the outlook period and is concentrated in Argentina, Brazil, and the U.S. These three countries combined are responsible for over 80% of the production expansion and account for 82% of world production by 2019/20.

The modest increase in Chinese soybean production is due to higher yields from technology improvements, as area declines slightly. The loss of agricultural land and declining real prices as a result of the appreciation of the yuan are two of the reasons behind the decline in area. Soybean consumption expands throughout the period and reaches 59 mmt by 2019/20, a 3.6% annual increase over the decade. Policies that encourage domestic crush, combined with strong demand for edible oils and protein meal from the burgeoning livestock sector, make China the world's leading soybean importer, as domestic production is unable to keep up with that demand growth. China expands its imports to 59 mmt, accounting for 60% of total world imports over the next 10 years. This growth in import demand for soybeans is mostly supplied by Brazil, which becomes the leading net exporter in 2015/16, with a 43% market share by the end of the outlook period. The EU is expected to continue its transition to the importation of protein meal rather than soybeans because of relatively weak crush margins, which decline over time, as the block shifts its demand toward meal.

Weak demand for meal resulted in a sharp (14%) decline in the price of soybean meal during 2008/09. Trade disruptions during late summer due to the discovery of traces of non-approved GMO corn in a U.S. soybean meal shipment to the EU may have also had a bearish impact on prices. As in the case of soybeans, a larger price drop was prevented by the simultaneous drought-induced supply reduction. Further price declines are expected in 2009/10 and 2010/11 before demand catches up with the strong supply expansion and the trend is reversed. About 45% of the global consumption expansion occurs in China, which surpasses the EU as the leading protein meal user halfway through the outlook period. However, the EU retains its position as the largest importer. The volume of net exports in the soybean meal market increases by 27% throughout the baseline. Based on a very efficient soybean processing sector and differential export taxes, Argentina expands its position as the world's dominant meal exporter, increasing its market share to 55% of the world's net exports.

Unlike the prices of other commodities in the complex, the price of soybean oil recovers in 2009/10 after the reduction in the previous season. Vegetable oils are expected to drive the oilseeds sector as a result of strong demand for food and industrial uses. Chinese per capita consumption of soybean oil continues to expand rapidly based on strong income growth, consolidating the country as the world's largest user, with 30% of total consumption by 2019/20. Despite a large expansion in the amount of soybean oil used for industrial purposes, Argentina expands its dominant role in the international market, supplying over 70% of total exports by the end of the projection period.

Soybean Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	9,700	12,487	12,266	11,692	11,730	11,843	11,823	11,966	12,168	12,421	12,878
Brazil	25,850	28,028	27,775	30,572	32,457	33,970	35,846	37,674	39,252	41,040	42,279
Canada	1,624	1,530	1,619	1,612	1,643	1,687	1,702	1,710	1,733	1,758	1,775
India	5	5	5	5	5	5	5	5	5	5	5
Paraguay	4,885	5,079	5,227	5,360	5,498	5,648	5,804	5,954	6,093	6,247	6,395
United States	37,112	33,857	34,030	34,299	34,274	34,465	34,652	34,796	35,071	35,115	35,322
Total Net Exports *	79,176	80,986	80,921	83,541	85,607	87,618	89,833	92,106	94,322	96,587	98,655
Net Importers											
China	41,500	43,030	43,715	46,017	47,808	49,615	51,593	53,614	55,649	57,703	59,512
European Union	12,970	12,721	12,372	12,299	12,318	12,263	12,210	12,169	12,109	12,059	12,031
Japan	3,950	3,928	3,833	3,859	3,853	3,846	3,837	3,823	3,794	3,776	3,766
Mexico	3,500	3,456	3,490	3,509	3,527	3,547	3,551	3,555	3,556	3,555	3,552
Other CIS †	945	588	563	553	533	520	509	499	486	473	460
South Korea	1,200	1,237	1,202	1,211	1,206	1,204	1,211	1,218	1,219	1,223	1,229
Taiwan	2,250	2,226	2,232	2,259	2,280	2,302	2,325	2,347	2,368	2,392	2,415
Rest of World	9,155	10,096	9,807	10,127	10,376	10,616	10,891	11,176	11,434	11,699	11,984
Residual	3,706	3,706	3,706	3,706	3,706	3,706	3,706	3,706	3,706	3,706	3,706
Total Net Imports	79,176	80,986	80,921	83,541	85,607	87,618	89,833	92,106	94,322	96,587	98,655
Prices	(U.S. Dollars per Metric Ton)										
Illinois Processor	362	338	357	359	365	371	375	379	384	388	390
CIF Rotterdam	408	382	404	408	414	422	427	431	437	440	442

* Total net exports are the sum of all positive net exports and negative net imports.

† Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

Soybean Meal Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	26,718	29,111	30,364	31,474	32,322	33,168	34,040	34,812	35,576	36,312	36,921
Brazil	12,800	13,440	12,603	12,811	12,828	12,917	13,073	13,222	13,299	13,352	13,347
China	530	334	-21	-116	-112	-55	172	243	322	457	648
India	3,198	3,287	3,622	3,630	3,623	3,617	3,664	3,704	3,745	3,796	3,817
Paraguay	1,064	1,134	1,174	1,201	1,226	1,253	1,279	1,309	1,338	1,367	1,399
United States	8,841	9,401	9,802	9,926	9,945	10,038	10,131	10,394	10,612	10,796	11,142
Total Net Exports *	53,151	56,707	57,565	59,042	59,943	60,993	62,359	63,683	64,890	66,079	67,273
Net Importers	(U.S. Dollars per Metric Ton)										
Canada	1,221	1,297	1,290	1,288	1,286	1,257	1,251	1,262	1,265	1,265	1,266
European Union	22,480	24,374	24,175	24,278	24,048	24,079	24,258	24,474	24,594	24,723	24,923
Japan	1,700	1,765	1,828	1,908	1,979	2,048	2,108	2,138	2,157	2,162	2,158
Mexico	1,443	1,544	1,551	1,593	1,627	1,657	1,709	1,752	1,795	1,837	1,879
Other CIS †	548	900	895	898	895	898	903	902	902	908	915
South Korea	1,850	1,975	1,904	1,878	1,879	1,886	1,894	1,895	1,896	1,896	1,893
Taiwan	90	137	115	105	114	127	145	154	161	164	164
Rest of World	21,824	22,721	23,792	24,984	26,009	26,990	28,096	29,111	30,125	31,129	32,081
Residual	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995
Total Net Imports	53,151	56,707	57,565	59,042	59,943	60,993	62,359	63,683	64,890	66,079	67,273
Prices	(U.S. Dollars per Metric Ton)										
FOB Decatur 48%	322	300	307	308	312	315	316	316	317	317	318
CIF Rotterdam	377	351	359	361	365	369	369	370	371	371	372

* Total net exports are the sum of all positive net exports and negative net imports.

† Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

Soybean Oil Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	5,220	5,562	5,834	6,092	6,311	6,546	6,797	7,025	7,255	7,479	7,673
Brazil	1,320	1,518	1,272	1,261	1,222	1,225	1,263	1,312	1,347	1,378	1,397
Paraguay	246	268	280	288	297	306	315	324	333	343	353
United States	1,427	1,182	1,204	1,191	1,296	1,276	1,150	1,125	1,131	1,142	1,210
Total Net Exports *	8,304	8,556	8,622	8,869	9,164	9,396	9,572	9,837	10,121	10,401	10,695
Net Importers	(U.S. Dollars per Metric Ton)										
Canada	19	18	18	18	18	14	11	13	14	14	15
China	2,300	2,428	2,510	2,468	2,526	2,554	2,555	2,560	2,580	2,610	2,674
European Union	410	573	622	694	739	809	876	957	1,040	1,120	1,183
India	881	990	1,015	1,104	1,196	1,287	1,367	1,456	1,541	1,624	1,716
Japan	50	49	51	53	51	50	51	53	57	60	61
Mexico	193	216	206	213	222	228	239	251	265	280	299
Other CIS †	-90	-26	-33	-36	-40	-43	-47	-51	-55	-58	-62
South Korea	295	329	337	348	359	365	369	372	378	385	393
Taiwan	-1	28	24	31	39	42	44	45	46	48	50
Rest of World	3,758	3,527	3,442	3,541	3,616	3,649	3,662	3,732	3,803	3,862	3,906
Residual	398	398	398	398	398	398	398	398	398	398	398
Total Net Imports	8,304	8,556	8,622	8,869	9,164	9,396	9,572	9,837	10,121	10,401	10,695
Prices	(U.S. Dollars per Metric Ton)										
FOB Decatur	812	798	856	870	879	896	921	945	966	984	995
FOB Rotterdam	915	900	963	979	989	1,008	1,035	1,061	1,085	1,105	1,117

* Total net exports are the sum of all positive net exports and negative net imports.

† Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

World Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
	(Thousand Hectares)										
Area Harvested	101,769	101,800	101,353	103,316	104,384	105,428	106,581	107,665	108,730	109,798	110,821
	(Thousand Metric Tons)										
Production	253,576	251,673	252,413	259,337	264,068	268,942	274,533	279,920	285,024	290,245	295,083
Beginning Stocks	32,979	45,771	47,202	46,739	47,007	47,092	47,096	47,197	47,289	47,350	47,434
Domestic Supply	286,555	297,444	299,615	306,076	311,075	316,034	321,629	327,117	332,313	337,596	342,517
Crush	203,965	213,156	215,797	221,700	226,365	231,132	236,400	241,586	246,516	251,498	256,150
Food Use	14,651	14,960	14,986	15,179	15,328	15,426	15,557	15,675	15,798	15,915	15,981
Other Use	18,462	18,420	18,387	18,484	18,584	18,674	18,770	18,861	18,942	19,043	19,157
Residual	3,706	3,706	3,706	3,706	3,706	3,706	3,706	3,706	3,706	3,706	3,706
Ending Stocks	45,771	47,202	46,739	47,007	47,092	47,096	47,197	47,289	47,350	47,434	47,523
Domestic Use	286,555	297,444	299,615	306,076	311,075	316,033	321,629	327,117	332,312	337,596	342,516
Trade *	79,176	80,986	80,921	83,541	85,607	87,618	89,833	92,106	94,322	96,587	98,655
Soybean Meal											
Production	160,009	167,148	169,246	173,888	177,561	181,312	185,457	189,538	193,420	197,343	201,008
Consumption	157,665	164,671	167,178	171,798	175,542	179,265	183,369	187,457	191,350	195,267	198,945
Ending Stocks	5,549	6,031	6,105	6,200	6,224	6,275	6,368	6,454	6,528	6,610	6,678
Trade *	53,151	56,707	57,565	59,042	59,943	60,993	62,359	63,683	64,890	66,079	67,273
Soybean Oil											
Production	37,659	39,651	40,250	41,459	42,441	43,451	44,562	45,664	46,727	47,806	48,829
Consumption	37,447	39,168	39,914	41,043	42,012	43,043	44,168	45,273	46,336	47,406	48,419
Ending Stocks	2,725	2,810	2,748	2,765	2,797	2,806	2,802	2,795	2,788	2,791	2,803
Trade *	8,304	8,556	8,622	8,869	9,164	9,396	9,572	9,837	10,121	10,401	10,695
	(Kilograms)										
Per Capita Consumption	5.48	5.67	5.72	5.82	5.90	5.98	6.07	6.16	6.25	6.33	6.41

* Excludes intraregional trade.

U.S. Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
Area Harvested	30,921	30,626	30,421	30,763	30,736	30,810	30,926	31,014	31,131	31,210	31,358
	(Thousand Hectares)										
Yield	2.96	2.85	2.88	2.91	2.93	2.96	2.99	3.01	3.04	3.07	3.09
	(Metric Tons per Hectare)										
Production	91,474	87,395	87,579	89,407	90,167	91,170	92,362	93,493	94,718	95,684	96,883
Beginning Stocks	3,761	7,188	7,757	7,343	7,410	7,389	7,329	7,314	7,298	7,298	7,293
Domestic Supply	95,235	94,583	95,336	96,750	97,577	98,559	99,690	100,807	102,016	102,983	104,175
Crush	46,508	48,543	49,530	50,572	51,386	52,191	53,112	54,067	54,967	55,852	56,769
Seed, Residual	4,427	4,426	4,433	4,468	4,529	4,575	4,612	4,647	4,679	4,723	4,778
Ending Stocks	7,188	7,757	7,343	7,410	7,389	7,329	7,314	7,298	7,298	7,293	7,306
Domestic Use	58,123	60,726	61,306	62,451	63,303	64,094	65,039	66,011	66,944	67,868	68,853
Net Trade	37,112	33,857	34,030	34,299	34,274	34,465	34,652	34,796	35,071	35,115	35,322
Soybean Meal											
Production	36,648	38,235	39,013	39,834	40,475	41,109	41,835	42,586	43,296	43,992	44,715
Beginning Stocks	213	218	233	234	236	237	238	241	242	243	245
Domestic Supply	36,861	38,453	39,246	40,067	40,711	41,346	42,073	42,827	43,538	44,236	44,960
Consumption	27,802	28,820	29,210	29,906	30,529	31,069	31,702	32,191	32,683	33,196	33,572
Ending Stocks	218	233	234	236	237	238	241	242	243	245	246
Domestic Use	28,020	29,052	29,443	30,141	30,766	31,308	31,942	32,433	32,926	33,440	33,817
Net Trade	8,841	9,401	9,802	9,926	9,945	10,038	10,131	10,394	10,612	10,796	11,142
Soybean Oil											
Production	8,651	9,208	9,396	9,593	9,748	9,901	10,075	10,256	10,427	10,595	10,769
Beginning Stocks	1,244	957	982	958	961	972	972	965	955	944	937
Domestic Supply	9,895	10,166	10,378	10,552	10,709	10,872	11,047	11,221	11,382	11,539	11,706
Food Use	6,451	6,605	6,558	6,625	6,709	6,773	6,822	6,881	6,943	7,018	7,105
Biodiesel Use	1,060	1,396	1,659	1,774	1,732	1,851	2,110	2,260	2,364	2,441	2,455
Ending Stocks	957	982	958	961	972	972	965	955	944	937	935
Domestic Use	8,468	8,983	9,175	9,360	9,413	9,596	9,897	10,096	10,251	10,397	10,496
Net Trade	1,427	1,182	1,204	1,191	1,296	1,276	1,150	1,125	1,131	1,142	1,210

Argentine Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
	(Thousand Hectares)										
Area Harvested	18,800	18,502	18,757	19,029	19,305	19,590	19,846	20,099	20,366	20,631	20,909
	(Metric Tons per Hectare)										
Yield	2.82	2.84	2.86	2.88	2.90	2.92	2.94	2.96	2.98	3.01	3.03
	(Thousand Metric Tons)										
Production	53,000	52,512	53,661	54,745	55,892	57,138	58,338	59,518	60,728	62,018	63,307
Beginning Stocks	16,186	22,858	23,049	23,003	23,099	23,158	23,199	23,264	23,312	23,328	23,364
Domestic Supply	69,186	75,370	76,711	77,748	78,992	80,296	81,537	82,782	84,040	85,346	86,670
Crush	35,000	38,207	39,799	41,281	42,398	43,519	44,686	45,712	46,728	47,719	48,539
Other Use	1,628	1,627	1,642	1,677	1,707	1,735	1,765	1,791	1,815	1,842	1,867
Ending Stocks	22,858	23,049	23,003	23,099	23,158	23,199	23,264	23,312	23,328	23,364	23,386
Domestic Use	59,486	62,883	64,445	66,057	67,262	68,453	69,715	70,816	71,872	72,925	73,792
Net Trade	9,700	12,487	12,266	11,692	11,730	11,843	11,823	11,966	12,168	12,421	12,878
Soybean Meal											
Production	27,370	29,878	31,123	32,281	33,155	34,032	34,945	35,747	36,542	37,317	37,957
Beginning Stocks	1,464	1,441	1,484	1,486	1,499	1,506	1,511	1,522	1,529	1,532	1,537
Domestic Supply	28,834	31,319	32,607	33,768	34,654	35,538	36,455	37,269	38,071	38,849	39,494
Consumption	675	723	757	794	826	859	893	928	963	1,000	1,036
Ending Stocks	1,441	1,484	1,486	1,499	1,506	1,511	1,522	1,529	1,532	1,537	1,537
Domestic Use	2,116	2,208	2,243	2,293	2,332	2,370	2,415	2,457	2,495	2,537	2,573
Net Trade	26,718	29,111	30,364	31,474	32,322	33,168	34,040	34,812	35,576	36,312	36,921
Soybean Oil											
Production	6,717	7,359	7,694	8,009	8,255	8,504	8,764	8,997	9,230	9,459	9,655
Beginning Stocks	231	81	87	82	86	91	93	95	96	95	96
Domestic Supply	6,948	7,440	7,781	8,091	8,342	8,595	8,857	9,092	9,325	9,554	9,751
Food Use	400	412	414	423	431	439	446	452	458	465	472
Industrial Use	1,247	1,378	1,451	1,490	1,509	1,517	1,520	1,519	1,517	1,514	1,510
Ending Stocks	81	87	82	86	91	93	95	96	95	96	97
Domestic Use	1,728	1,878	1,947	1,999	2,031	2,049	2,060	2,067	2,070	2,075	2,078
Net Trade	5,220	5,562	5,834	6,092	6,311	6,546	6,797	7,025	7,255	7,479	7,673

Brazilian Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
	(Thousand Hectares)										
Area Harvested	23,063	23,615	23,058	24,089	24,664	25,087	25,589	26,078	26,501	26,970	27,261
	(Metric Tons per Hectare)										
Yield	2.83	2.84	2.86	2.87	2.89	2.92	2.95	2.98	3.01	3.03	3.05
	(Thousand Metric Tons)										
Production	65,159	67,137	65,954	69,230	71,357	73,188	75,479	77,729	79,636	81,740	83,245
Beginning Stocks	1,773	3,702	3,706	3,701	3,700	3,699	3,697	3,697	3,696	3,695	3,695
Domestic Supply	66,932	70,839	69,660	72,931	75,057	76,887	79,176	81,426	83,332	85,435	86,940
Crush	32,200	33,963	33,085	33,601	33,884	34,243	34,698	35,161	35,531	35,886	36,192
Other Use	5,180	5,142	5,099	5,058	5,017	4,976	4,935	4,895	4,854	4,814	4,774
Ending Stocks	3,702	3,706	3,701	3,700	3,699	3,697	3,697	3,696	3,695	3,695	3,695
Domestic Use	41,082	42,811	41,885	42,359	42,599	42,916	43,330	43,751	44,081	44,395	44,661
Net Trade	25,850	28,028	27,775	30,572	32,457	33,970	35,846	37,674	39,252	41,040	42,279
Soybean Meal											
Production	24,500	25,841	25,173	25,566	25,781	26,055	26,400	26,753	27,035	27,304	27,538
Beginning Stocks	1,951	2,151	2,152	2,151	2,151	2,151	2,151	2,151	2,151	2,151	2,151
Domestic Supply	26,451	27,992	27,325	27,717	27,932	28,206	28,551	28,904	29,185	29,455	29,688
Consumption	11,500	12,400	12,571	12,755	12,953	13,138	13,327	13,531	13,736	13,953	14,190
Ending Stocks	2,151	2,152	2,151	2,151	2,151	2,151	2,151	2,151	2,151	2,151	2,151
Domestic Use	13,651	14,552	14,722	14,906	15,104	15,289	15,478	15,682	15,887	16,104	16,341
Net Trade	12,800	13,440	12,603	12,811	12,828	12,917	13,073	13,222	13,299	13,352	13,347
Soybean Oil											
Production	6,100	6,434	6,268	6,365	6,419	6,487	6,573	6,661	6,731	6,798	6,856
Beginning Stocks	303	436	436	426	423	422	419	416	413	410	408
Domestic Supply	6,403	6,870	6,704	6,792	6,842	6,909	6,992	7,077	7,144	7,209	7,265
Food Use	3,082	3,134	3,123	3,152	3,192	3,223	3,250	3,276	3,305	3,340	3,381
Industrial Use	1,565	1,781	1,882	1,955	2,007	2,041	2,063	2,076	2,082	2,082	2,079
Ending Stocks	436	436	426	423	422	419	416	413	410	408	408
Domestic Use	5,083	5,352	5,432	5,531	5,621	5,684	5,729	5,765	5,797	5,830	5,868
Net Trade	1,320	1,518	1,272	1,261	1,222	1,225	1,263	1,312	1,347	1,378	1,397

Canadian Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
					(Thousand Hectares)						
Area Harvested	1,380	1,346	1,340	1,349	1,358	1,371	1,387	1,395	1,401	1,410	1,418
					(Metric Tons per Hectare)						
Yield	2.54	2.56	2.58	2.58	2.59	2.60	2.62	2.63	2.64	2.66	2.67
					(Thousand Metric Tons)						
Production	3,500	3,444	3,452	3,487	3,519	3,571	3,631	3,671	3,700	3,744	3,780
Beginning Stocks	174	220	284	277	288	284	264	262	274	278	284
Domestic Supply	3,674	3,664	3,737	3,764	3,807	3,856	3,895	3,933	3,974	4,022	4,064
Crush	1,375	1,389	1,384	1,401	1,415	1,441	1,462	1,474	1,485	1,497	1,508
Other Use	455	460	456	462	464	464	469	475	478	483	488
Ending Stocks	220	284	277	288	284	264	262	274	278	284	292
Domestic Use	2,050	2,133	2,118	2,152	2,164	2,169	2,193	2,223	2,241	2,264	2,289
Net Trade	1,624	1,530	1,619	1,612	1,643	1,687	1,702	1,710	1,733	1,758	1,775
Soybean Meal											
Production	1,085	1,096	1,092	1,106	1,116	1,137	1,154	1,163	1,171	1,181	1,190
Beginning Stocks	21	27	30	30	30	30	30	30	31	31	31
Domestic Supply	1,106	1,123	1,122	1,136	1,147	1,168	1,184	1,193	1,202	1,212	1,221
Consumption	2,300	2,390	2,382	2,393	2,403	2,395	2,405	2,424	2,436	2,446	2,455
Ending Stocks	27	30	30	30	30	30	30	31	31	31	32
Domestic Use	2,327	2,420	2,412	2,424	2,433	2,424	2,435	2,455	2,467	2,477	2,487
Net Trade	-1,221	-1,297	-1,290	-1,288	-1,286	-1,257	-1,251	-1,262	-1,265	-1,265	-1,266
Soybean Oil											
Production	251	254	253	256	258	263	267	269	271	273	275
Beginning Stocks	9	16	16	16	16	16	16	16	16	16	16
Domestic Supply	260	270	269	272	275	279	283	285	287	289	291
Consumption	263	271	271	274	277	277	278	282	285	288	291
Ending Stocks	16	16	16	16	16	16	16	16	16	16	16
Domestic Use	279	287	287	290	293	293	294	298	300	303	306
Net Trade	-19	-18	-18	-18	-18	-14	-11	-13	-14	-14	-15

Chinese Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
Area Harvested	8,800	8,687	8,576	8,594	8,593	8,598	8,607	8,609	8,612	8,604	8,645
	(Thousand Hectares)										
Yield	1.65	1.67	1.69	1.70	1.72	1.74	1.76	1.78	1.79	1.81	1.83
	(Metric Tons per Hectare)										
Production	14,500	14,486	14,500	14,639	14,762	14,932	15,127	15,293	15,420	15,581	15,796
Beginning Stocks	9,008	9,698	9,843	9,865	9,931	9,985	10,022	10,057	10,089	10,116	10,145
Domestic Supply	23,508	24,184	24,344	24,504	24,694	24,916	25,149	25,350	25,509	25,697	25,940
Crush	44,780	46,522	47,314	49,562	51,366	53,286	55,366	57,473	59,549	61,683	63,685
Food Use	8,780	9,097	9,134	9,281	9,404	9,476	9,572	9,654	9,745	9,825	9,850
Feed Use	1,750	1,751	1,746	1,746	1,746	1,747	1,747	1,747	1,747	1,747	1,749
Ending Stocks	9,698	9,843	9,865	9,931	9,985	10,022	10,057	10,089	10,116	10,145	10,168
Domestic Use	65,008	67,214	68,059	70,521	72,502	74,531	76,742	78,964	81,158	83,400	85,452
Net Trade	-41,500	-43,030	-43,715	-46,017	-47,808	-49,615	-51,593	-53,614	-55,649	-57,703	-59,512
Soybean Meal											
Production	35,439	36,818	37,444	39,224	40,651	42,171	43,817	45,485	47,127	48,816	50,401
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	35,439	36,818	37,444	39,224	40,651	42,171	43,817	45,485	47,127	48,816	50,401
Consumption	34,909	36,484	37,465	39,340	40,764	42,226	43,645	45,242	46,805	48,360	49,753
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	34,909	36,484	37,465	39,340	40,764	42,226	43,645	45,242	46,805	48,360	49,753
Net Trade	530	334	-21	-116	-112	-55	172	243	322	457	648
Soybean Oil											
Production	7,982	8,362	8,576	9,057	9,464	9,898	10,367	10,848	11,329	11,828	12,307
Beginning Stocks	466	428	432	432	434	437	438	439	440	441	442
Domestic Supply	8,448	8,790	9,007	9,489	9,899	10,335	10,806	11,287	11,769	12,269	12,749
Consumption	10,320	10,787	11,086	11,523	11,988	12,451	12,921	13,407	13,909	14,437	14,980
Ending Stocks	428	432	432	434	437	438	439	440	441	442	443
Domestic Use	10,748	11,218	11,517	11,957	12,424	12,889	13,360	13,848	14,350	14,879	15,423
Net Trade	-2,300	-2,428	-2,510	-2,468	-2,526	-2,554	-2,555	-2,560	-2,580	-2,610	-2,674

European Union Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
	(Thousand Hectares)										
Area Harvested	370	373	365	365	368	371	371	370	369	368	367
	(Metric Tons per Hectare)										
Yield	2.68	2.70	2.72	2.73	2.75	2.76	2.78	2.80	2.81	2.83	2.85
	(Thousand Metric Tons)										
Production	990	1,006	992	996	1,010	1,024	1,032	1,035	1,037	1,042	1,044
Beginning Stocks	675	787	1,147	1,151	1,157	1,150	1,151	1,156	1,162	1,167	1,172
Domestic Supply	1,665	1,793	2,139	2,147	2,168	2,174	2,183	2,192	2,199	2,208	2,216
Crush	12,600	12,195	12,190	12,113	12,165	12,111	12,056	12,013	11,951	11,900	11,868
Other Use	1,248	1,171	1,170	1,177	1,171	1,174	1,180	1,185	1,190	1,196	1,201
Ending Stocks	787	1,147	1,151	1,157	1,150	1,151	1,156	1,162	1,167	1,172	1,178
Domestic Use	14,635	14,514	14,511	14,447	14,485	14,436	14,393	14,360	14,307	14,268	14,247
Net Trade	-12,970	-12,721	-12,372	-12,299	-12,318	-12,263	-12,210	-12,169	-12,109	-12,059	-12,031
Soybean Meal											
Production	9,926	9,607	9,603	9,542	9,583	9,541	9,498	9,464	9,415	9,374	9,350
Beginning Stocks	292	398	533	575	600	580	591	617	642	665	688
Domestic Supply	10,218	10,005	10,136	10,117	10,183	10,121	10,089	10,081	10,057	10,039	10,038
Consumption	32,300	33,847	33,735	33,796	33,650	33,609	33,730	33,913	33,986	34,074	34,253
Ending Stocks	398	533	575	600	580	591	617	642	665	688	708
Domestic Use	32,698	34,380	34,310	34,395	34,230	34,200	34,347	34,555	34,651	34,762	34,961
Net Trade	-22,480	-24,374	-24,175	-24,278	-24,048	-24,079	-24,258	-24,474	-24,594	-24,723	-24,923
Soybean Oil											
Production	2,268	2,195	2,194	2,180	2,190	2,180	2,170	2,162	2,151	2,142	2,136
Beginning Stocks	134	182	186	186	187	186	186	186	187	187	188
Domestic Supply	2,402	2,377	2,380	2,367	2,377	2,366	2,356	2,349	2,338	2,329	2,324
Food Use	1,450	1,485	1,475	1,484	1,489	1,494	1,498	1,505	1,511	1,519	1,525
Biodiesel and Industrial Use	1,050	1,149	1,211	1,260	1,310	1,365	1,418	1,484	1,550	1,613	1,663
Other Use	130	130	130	130	130	130	130	130	130	130	130
Ending Stocks	182	186	186	187	186	186	186	187	187	188	189
Domestic Use	2,812	2,950	3,003	3,061	3,115	3,174	3,232	3,305	3,378	3,449	3,507
Net Trade	-410	-573	-622	-694	-739	-809	-876	-957	-1,040	-1,120	-1,183

Indian Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
Area Harvested	9,600	9,550	9,547	9,611	9,631	9,662	9,704	9,741	9,781	9,825	9,872
	(Thousand Hectares)										
Yield	0.92	0.94	0.95	0.96	0.96	0.96	0.97	0.98	0.99	0.99	1.00
	(Metric Tons per Hectare)										
Production	8,800	9,001	9,108	9,180	9,229	9,281	9,411	9,525	9,639	9,768	9,855
Beginning Stocks	393	388	400	400	403	405	406	409	411	413	415
Domestic Supply	9,193	9,389	9,507	9,580	9,631	9,686	9,818	9,933	10,050	10,181	10,270
Crush	7,600	7,815	7,948	8,013	8,055	8,098	8,216	8,317	8,419	8,534	8,607
Other Use	1,200	1,169	1,154	1,159	1,167	1,176	1,188	1,201	1,213	1,227	1,241
Ending Stocks	388	400	400	403	405	406	409	411	413	415	417
Domestic Use	9,188	9,384	9,502	9,575	9,626	9,681	9,813	9,928	10,045	10,176	10,265
Net Trade	5	5	5	5	5	5	5	5	5	5	5
Soybean Meal											
Production	6,065	6,236	6,343	6,395	6,428	6,463	6,556	6,637	6,719	6,811	6,869
Beginning Stocks	452	429	512	530	547	562	577	596	613	630	647
Domestic Supply	6,517	6,665	6,855	6,925	6,976	7,025	7,134	7,233	7,332	7,441	7,516
Consumption	2,890	2,866	2,703	2,748	2,791	2,830	2,874	2,915	2,957	2,997	3,037
Ending Stocks	429	512	530	547	562	577	596	613	630	647	663
Domestic Use	3,319	3,378	3,233	3,295	3,353	3,408	3,470	3,529	3,587	3,644	3,699
Net Trade	3,198	3,287	3,622	3,630	3,623	3,617	3,664	3,704	3,745	3,796	3,817
Soybean Oil											
Production	1,362	1,404	1,432	1,448	1,460	1,472	1,497	1,520	1,542	1,568	1,586
Beginning Stocks	193	193	212	210	214	221	225	228	231	235	239
Domestic Supply	1,555	1,597	1,644	1,658	1,674	1,692	1,722	1,747	1,773	1,802	1,825
Consumption	2,243	2,375	2,450	2,547	2,650	2,754	2,861	2,972	3,080	3,188	3,296
Ending Stocks	193	212	210	214	221	225	228	231	235	239	244
Domestic Use	2,436	2,587	2,659	2,761	2,870	2,979	3,089	3,203	3,314	3,427	3,540
Net Trade	-881	-990	-1,015	-1,104	-1,196	-1,287	-1,367	-1,456	-1,541	-1,624	-1,716

Japanese Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
	(Thousand Hectares)										
Area Harvested	138	133	132	133	132	132	132	132	132	132	132
	(Metric Tons per Hectare)										
Yield	1.63	1.64	1.64	1.64	1.65	1.65	1.66	1.66	1.66	1.66	1.66
	(Thousand Metric Tons)										
Production	225	217	217	218	217	218	219	220	219	220	219
Beginning Stocks	94	164	179	171	176	172	170	171	173	174	175
Domestic Supply	319	381	396	389	393	391	389	391	392	393	394
Crush	2,750	2,755	2,695	2,702	2,711	2,709	2,698	2,683	2,657	2,638	2,627
Food Use	1,040	1,057	1,046	1,051	1,044	1,040	1,039	1,039	1,037	1,037	1,038
Feed Use	315	317	318	319	318	318	319	319	319	318	318
Ending Stocks	164	179	171	176	172	170	171	173	174	175	178
Domestic Use	4,269	4,309	4,229	4,248	4,246	4,237	4,227	4,214	4,187	4,169	4,160
Net Trade	-3,950	-3,928	-3,833	-3,859	-3,853	-3,846	-3,837	-3,823	-3,794	-3,776	-3,766
Soybean Meal											
Production	2,139	2,143	2,096	2,102	2,109	2,107	2,098	2,087	2,067	2,052	2,043
Beginning Stocks	167	158	168	168	172	170	170	172	174	176	179
Domestic Supply	2,306	2,301	2,264	2,270	2,281	2,277	2,268	2,259	2,241	2,228	2,222
Consumption	3,848	3,898	3,924	4,006	4,089	4,155	4,204	4,223	4,222	4,211	4,199
Ending Stocks	158	168	168	172	170	170	172	174	176	179	181
Domestic Use	4,006	4,066	4,092	4,177	4,259	4,325	4,376	4,397	4,398	4,390	4,380
Net Trade	-1,700	-1,765	-1,828	-1,908	-1,979	-2,048	-2,108	-2,138	-2,157	-2,162	-2,158
Soybean Oil											
Production	502	503	492	493	495	494	492	490	485	482	479
Beginning Stocks	5	12	12	11	11	11	11	11	11	11	11
Domestic Supply	507	515	504	505	506	506	504	501	496	492	490
Consumption	545	552	544	547	546	545	543	543	542	542	540
Ending Stocks	12	12	11	11	11	11	11	11	11	11	11
Domestic Use	557	564	555	558	558	556	554	554	553	552	551
Net Trade	-50	-49	-51	-53	-51	-50	-51	-53	-57	-60	-61

Mexican Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
	(Thousand Hectares)										
Area Harvested	70	68	69	70	71	73	74	75	76	77	78
	(Metric Tons per Hectare)										
Yield	1.50	1.52	1.55	1.57	1.58	1.61	1.63	1.66	1.67	1.70	1.72
	(Thousand Metric Tons)										
Production	105	104	106	110	113	117	121	124	128	131	135
Beginning Stocks	36	46	48	47	47	47	47	48	48	48	49
Domestic Supply	141	150	154	157	161	164	168	172	176	180	184
Crush	3,560	3,523	3,562	3,584	3,606	3,629	3,637	3,644	3,649	3,652	3,651
Food Use	0	0	0	0	0	0	0	0	0	0	0
Feed Use	35	35	35	35	35	35	35	35	35	35	35
Ending Stocks	46	48	47	47	47	47	48	48	48	49	49
Domestic Use	3,641	3,606	3,645	3,666	3,688	3,711	3,720	3,727	3,732	3,735	3,735
Net Trade	-3,500	-3,456	-3,490	-3,509	-3,527	-3,547	-3,551	-3,555	-3,556	-3,555	-3,552
Soybean Meal											
Production	2,800	2,771	2,802	2,819	2,836	2,854	2,861	2,866	2,870	2,872	2,872
Beginning Stocks	91	34	36	36	37	37	37	37	38	38	39
Domestic Supply	2,891	2,805	2,838	2,855	2,872	2,891	2,897	2,904	2,908	2,910	2,911
Consumption	4,300	4,313	4,353	4,411	4,463	4,511	4,569	4,618	4,664	4,708	4,750
Ending Stocks	34	36	36	37	37	37	37	38	38	39	40
Domestic Use	4,334	4,349	4,389	4,448	4,499	4,548	4,607	4,656	4,703	4,747	4,789
Net Trade	-1,443	-1,544	-1,551	-1,593	-1,627	-1,657	-1,709	-1,752	-1,795	-1,837	-1,879
Soybean Oil											
Production	626	619	626	630	634	638	640	641	642	642	642
Beginning Stocks	5	9	9	9	9	9	9	9	9	9	9
Domestic Supply	631	628	636	639	643	647	648	650	651	651	651
Consumption	815	836	832	843	856	866	879	892	907	922	941
Ending Stocks	9	9	9	9	9	9	9	9	9	9	9
Domestic Use	824	845	841	852	865	875	888	901	915	931	950
Net Trade	-193	-216	-206	-213	-222	-228	-239	-251	-265	-280	-299

Other CIS Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
	(Thousand Hectares)										
Area Harvested	800	851	886	918	948	978	1,008	1,038	1,068	1,099	1,130
	(Metric Tons per Hectare)										
Yield	1.19	1.14	1.16	1.17	1.19	1.21	1.22	1.23	1.25	1.26	1.27
	(Thousand Metric Tons)										
Production	950	969	1,028	1,076	1,132	1,182	1,232	1,280	1,331	1,383	1,435
Beginning Stocks	92	127	130	130	131	131	132	132	133	133	134
Domestic Supply	1,042	1,096	1,158	1,206	1,263	1,314	1,363	1,413	1,464	1,516	1,568
Crush	1,810	1,502	1,538	1,574	1,610	1,646	1,683	1,721	1,758	1,796	1,834
Other Use	50	52	53	54	55	56	57	58	59	60	60
Ending Stocks	127	130	130	131	131	132	132	133	133	134	134
Domestic Use	1,987	1,684	1,721	1,759	1,796	1,833	1,872	1,911	1,950	1,989	2,028
Net Trade	-945	-588	-563	-553	-533	-520	-509	-499	-486	-473	-460
Soybean Meal											
Production	1,427	1,182	1,211	1,239	1,267	1,295	1,325	1,354	1,384	1,413	1,443
Beginning Stocks	8	14	16	16	16	16	16	17	17	17	17
Domestic Supply	1,435	1,196	1,226	1,255	1,283	1,312	1,341	1,371	1,401	1,431	1,461
Consumption	1,969	2,080	2,106	2,137	2,162	2,193	2,227	2,257	2,286	2,321	2,358
Ending Stocks	14	16	16	16	16	16	17	17	17	17	17
Domestic Use	1,983	2,096	2,122	2,153	2,178	2,209	2,244	2,274	2,303	2,338	2,376
Net Trade	-548	-900	-895	-898	-895	-898	-903	-902	-902	-908	-915
Soybean Oil											
Production	324	269	275	282	288	295	301	308	315	321	328
Beginning Stocks	13	11	12	11	12	12	12	12	12	12	12
Domestic Supply	337	280	287	293	300	306	313	320	327	334	341
Consumption	236	242	243	245	248	251	254	257	260	263	266
Ending Stocks	11	12	11	12	12	12	12	12	12	12	12
Domestic Use	247	254	254	257	260	263	266	269	272	275	279
Net Trade	90	26	33	36	40	43	47	51	55	58	62

Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

Paraguayan Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
	(Thousand Hectares)										
Area Harvested	2,800	2,848	2,894	2,949	3,003	3,055	3,104	3,153	3,203	3,253	3,305
	(Metric Tons per Hectare)										
Yield	2.39	2.42	2.44	2.46	2.48	2.51	2.53	2.56	2.58	2.61	2.63
	(Thousand Metric Tons)										
Production	6,700	6,883	7,076	7,266	7,455	7,658	7,865	8,070	8,264	8,476	8,683
Beginning Stocks	44	179	185	183	183	183	183	184	184	184	185
Domestic Supply	6,744	7,062	7,260	7,449	7,638	7,841	8,049	8,254	8,448	8,660	8,867
Crush	1,550	1,665	1,718	1,772	1,822	1,874	1,924	1,979	2,033	2,089	2,148
Food Use	0	0	0	0	0	0	0	0	0	0	0
Feed Use	130	134	133	134	135	136	136	137	138	139	140
Ending Stocks	179	185	183	183	183	183	184	184	184	185	185
Domestic Use	1,859	1,983	2,034	2,089	2,140	2,193	2,244	2,300	2,355	2,413	2,473
Net Trade	4,885	5,079	5,227	5,360	5,498	5,648	5,804	5,954	6,093	6,247	6,395
Soybean Meal											
Production	1,209	1,299	1,340	1,382	1,421	1,462	1,501	1,543	1,586	1,630	1,676
Beginning Stocks	25	21	28	25	24	24	23	23	23	23	22
Domestic Supply	1,234	1,320	1,368	1,408	1,446	1,485	1,524	1,567	1,609	1,652	1,698
Consumption	149	158	169	182	196	209	222	235	248	263	277
Ending Stocks	21	28	25	24	24	23	23	23	23	22	22
Domestic Use	170	186	194	207	220	233	245	258	271	285	299
Net Trade	1,064	1,134	1,174	1,201	1,226	1,253	1,279	1,309	1,338	1,367	1,399
Soybean Oil											
Production	287	308	318	328	337	347	356	366	376	387	398
Beginning Stocks	15	18	19	18	18	17	17	17	16	16	16
Domestic Supply	302	326	337	346	355	364	373	383	393	403	413
Consumption	38	39	40	40	41	41	42	43	43	44	45
Ending Stocks	18	19	18	18	17	17	17	16	16	16	15
Domestic Use	56	58	58	58	58	59	59	59	59	60	60
Net Trade	246	268	280	288	297	306	315	324	333	343	353

South Korean Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
	(Thousand Hectares)										
Area Harvested	76	66	60	59	58	58	58	58	57	57	57
	(Metric Tons per Hectare)										
Yield	1.71	1.74	1.74	1.75	1.76	1.77	1.77	1.79	1.79	1.79	1.80
	(Thousand Metric Tons)										
Production	130	114	105	102	102	102	102	103	103	103	102
Beginning Stocks	50	46	65	66	69	70	70	70	71	71	72
Domestic Supply	180	160	170	168	170	172	172	173	174	174	175
Crush	881	871	847	851	846	845	851	858	859	863	866
Food Use	403	415	415	417	418	418	419	419	420	420	421
Feed Use	50	46	43	43	42	42	42	42	42	42	42
Ending Stocks	46	65	66	69	70	70	70	71	71	72	74
Domestic Use	1,380	1,397	1,372	1,380	1,376	1,375	1,383	1,391	1,393	1,398	1,403
Net Trade	-1,200	-1,237	-1,202	-1,211	-1,206	-1,204	-1,211	-1,218	-1,219	-1,223	-1,229
Soybean Meal											
Production	704	696	677	680	676	675	680	686	687	689	692
Beginning Stocks	113	118	178	188	197	201	203	207	211	215	219
Domestic Supply	817	814	855	868	873	876	884	893	898	904	912
Consumption	2,549	2,611	2,571	2,549	2,551	2,559	2,571	2,577	2,579	2,581	2,581
Ending Stocks	118	178	188	197	201	203	207	211	215	219	224
Domestic Use	2,667	2,789	2,759	2,746	2,752	2,763	2,778	2,787	2,793	2,800	2,805
Net Trade	-1,850	-1,975	-1,904	-1,878	-1,879	-1,886	-1,894	-1,895	-1,896	-1,896	-1,893
Soybean Oil											
Production	159	157	153	154	153	152	154	155	155	156	156
Beginning Stocks	6	15	17	17	17	17	17	17	17	17	17
Domestic Supply	165	172	170	170	170	170	171	172	172	173	173
Consumption	445	484	490	501	511	518	522	527	533	540	549
Ending Stocks	15	17	17	17	17	17	17	17	17	17	17
Domestic Use	460	501	507	518	529	535	540	544	550	557	566
Net Trade	-295	-329	-337	-348	-359	-365	-369	-372	-378	-385	-393

Taiwanese Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	60	70	85	87	91	95	98	102	104	107	109
Domestic Supply	60	70	85	87	91	95	98	102	104	107	109
Crush	1,970	1,931	1,948	1,969	1,988	2,007	2,026	2,046	2,066	2,086	2,107
Food Use	270	280	282	286	289	292	295	298	300	303	306
Feed Use	0	0	0	0	0	0	0	0	0	0	0
Ending Stocks	70	85	87	91	95	98	102	104	107	109	112
Domestic Use	2,310	2,296	2,316	2,346	2,372	2,397	2,423	2,448	2,472	2,498	2,524
Net Trade	-2,250	-2,226	-2,232	-2,259	-2,280	-2,302	-2,325	-2,347	-2,368	-2,392	-2,415
Soybean Meal											
Production	1,555	1,524	1,537	1,554	1,569	1,584	1,599	1,615	1,631	1,646	1,663
Beginning Stocks	18	19	23	24	25	26	27	28	29	29	30
Domestic Supply	1,573	1,543	1,560	1,578	1,594	1,610	1,626	1,643	1,659	1,676	1,693
Consumption	1,644	1,657	1,651	1,658	1,682	1,711	1,743	1,769	1,791	1,810	1,826
Ending Stocks	19	23	24	25	26	27	28	29	29	30	31
Domestic Use	1,663	1,680	1,675	1,683	1,708	1,737	1,771	1,797	1,820	1,840	1,857
Net Trade	-90	-137	-115	-105	-114	-127	-145	-154	-161	-164	-164
Soybean Oil											
Production	352	345	348	352	355	359	362	366	369	373	376
Beginning Stocks	9	10	14	14	16	18	19	20	21	21	22
Domestic Supply	361	355	362	366	371	376	381	386	390	394	399
Consumption	350	369	372	381	392	399	405	410	414	420	426
Ending Stocks	10	14	14	16	18	19	20	21	21	22	23
Domestic Use	360	383	386	397	410	418	425	430	435	442	449
Net Trade	1	-28	-24	-31	-39	-42	-44	-45	-46	-48	-50

Rest-of-World Soybean Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Soybeans											
					(Thousand Hectares)						
Area Harvested	4,951	5,135	5,249	5,387	5,516	5,644	5,775	5,903	6,032	6,162	6,291
					(Metric Tons per Hectare)						
Yield	1.62	1.64	1.65	1.65	1.65	1.66	1.66	1.67	1.67	1.68	1.68
					(Thousand Metric Tons)						
Production	8,043	8,406	8,635	8,880	9,112	9,359	9,613	9,859	10,101	10,356	10,599
Beginning Stocks	633	298	324	316	321	325	327	331	335	339	343
Domestic Supply	8,676	8,704	8,959	9,196	9,433	9,683	9,941	10,190	10,436	10,695	10,942
Crush	11,381	12,277	12,237	12,704	13,114	13,533	13,984	14,437	14,864	15,303	15,749
Food Use	3,588	3,511	3,502	3,526	3,544	3,561	3,582	3,603	3,622	3,644	3,667
Feed Use	2,564	2,688	2,711	2,771	2,826	2,878	2,934	2,991	3,046	3,103	3,162
Ending Stocks	298	324	316	321	325	327	331	335	339	343	348
Domestic Use	17,831	18,800	18,766	19,322	19,809	20,300	20,831	21,366	21,870	22,394	22,926
Net Trade	-9,155	-10,096	-9,807	-10,127	-10,376	-10,616	-10,891	-11,176	-11,434	-11,699	-11,984
Soybean Meal											
Production	9,142	9,823	9,791	10,164	10,493	10,828	11,188	11,551	11,892	12,244	12,601
Beginning Stocks	385	521	639	641	666	683	701	728	754	778	804
Domestic Supply	9,527	10,343	10,430	10,805	11,158	11,511	11,889	12,279	12,646	13,022	13,404
Consumption	30,830	32,425	33,581	35,123	36,484	37,800	39,257	40,636	41,993	43,348	44,658
Ending Stocks	521	639	641	666	683	701	728	754	778	804	827
Domestic Use	31,351	33,064	34,222	35,789	37,167	38,501	39,985	41,390	42,772	44,151	45,485
Net Trade	-21,824	-22,721	-23,792	-24,984	-26,009	-26,990	-28,096	-29,111	-30,125	-31,129	-32,081
Soybean Oil											
Production	2,078	2,233	2,226	2,310	2,385	2,461	2,543	2,626	2,703	2,783	2,864
Beginning Stocks	278	357	375	357	361	368	371	371	372	373	377
Domestic Supply	2,356	2,590	2,601	2,667	2,746	2,829	2,914	2,997	3,075	3,157	3,241
Consumption	5,757	5,742	5,686	5,847	5,994	6,107	6,205	6,357	6,504	6,642	6,765
Ending Stocks	357	375	357	361	368	371	371	372	373	377	383
Domestic Use	6,114	6,117	6,042	6,208	6,362	6,478	6,576	6,729	6,878	7,019	7,148
Net Trade	-3,758	-3,527	-3,442	-3,541	-3,616	-3,649	-3,662	-3,732	-3,803	-3,862	-3,906

World Rapeseed and Rapeseed Products

The price spike of 2007/08 triggered a 20% increase in rapeseed production through a combination of expanded area and bumper yields. The resulting record-breaking crop faced a demand weakened by the global economic recession, and prices plummeted by almost 40% year on year. It is likely that the global scarcity of soybeans prevented a larger price decline. The demand recovery in 2009/10 increases the price only slightly, as large carryover stocks combine with a new record crop. Rapeseed prices are then expected to increase by 13% by the end of the projection period. The rapeseed meal price declined in 2008/09 and is expected to decline in the next two seasons, as large supplies become available because of expanded crush for oil, which outpaces the demand recovery. Meal prices then stabilize and grow moderately in the later period. Rapeseed oil is the driver of the complex, pushed by demand for biodiesel use in the EU. Unlike other products in the complex, the price of rapeseed oil recovers in 2009/10 and sustains strong growth during the outlook. The rapeseed oil price stays close to that of sunflower oil throughout the projection period.

Area expansion in China and the EU combined with strong yields increased world rapeseed production by 2% in 2009/10 for a new record crop, despite smaller production in Canada and India. By 2019/20, world rapeseed production reaches 69 mmt. The largest producer, the EU, holds 35% of the market, while China's production share declines to 21% over the next decade. World consumption increases 16% by 2019/20 as biodiesel demand in the EU continues to expand. Net exports of rapeseed increase to 11.4 mmt over the baseline, with Canada positioned as the dominant net exporter. However, Canada is expected to lose some market share to Ukraine and Other CIS countries.

Canada's rapeseed harvested area is expected to increase to 6.9 mha, pushing production to 13.9 mmt by 2019/20. Canada's rapeseed-derived products are generally export oriented. By 2019/20, Canada's net exports account for roughly 85% of the rapeseed meal and oil produced. Over the next decade, Canada's rapeseed meal net exports reach 3.0 mmt, accounting for 63% of world net exports. Rapeseed oil net exports increase 40% by 2018/19, contributing almost 85% of world net exports.

Ukraine maintains its recently acquired position as an important net exporter of rapeseed throughout the baseline. While its production declined from the bumper crop of 2008/09 as yield returned to normal levels, area harvested is expected to remain at much higher levels than in the previous decade. Because of a lack of crushing facilities, more than 80% of Ukraine's annual production is expected to enter the world market by 2019/20.

Rapeseed is expected to remain the dominant oilseed crop in the EU for the outlook period. Harvested area expanded recently and grows an additional 11% over the outlook period, reaching 7.36 mha by 2019/20. That area is expected to be 40% higher on average in the outlook period than in the previous decade. Because of extensive demand for biodiesel, rapeseed crush is projected to grow on average by 2.3% annually for the remainder of the baseline. Consumption of rapeseed oil continues to grow, driven by biodiesel demand, and reaches 11.8 mmt by 2019/20. Industrial uses account for all the consumption growth, as food demand declines because of the high prices. Despite the expansion in rapeseed production and crushing facilities, the demand for rapeseed oil outpaces the rapeseed crush volume. The EU imports increasing quantities of rapeseed oil throughout the baseline period. Net imports reach 0.9 mmt by 2019/20. On the other hand, and given the enhanced crush, the EU becomes a consistent net exporter of rapeseed meal.

Chinese rapeseed production increases in 2009/10 by 10% as a result of higher area and strong yields, and imports retreat from the very high levels observed in the previous season. However, net imports of rapeseed remain high over the outlook period. Domestic crush expands at an average annual rate of 2%. Because of the growing livestock industry, rapeseed meal usage for feed increases by 12% over the outlook period, on top of the sharp growth observed in the past two seasons.

Rapeseed Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Australia	1,150	1,099	1,120	1,135	1,145	1,153	1,161	1,172	1,185	1,200	1,209
Canada	5,970	6,277	6,419	6,492	6,478	6,588	6,694	6,796	6,953	7,047	7,125
Other CIS *	547	571	611	646	682	719	754	791	829	870	911
Ukraine	1,615	1,674	1,726	1,777	1,828	1,880	1,933	1,987	2,043	2,099	2,157
Total Net Exports †	9,282	9,621	9,876	10,050	10,134	10,340	10,543	10,747	11,010	11,216	11,402
Net Importers	(Thousand Metric Tons)										
China	1,150	914	942	874	801	782	777	784	864	897	935
European Union	1,550	1,977	2,123	2,307	2,373	2,495	2,591	2,722	2,846	2,969	3,071
India	15	15	15	15	15	15	15	15	15	15	15
Japan	2,200	2,176	2,192	2,197	2,199	2,201	2,208	2,215	2,222	2,224	2,226
United States	568	590	587	583	578	574	571	564	558	553	550
Rest of World	3,137	3,287	3,354	3,412	3,505	3,610	3,718	3,784	3,843	3,897	3,944
Residual	662	662	662	662	662	662	662	662	662	662	662
Total Net Imports	9,282	9,621	9,876	10,050	10,134	10,340	10,543	10,747	11,010	11,216	11,402
Prices	(U.S. Dollars per Metric Ton)										
Cash Vancouver	386	398	399	404	407	410	414	423	430	437	436
CIF Hamburg	397	409	410	415	419	421	426	435	443	450	450

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

† Total net exports are the sum of all positive net exports and negative net imports.

Rapeseed Meal Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Canada	2,095	2,222	2,313	2,404	2,538	2,627	2,708	2,784	2,848	2,936	3,020
European Union	50	77	135	190	267	286	252	208	201	211	217
India	800	772	842	862	848	850	906	990	1,067	1,129	1,170
Other CIS *	162	166	174	183	191	199	206	215	223	229	235
Ukraine	50	63	76	89	102	115	128	140	153	165	176
Total Net Exports †	3,159	3,300	3,540	3,728	3,947	4,076	4,199	4,337	4,492	4,670	4,818
Net Importers	(Thousand Metric Tons)										
China	110	63	115	209	329	346	410	463	541	624	681
Japan	80	76	90	101	123	145	150	147	140	134	128
United States	1,762	1,724	1,806	1,825	1,858	1,901	1,919	1,940	1,958	1,985	2,009
Rest of World	942	1,173	1,265	1,328	1,372	1,419	1,456	1,521	1,587	1,662	1,735
Residual	265	265	265	265	265	265	265	265	265	265	265
Total Net Imports	3,159	3,300	3,540	3,728	3,947	4,076	4,199	4,337	4,492	4,670	4,818
Price	(U.S. Dollars per Metric Ton)										
FOB Hamburg	191	187	184	189	193	194	197	199	200	200	201

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

† Total net exports are the sum of all positive net exports and negative net imports.

Rapeseed Oil Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Australia	86	85	84	85	86	88	90	92	94	97	99
Canada	1,620	1,690	1,756	1,819	1,920	1,989	2,048	2,104	2,151	2,216	2,275
Other CIS *	100	117	124	132	138	144	151	158	165	172	178
Ukraine	40	47	57	66	75	85	94	103	112	120	129
Total Net Exports †	1,846	1,938	2,021	2,102	2,220	2,306	2,383	2,457	2,522	2,604	2,680
Net Importers											
China	240	81	61	122	191	237	268	267	240	239	246
European Union	250	489	556	552	587	614	655	733	819	891	929
India	22	22	22	22	22	22	22	22	22	22	22
Japan	40	42	44	46	48	50	52	54	56	58	60
United States	861	850	875	887	904	922	937	935	937	940	955
Rest of World	133	155	163	172	168	160	149	146	149	154	169
Residual	300	300	300	300	300	300	300	300	300	300	300
Total Net Imports	1,846	1,938	2,021	2,102	2,220	2,306	2,383	2,457	2,522	2,604	2,680
Price	(U.S. Dollars per Metric Ton)										
FOB Hamburg	952	985	1,016	1,032	1,036	1,045	1,066	1,104	1,136	1,165	1,172

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

† Total net exports are the sum of all positive net exports and negative net imports.

World Rapeseed Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Rapeseed											
Area Harvested	30,906	31,684	32,177	32,392	32,609	32,798	32,934	33,079	33,269	33,443	33,608
	(Thousand Hectares)										
Production	59,372	59,820	61,226	62,111	63,132	64,141	65,013	65,903	66,890	67,849	68,779
Beginning Stocks	7,050	7,077	7,093	7,156	7,175	7,175	7,177	7,189	7,199	7,209	7,219
Domestic Supply	66,422	66,897	68,319	69,267	70,307	71,315	72,191	73,092	74,089	75,058	75,998
Crush	55,664	56,332	57,575	58,320	59,215	60,153	61,035	61,992	63,013	63,976	64,840
Other Use	3,019	2,810	2,926	3,109	3,255	3,323	3,305	3,238	3,205	3,201	3,250
Residual	662	662	662	662	662	662	662	662	662	662	662
Ending Stocks	7,077	7,093	7,156	7,175	7,175	7,177	7,189	7,199	7,209	7,219	7,247
Domestic Use	66,422	66,897	68,319	69,267	70,307	71,315	72,191	73,092	74,089	75,058	75,998
Trade *	9,282	9,621	9,876	10,050	10,134	10,340	10,543	10,747	11,010	11,216	11,402
Rapeseed Meal											
Production	32,946	33,336	34,068	34,497	35,011	35,554	36,067	36,626	37,226	37,789	38,295
Consumption	32,699	33,062	33,794	34,232	34,747	35,286	35,800	36,358	36,959	37,520	38,026
Ending Stocks	400	409	418	418	417	419	421	424	427	430	434
Trade *	3,159	3,300	3,540	3,728	3,947	4,076	4,199	4,337	4,492	4,670	4,818
Rapeseed Oil											
Production	21,880	22,147	22,640	22,947	23,317	23,700	24,055	24,439	24,844	25,231	25,578
Consumption	21,400	21,845	22,337	22,643	23,015	23,396	23,753	24,141	24,546	24,933	25,275
Ending Stocks	1,139	1,141	1,145	1,149	1,151	1,154	1,156	1,154	1,152	1,151	1,153
Trade *	1,846	1,938	2,021	2,102	2,220	2,306	2,383	2,457	2,522	2,604	2,680
	(Kilograms)										
Per Capita Consumption	3.13	3.16	3.20	3.21	3.23	3.25	3.27	3.29	3.31	3.33	3.34

* Excludes intraregional trade.

U.S. Canola Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Canola											
					(Thousand Hectares)						
Area Harvested	329	380	381	381	383	384	387	393	402	409	415
					(Metric Tons per Hectare)						
Yield	2.03	1.72	1.74	1.76	1.78	1.80	1.82	1.84	1.86	1.88	1.90
					(Thousand Metric Tons)						
Production	669	652	662	668	680	690	702	722	746	768	787
Beginning Stocks	201	188	187	189	190	191	191	192	192	191	191
Domestic Supply	870	840	849	858	870	881	894	914	937	959	978
Crush	1,220	1,211	1,214	1,219	1,225	1,231	1,239	1,253	1,270	1,287	1,302
Other Use	31	31	32	32	33	33	33	34	34	34	34
Ending Stocks	188	187	189	190	191	191	192	192	191	191	192
Domestic Use	1,439	1,430	1,435	1,441	1,448	1,455	1,465	1,478	1,495	1,512	1,528
Net Trade	-568	-590	-587	-583	-578	-574	-571	-564	-558	-553	-550
Canola Meal											
Production	739	734	735	738	742	745	750	759	769	779	788
Beginning Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Supply	744	739	741	744	747	751	756	764	774	785	794
Consumption	2,501	2,457	2,541	2,564	2,600	2,647	2,669	2,699	2,727	2,764	2,797
Ending Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Use	2,506	2,463	2,547	2,569	2,605	2,652	2,675	2,704	2,733	2,770	2,802
Net Trade	-1,762	-1,724	-1,806	-1,825	-1,858	-1,901	-1,919	-1,940	-1,958	-1,985	-2,009
Canola Oil											
Production	482	478	479	481	484	486	489	495	501	508	514
Beginning Stocks	75	83	86	88	89	92	94	95	94	93	91
Domestic Supply	557	561	565	569	573	578	583	590	596	601	605
Consumption	1,334	1,325	1,353	1,367	1,385	1,406	1,424	1,431	1,440	1,450	1,469
Ending Stocks	83	86	88	89	92	94	95	94	93	91	91
Domestic Use	1,417	1,411	1,441	1,456	1,476	1,500	1,519	1,525	1,533	1,541	1,560
Net Trade	-861	-850	-875	-887	-904	-922	-937	-935	-937	-940	-955

Note: Rapeseed varieties low in erucic acid and glucosinolates are produced under the name canola in Canada and the U.S. They are equivalent to 00 rapeseed varieties produced elsewhere.

Australian Rapeseed Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Rapeseed											
	(Thousand Hectares)										
Area Harvested	1,265	1,260	1,271	1,273	1,271	1,270	1,267	1,268	1,270	1,273	1,273
	(Metric Tons per Hectare)										
Yield	1.40	1.41	1.42	1.44	1.45	1.46	1.47	1.49	1.50	1.51	1.52
	(Thousand Metric Tons)										
Production	1,770	1,779	1,811	1,828	1,842	1,856	1,868	1,885	1,904	1,924	1,939
Beginning Stocks	429	374	371	375	375	376	378	378	378	378	379
Domestic Supply	2,199	2,153	2,182	2,203	2,217	2,232	2,245	2,263	2,282	2,302	2,318
Crush	650	658	662	667	671	676	681	687	693	699	704
Other Use	25	25	25	25	25	25	25	25	25	25	25
Ending Stocks	374	371	375	375	376	378	378	378	378	379	380
Domestic Use	1,049	1,054	1,061	1,067	1,073	1,079	1,085	1,091	1,097	1,103	1,109
Net Trade	1,150	1,099	1,120	1,135	1,145	1,153	1,161	1,172	1,185	1,200	1,209
Rapeseed Meal											
Production	374	379	381	384	386	389	392	395	399	402	405
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	374	379	381	384	386	389	392	395	399	402	405
Consumption	372	379	381	384	386	389	392	395	399	402	405
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	372	379	381	384	386	389	392	395	399	402	405
Net Trade	2	0	0	0	0	0	0	0	0	0	0
Rapeseed Oil											
Production	260	263	265	267	269	270	273	275	277	279	281
Beginning Stocks	15	10	10	10	10	10	10	10	10	10	10
Domestic Supply	275	273	275	277	278	280	283	285	287	289	291
Consumption	179	179	180	182	182	182	183	183	183	183	183
Ending Stocks	10	10	10	10	10	10	10	10	10	10	10
Domestic Use	189	188	190	192	192	193	193	193	193	193	193
Net Trade	86	85	84	85	86	88	90	92	94	97	99

Canadian Canola Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Canola											
Area Harvested	6,162	6,256	6,373	6,421	6,474	6,545	6,615	6,675	6,747	6,807	6,859
Yield	1.93	1.85	1.87	1.89	1.91	1.93	1.95	1.97	1.99	2.01	2.03
Production	11,920	11,561	11,905	12,122	12,352	12,620	12,886	13,139	13,414	13,670	13,913
Beginning Stocks	1,661	2,281	2,282	2,304	2,310	2,310	2,299	2,297	2,302	2,304	2,305
Domestic Supply	13,581	13,842	14,187	14,426	14,662	14,930	15,185	15,436	15,716	15,974	16,218
Crush	4,700	4,821	4,988	5,143	5,388	5,555	5,701	5,839	5,955	6,112	6,261
Other Use	450	462	476	482	486	488	493	499	504	509	516
Ending Stocks	2,281	2,282	2,304	2,310	2,310	2,299	2,297	2,302	2,304	2,305	2,316
Domestic Use	7,431	7,565	7,768	7,934	8,184	8,343	8,491	8,640	8,763	8,927	9,093
Net Trade	5,970	6,277	6,419	6,492	6,478	6,588	6,694	6,796	6,953	7,047	7,125
Canola Meal											
Production	2,700	2,770	2,865	2,954	3,095	3,191	3,275	3,354	3,421	3,511	3,597
Beginning Stocks	21	26	26	26	26	26	26	26	26	26	26
Domestic Supply	2,721	2,796	2,891	2,981	3,122	3,218	3,301	3,381	3,447	3,538	3,623
Consumption	600	547	552	550	557	565	567	570	573	575	577
Ending Stocks	26	26	26	26	26	26	26	26	26	26	26
Domestic Use	626	573	579	577	583	591	594	596	599	602	603
Net Trade	2,095	2,222	2,313	2,404	2,538	2,627	2,708	2,784	2,848	2,936	3,020
Canola Oil											
Production	2,000	2,052	2,122	2,188	2,293	2,364	2,426	2,485	2,534	2,601	2,664
Beginning Stocks	58	78	78	78	78	78	78	78	78	78	78
Domestic Supply	2,058	2,130	2,200	2,266	2,371	2,442	2,504	2,563	2,612	2,679	2,742
Consumption	360	362	366	369	373	375	378	381	383	385	389
Ending Stocks	78	78	78	78	78	78	78	78	78	78	78
Domestic Use	438	440	444	448	451	453	456	458	461	463	467
Net Trade	1,620	1,690	1,756	1,819	1,920	1,989	2,048	2,104	2,151	2,216	2,275

Note: Rapeseed varieties low in erucic acid and glucosinolates are produced under the name canola in Canada and the U.S. They are equivalent to 00 rapeseed varieties produced elsewhere.

Chinese Rapeseed Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Rapeseed	(Thousand Hectares)										
Area Harvested	7,000	7,157	7,191	7,152	7,109	7,071	7,032	7,002	6,980	6,949	6,923
	(Metric Tons per Hectare)										
Yield	1.89	1.91	1.92	1.94	1.96	1.98	2.00	2.02	2.04	2.06	2.08
	(Thousand Metric Tons)										
Production	13,200	13,634	13,838	13,902	13,957	14,020	14,080	14,154	14,246	14,317	14,399
Beginning Stocks	1,394	1,294	1,294	1,294	1,294	1,294	1,294	1,294	1,294	1,294	1,294
Domestic Supply	14,594	14,928	15,132	15,196	15,251	15,314	15,374	15,448	15,540	15,611	15,693
Crush	13,900	13,974	14,194	14,184	14,161	14,201	14,253	14,333	14,504	14,606	14,723
Other Use	550	574	586	592	597	601	604	605	607	608	610
Ending Stocks	1,294	1,294	1,294	1,294	1,294	1,294	1,294	1,294	1,294	1,294	1,294
Domestic Use	15,744	15,842	16,075	16,070	16,052	16,096	16,151	16,232	16,405	16,508	16,628
Net Trade	-1,150	-914	-942	-874	-801	-782	-777	-784	-864	-897	-935
Rapeseed Meal											
Production	8,739	8,785	8,924	8,918	8,903	8,928	8,961	9,011	9,119	9,183	9,257
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	8,739	8,785	8,924	8,918	8,903	8,928	8,961	9,011	9,119	9,183	9,257
Feed Use	8,484	8,472	8,652	8,734	8,834	8,871	8,964	9,064	9,245	9,388	9,516
Industrial Use	365	376	387	393	398	404	407	411	415	419	422
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	8,849	8,849	9,039	9,126	9,232	9,274	9,371	9,475	9,660	9,807	9,938
Net Trade	-110	-63	-115	-209	-329	-346	-410	-463	-541	-624	-681
Rapeseed Oil											
Production	4,935	4,961	5,040	5,036	5,028	5,042	5,060	5,089	5,149	5,186	5,227
Beginning Stocks	291	364	364	364	364	364	364	364	364	364	364
Domestic Supply	5,226	5,325	5,404	5,400	5,392	5,406	5,424	5,453	5,513	5,550	5,591
Consumption	5,102	5,042	5,101	5,158	5,219	5,279	5,329	5,356	5,389	5,424	5,473
Ending Stocks	364	364	364	364	364	364	364	364	364	364	364
Domestic Use	5,466	5,406	5,465	5,522	5,583	5,643	5,693	5,720	5,753	5,788	5,837
Net Trade	-240	-81	-61	-122	-191	-237	-268	-267	-240	-239	-246

European Union Rapeseed Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Rapeseed											
	(Thousand Hectares)										
Total Area Harvested	6,600	6,816	6,901	6,931	7,021	7,106	7,153	7,198	7,254	7,310	7,357
	(Metric Tons per Hectare)										
Yield	3.23	3.11	3.13	3.15	3.17	3.19	3.21	3.23	3.25	3.27	3.29
	(Thousand Metric Tons)										
Production	21,325	21,214	21,615	21,848	22,272	22,685	22,976	23,266	23,590	23,920	24,222
Beginning Stocks	1,974	1,949	1,963	1,989	1,996	1,988	1,994	2,002	2,005	2,010	2,016
Domestic Supply	23,299	23,163	23,578	23,836	24,267	24,673	24,970	25,267	25,595	25,930	26,238
Crush	21,850	22,111	22,628	23,059	23,564	24,079	24,460	24,880	25,321	25,769	26,161
Other Use	1,050	1,066	1,084	1,089	1,088	1,095	1,101	1,105	1,110	1,115	1,122
Ending Stocks	1,949	1,963	1,989	1,996	1,988	1,994	2,002	2,005	2,010	2,016	2,025
Domestic Use	24,849	25,140	25,701	26,144	26,640	27,168	27,562	27,990	28,441	28,899	29,308
Net Trade	-1,550	-1,977	-2,123	-2,307	-2,373	-2,495	-2,591	-2,722	-2,846	-2,969	-3,071
Rapeseed Meal											
Production	12,579	12,729	13,027	13,275	13,566	13,862	14,081	14,323	14,577	14,835	15,061
Beginning Stocks	95	95	99	103	103	102	102	103	104	105	106
Domestic Supply	12,674	12,824	13,126	13,377	13,669	13,964	14,184	14,426	14,681	14,940	15,167
Consumption	12,529	12,648	12,888	13,085	13,300	13,575	13,829	14,114	14,375	14,622	14,843
Ending Stocks	95	99	103	103	102	102	103	104	105	106	107
Domestic Use	12,624	12,747	12,991	13,188	13,401	13,678	13,932	14,218	14,480	14,728	14,950
Net Trade	50	77	135	190	267	286	252	208	201	211	217
Rapeseed Oil											
Production	9,068	9,176	9,391	9,570	9,779	9,993	10,151	10,325	10,509	10,694	10,857
Beginning Stocks	376	489	491	493	494	493	494	495	495	495	495
Domestic Supply	9,444	9,665	9,882	10,063	10,273	10,486	10,645	10,820	11,003	11,189	11,352
Food Use	2,843	2,730	2,738	2,745	2,761	2,773	2,780	2,773	2,769	2,765	2,769
Biodiesel and Industrial Use	6,357	6,929	7,202	7,371	7,601	7,828	8,020	8,280	8,553	8,816	9,011
Other Use	5	5	5	5	5	5	5	5	5	5	5
Ending Stocks	489	491	493	494	493	494	495	495	495	495	496
Domestic Use	9,694	10,154	10,438	10,615	10,860	11,101	11,300	11,553	11,822	12,080	12,281
Net Trade	-250	-489	-556	-552	-587	-614	-655	-733	-819	-891	-929

Japanese Rapeseed Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Rapeseed	(Thousand Hectares)										
Area Harvested	1	1	1	1	1	1	1	1	1	1	1
	(Metric Tons per Hectare)										
Yield	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10
	(Thousand Metric Tons)										
Production	1	1	1	1	1	1	1	1	1	1	1
Beginning Stocks	59	75	73	74	75	74	74	75	74	74	74
Domestic Supply	60	76	74	75	76	75	76	76	76	76	76
Crush	2,180	2,173	2,188	2,193	2,196	2,197	2,204	2,212	2,218	2,220	2,222
Other Use	5	5	5	5	5	5	5	5	5	5	5
Ending Stocks	75	73	74	75	74	74	75	74	74	74	75
Domestic Use	2,260	2,252	2,267	2,272	2,275	2,276	2,284	2,291	2,298	2,300	2,302
Net Trade	-2,200	-2,176	-2,192	-2,197	-2,199	-2,201	-2,208	-2,215	-2,222	-2,224	-2,226
Rapeseed Meal											
Production	1,238	1,234	1,242	1,245	1,247	1,248	1,252	1,256	1,260	1,261	1,262
Beginning Stocks	16	14	14	15	15	15	15	15	15	15	16
Domestic Supply	1,254	1,248	1,257	1,261	1,262	1,262	1,266	1,271	1,275	1,276	1,278
Consumption	1,320	1,310	1,331	1,346	1,371	1,393	1,401	1,403	1,400	1,395	1,389
Ending Stocks	14	14	15	15	15	15	15	15	15	16	16
Domestic Use	1,334	1,324	1,346	1,362	1,386	1,407	1,416	1,418	1,415	1,410	1,405
Net Trade	-80	-76	-90	-101	-123	-145	-150	-147	-140	-134	-128
Rapeseed Oil											
Production	876	873	879	881	882	883	886	889	891	892	893
Beginning Stocks	16	13	11	11	11	11	11	11	10	10	9
Domestic Supply	892	886	890	892	894	894	897	900	902	902	902
Consumption	919	918	923	927	930	933	938	943	948	950	952
Ending Stocks	13	11	11	11	11	11	11	10	10	9	10
Domestic Use	932	929	934	938	941	944	949	954	958	960	962
Net Trade	-40	-42	-44	-46	-48	-50	-52	-54	-56	-58	-60

Other CIS Rapeseed Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Rapeseed											
Area Harvested	1,115	1,158	1,189	1,214	1,238	1,261	1,284	1,307	1,330	1,354	1,377
	(Thousand Hectares)										
Yield	1.32	1.34	1.36	1.38	1.40	1.42	1.44	1.45	1.47	1.49	1.51
	(Metric Tons per Hectare)										
Production	1,475	1,553	1,617	1,674	1,730	1,786	1,842	1,899	1,958	2,019	2,079
Beginning Stocks	267	235	236	238	239	240	241	242	242	243	243
Domestic Supply	1,742	1,788	1,853	1,911	1,968	2,026	2,083	2,141	2,201	2,261	2,322
Crush	920	939	961	981	1,000	1,018	1,038	1,058	1,077	1,095	1,113
Other Use	40	42	44	45	47	48	49	50	52	53	54
Ending Stocks	235	236	238	239	240	241	242	242	243	243	244
Domestic Use	1,195	1,217	1,242	1,265	1,286	1,307	1,329	1,350	1,371	1,392	1,411
Net Trade	547	571	611	646	682	719	754	791	829	870	911
Rapeseed Meal											
Production	546	557	570	582	593	604	616	628	639	650	661
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	546	557	570	582	593	604	616	628	639	650	661
Consumption	384	391	397	399	402	406	410	413	417	421	426
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	384	391	397	399	402	406	410	413	417	421	426
Net Trade	162	166	174	183	191	199	206	215	223	229	235
Rapeseed Oil											
Production	358	365	374	382	389	396	404	412	419	426	433
Beginning Stocks	21	11	11	11	11	11	11	11	11	11	11
Domestic Supply	379	376	385	393	400	407	415	423	430	437	444
Consumption	268	249	250	250	251	252	253	253	254	254	255
Ending Stocks	11	11	11	11	11	11	11	11	11	11	11
Domestic Use	279	260	261	261	262	263	264	264	265	265	266
Net Trade	100	117	124	132	138	144	151	158	165	172	178

Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

Ukrainian Rapeseed Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Rapeseed											
	(Thousand Hectares)										
Area Harvested	1,300	1,310	1,317	1,323	1,329	1,335	1,341	1,346	1,352	1,358	1,365
	(Metric Tons per Hectare)										
Yield	1.46	1.51	1.56	1.61	1.66	1.71	1.76	1.81	1.86	1.91	1.96
	(Thousand Metric Tons)										
Production	1,900	1,979	2,057	2,133	2,209	2,285	2,361	2,439	2,517	2,597	2,677
Beginning Stocks	2	8	8	8	8	8	8	8	8	8	8
Domestic Supply	1,902	1,987	2,065	2,141	2,217	2,293	2,369	2,447	2,525	2,605	2,685
Crush	269	295	320	345	369	393	417	440	463	485	507
Other Use	10	10	11	11	11	11	12	12	12	12	13
Ending Stocks	8	8	8	8	8	8	8	8	8	8	8
Domestic Use	287	313	339	364	388	412	436	460	483	505	527
Net Trade	1,615	1,674	1,726	1,777	1,828	1,880	1,933	1,987	2,043	2,099	2,157
Rapeseed Meal											
Production	152	166	181	195	209	222	235	248	261	274	286
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	152	166	181	195	209	222	235	248	261	274	286
Consumption	102	104	105	106	107	107	108	108	109	109	110
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	102	104	105	106	107	107	108	108	109	109	110
Net Trade	50	63	76	89	102	115	128	140	153	165	176
Rapeseed Oil											
Production	104	114	124	133	143	152	161	170	179	187	196
Beginning Stocks	7	4	4	4	4	4	4	4	4	4	4
Domestic Supply	111	118	128	137	147	156	165	174	182	191	200
Consumption	67	67	67	67	67	67	67	67	67	67	67
Ending Stocks	4	4	4	4	4	4	4	4	4	4	4
Domestic Use	71	71	71	71	71	71	71	71	71	71	71
Net Trade	40	47	57	66	75	85	94	103	112	120	129

Rest-of-World Rapeseed Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Rapeseed											
	(Thousand Hectares)										
Area Harvested	696	705	718	725	734	742	749	758	767	777	785
	(Metric Tons per Hectare)										
Yield	0.91	0.92	0.94	0.95	0.97	0.98	0.99	1.01	1.02	1.04	1.05
	(Thousand Metric Tons)										
Production	632	651	673	690	708	726	744	763	784	804	824
Beginning Stocks	87	43	43	44	44	45	45	46	46	46	46
Domestic Supply	719	694	717	734	753	771	789	809	829	850	870
Crush	3,775	3,840	3,929	4,002	4,114	4,237	4,363	4,446	4,526	4,600	4,665
Other Use	97	98	98	99	99	99	100	100	101	102	102
Ending Stocks	43	43	44	44	45	45	46	46	46	46	47
Domestic Use	3,915	3,981	4,071	4,145	4,257	4,381	4,508	4,592	4,673	4,748	4,814
Net Trade	-3,137	-3,287	-3,354	-3,412	-3,505	-3,610	-3,718	-3,784	-3,843	-3,897	-3,944
Rapeseed Meal											
Production	2,170	2,208	2,258	2,301	2,365	2,436	2,508	2,556	2,602	2,644	2,682
Beginning Stocks	58	48	52	56	56	56	58	59	61	63	65
Domestic Supply	2,228	2,255	2,311	2,357	2,421	2,492	2,566	2,615	2,663	2,707	2,747
Consumption	3,122	3,376	3,520	3,629	3,736	3,853	3,963	4,075	4,187	4,304	4,415
Ending Stocks	48	52	56	56	56	58	59	61	63	65	67
Domestic Use	3,170	3,428	3,576	3,685	3,792	3,911	4,022	4,136	4,250	4,369	4,482
Net Trade	-942	-1,173	-1,265	-1,328	-1,372	-1,419	-1,456	-1,521	-1,587	-1,662	-1,735
Rapeseed Oil											
Production	1,456	1,481	1,516	1,544	1,587	1,635	1,683	1,715	1,746	1,774	1,800
Beginning Stocks	56	32	32	32	32	33	34	34	34	34	34
Domestic Supply	1,512	1,514	1,548	1,576	1,619	1,668	1,717	1,749	1,780	1,808	1,834
Consumption	1,614	1,637	1,679	1,716	1,754	1,794	1,832	1,862	1,894	1,928	1,968
Ending Stocks	32	32	32	32	33	34	34	34	34	34	35
Domestic Use	1,646	1,669	1,710	1,748	1,787	1,828	1,866	1,896	1,928	1,962	2,003
Net Trade	-133	-155	-163	-172	-168	-160	-149	-146	-149	-154	-169

World Sunflower Seed and Sunflower Seed Products

The sunflower seed price decreased by 50% in 2008/09, plunging below the prices of both soybeans and rapeseed for the first time since 1996/97. It increases in 2009/10 as supplies are tighter relative to that of other oilseeds. Thereafter, the world price returns to its historical place above the prices of rapeseed and soybean. As in the case of the seed, sunflower meal prices recover slightly in 2009/10 with the demand recovery from the livestock sector and lower supplies. The price weakens in the outer years, pressured by strong crushing for oil purposes. The sunflower oil price declined 49% in 2008/09 because of the economic slowdown and strong supplies. The price recovers in 2009/10 and stays close to that of other vegetable oils for the remainder of the decade.

The world sunflower crop in 2009/10 declined by 10% from the record-breaking production of 2008/09. Despite this reduction, it is the second-largest crop on record. This reduction is due to declines by almost every major producer, in particular Argentina, Ukraine, and Other CIS countries. Thereafter production grows about 2% annually throughout the outlook period, with strong expansion in these same three countries. Total net trade expands 52%, to 0.9 mmt, over the next decade. Ukraine and Other CIS account for almost 67% of world net exports by 2019/20. Argentina remains a small net exporter as most of the production is crushed domestically.

World sunflower meal production increases steadily, from the current level of 12.1 mmt to 14.1 mmt by 2019/20. Consumption develops at an annual rate of 1.3% over the outlook period. World net trade in sunflower meal grows by 8%, to 3.2 mmt. Similar development can be seen in the sunflower oil market. World production declined by 4% in 2009/10, but it expands by 17% by the end of the outlook. Net trade expands to 4.2 mmt. The average world per capita consumption increases at a modest 0.3% annually over the next 10 years constrained by high prices. In both sunflower meal and oil, Argentina and Ukraine are the dominant exporters, while the EU remains the most significant buyer in the international market.

Argentine sunflower production decreased 20% in 2009/10 as area shifted to other crops, mostly soybeans. Area recovers throughout the outlook, but Argentina's market contribution remains at around 9% of global production. More than 95% of production is used domestically by an export-oriented crushing industry. The differential export tax encourages producers to export more derived products other than sunflower seeds. Argentina exports more than 50% of its sunflower meal production and about 70% of its sunflower oil production throughout the baseline. Argentina holds a 25% share of world sunflower oil net exports, and its place as the second-largest net exporter is challenged by the Other CIS countries.

EU sunflower area increases only slightly in 2009/10, but this combined with lower yields leads to a 2% decline in output. The consistent production expansion, which reaches 7.4mmt by 2019/20, is the result of yield improvements, as area is expected to decline slightly. Domestic consumption growth of sunflower oil for food and industrial uses outpaces the production expansion, generating a moderate increase in demand for imports. Sunflower oil net imports grow 10% over the outlook period. The EU remains the leading sunflower meal and oil net importer, accounting for 44% and 23% of these world markets, respectively, by 2019/20.

Sunflower Seed Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	-115	53	53	88	88	80	76	60	48	32	17
China	95	95	102	117	136	149	158	164	169	171	172
Other CIS *	203	263	321	343	351	346	348	350	353	354	356
Ukraine	395	362	254	233	233	223	217	216	213	227	246
United States	109	69	63	79	80	83	93	96	98	96	94
Total Net Exports †	816	857	807	873	901	895	906	899	895	895	901
Net Importers											
European Union	50	185	133	146	137	101	95	72	57	42	40
Rest of World	651	672	674	727	764	794	811	827	838	852	861
Residual	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14
Total Net Imports	816	857	807	873	901	895	906	899	895	895	901
Price	(U.S. Dollars per Metric Ton)										
CIF Lower Rhine	401	422	420	429	428	430	439	443	448	451	451

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

† Total net exports are the sum of all positive net exports and negative net imports.

Sunflower Meal Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	686	569	609	629	642	661	678	700	722	744	768
Other CIS *	472	401	390	413	418	417	417	425	430	426	416
Ukraine	1,800	1,906	1,901	1,902	1,909	1,920	1,933	1,949	1,966	1,982	1,999
United States	7	7	7	7	7	7	7	7	7	7	7
Total Net Exports †	2,967	2,884	2,909	2,953	2,978	3,007	3,037	3,083	3,126	3,161	3,193
Net Importers											
China	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
European Union	1,520	1,400	1,437	1,465	1,428	1,416	1,402	1,409	1,410	1,406	1,404
Rest of World	1,340	1,377	1,364	1,380	1,442	1,484	1,528	1,566	1,610	1,648	1,682
Residual	107	107	107	107	107	107	107	107	107	107	107
Total Net Imports	2,967	2,884	2,909	2,953	2,978	3,007	3,037	3,083	3,126	3,161	3,193
Price	(U.S. Dollars per Metric Ton)										
CIF Rotterdam	181	188	184	190	188	188	188	187	185	184	183

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

† Total net exports are the sum of all positive net exports and negative net imports.

Sunflower Oil Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	880	727	783	807	832	862	889	921	954	987	1,021
Other CIS *	452	422	462	505	546	588	632	675	719	763	807
Ukraine	2,000	2,100	2,109	2,116	2,124	2,138	2,157	2,175	2,196	2,216	2,236
United States	71	63	54	51	48	47	46	47	48	51	53
Total Net Exports †	3,403	3,313	3,407	3,479	3,550	3,635	3,724	3,818	3,918	4,017	4,117
Net Importers											
China	60	59	72	84	97	108	117	128	138	150	161
European Union	870	836	867	867	856	870	873	897	916	936	950
Rest of World	2,097	2,043	2,093	2,152	2,221	2,281	2,357	2,417	2,487	2,556	2,630
Residual	376	376	376	376	376	376	376	376	376	376	376
Total Net Imports	3,403	3,313	3,407	3,479	3,550	3,635	3,724	3,818	3,918	4,017	4,117
Price	(U.S. Dollars per Metric Ton)										
FOB NW Europe	951	996	1,025	1,046	1,057	1,076	1,105	1,131	1,156	1,178	1,193

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

† Total net exports are the sum of all positive net exports and negative net imports.

World Sunflower Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sunflower Seed											
	(Thousand Hectares)										
Area Harvested	22,251	22,989	23,341	23,434	23,567	23,691	23,827	23,983	24,129	24,282	24,431
	(Thousand Metric Tons)										
Production	30,349	31,832	32,493	32,890	33,355	33,805	34,265	34,753	35,231	35,723	36,211
Beginning Stocks	2,956	2,062	2,044	2,076	2,083	2,096	2,107	2,112	2,123	2,129	2,139
Domestic Supply	33,305	33,894	34,537	34,966	35,438	35,901	36,372	36,865	37,354	37,852	38,350
Crush	27,553	28,112	28,656	29,055	29,480	29,901	30,341	30,791	31,246	31,704	32,161
Other Use	3,704	3,752	3,819	3,842	3,876	3,907	3,933	3,965	3,993	4,024	4,054
Residual	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14
Ending Stocks	2,062	2,044	2,076	2,083	2,096	2,107	2,112	2,123	2,129	2,139	2,149
Domestic Use	33,305	33,894	34,537	34,966	35,438	35,901	36,372	36,865	37,354	37,852	38,350
Trade *	816	857	807	873	901	895	906	899	895	895	901
Sunflower Meal											
Production	12,143	12,362	12,590	12,757	12,938	13,113	13,298	13,484	13,674	13,864	14,054
Consumption	12,301	12,254	12,477	12,649	12,830	13,004	13,188	13,375	13,565	13,755	13,946
Ending Stocks	271	272	277	278	279	281	283	285	287	289	290
Trade *	2,967	2,884	2,909	2,953	2,978	3,007	3,037	3,083	3,126	3,161	3,193
Sunflower Oil											
Production	11,239	11,452	11,674	11,837	12,011	12,183	12,363	12,548	12,734	12,922	13,110
Consumption	11,189	11,076	11,293	11,459	11,635	11,805	11,987	12,171	12,358	12,545	12,732
Ending Stocks	781	780	785	787	787	789	789	790	790	791	793
Trade *	3,403	3,313	3,407	3,479	3,550	3,635	3,724	3,818	3,918	4,017	4,117
	(Kilograms)										
Per Capita Consumption	1.64	1.60	1.62	1.62	1.63	1.64	1.65	1.66	1.67	1.68	1.68

* Excludes intraregional trade.

U.S. Sunflower Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sunflower Seed											
Area Harvested	791	794	801	798	796	793	796	798	800	801	803
					(Thousand Hectares)						
Yield	1.74	1.65	1.66	1.68	1.70	1.71	1.73	1.75	1.77	1.78	1.80
					(Metric Tons per Hectare)						
Production	1,377	1,309	1,333	1,341	1,351	1,359	1,377	1,395	1,412	1,429	1,445
Beginning Stocks	224	191	179	186	187	190	192	193	195	196	198
Domestic Supply	1,601	1,501	1,512	1,527	1,538	1,549	1,568	1,588	1,607	1,625	1,643
Crush	689	661	663	660	661	666	671	681	694	708	721
Food	612	591	600	602	606	609	612	617	620	623	627
Ending Stocks	191	179	186	187	190	192	193	195	196	198	200
Domestic Use	1,493	1,431	1,449	1,448	1,458	1,466	1,476	1,493	1,509	1,528	1,549
Net Trade	109	69	63	79	80	83	93	96	98	96	94
Sunflower Meal											
Production	335	322	323	321	322	324	326	332	338	344	351
Beginning Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Supply	340	326	327	326	327	329	331	336	342	349	356
Consumption	328	315	316	314	315	317	319	325	331	337	344
Ending Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Use	333	319	320	319	320	322	324	329	335	342	349
Net Trade	7	7	7	7	7	7	7	7	7	7	7
Sunflower Oil											
Production	296	284	284	283	284	286	288	292	298	304	309
Beginning Stocks	50	45	44	44	44	44	45	45	45	45	45
Domestic Supply	346	328	328	327	328	330	332	337	343	349	355
Consumption	229	221	230	232	235	239	242	245	249	252	256
Ending Stocks	45	44	44	44	44	45	45	45	45	45	46
Domestic Use	274	265	274	276	280	283	286	290	294	298	301
Net Trade	71	63	54	51	48	47	46	47	48	51	53

Argentine Sunflower Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sunflower Seed											
Area Harvested	1,400	1,729	1,816	1,862	1,893	1,919	1,945	1,972	2,000	2,028	2,056
					(Thousand Hectares)						
Yield	1.64	1.66	1.67	1.69	1.70	1.72	1.73	1.75	1.76	1.78	1.79
					(Metric Tons per Hectare)						
Production	2,300	2,866	3,037	3,142	3,221	3,295	3,368	3,444	3,523	3,602	3,682
Beginning Stocks	1,005	710	702	708	710	714	717	717	719	718	719
Domestic Supply	3,305	3,576	3,739	3,850	3,931	4,009	4,084	4,161	4,242	4,320	4,401
Crush	2,600	2,697	2,850	2,921	2,996	3,079	3,156	3,246	3,337	3,429	3,523
Other Use	110	124	129	131	133	134	136	137	138	140	141
Ending Stocks	710	702	708	710	714	717	717	719	718	719	719
Domestic Use	3,420	3,523	3,686	3,762	3,843	3,930	4,009	4,101	4,194	4,288	4,384
Net Trade	-115	53	53	88	88	80	76	60	48	32	17
Sunflower Meal											
Production	1,100	1,141	1,206	1,236	1,268	1,303	1,335	1,373	1,412	1,451	1,491
Beginning Stocks	196	40	39	41	41	41	42	42	43	43	44
Domestic Supply	1,296	1,181	1,245	1,277	1,308	1,344	1,377	1,415	1,455	1,494	1,534
Consumption	570	573	596	607	625	641	656	673	690	706	722
Ending Stocks	40	39	41	41	41	42	42	43	43	44	44
Domestic Use	610	612	636	648	666	683	699	716	733	750	766
Net Trade	686	569	609	629	642	661	678	700	722	744	768
Sunflower Oil											
Production	1,075	1,115	1,178	1,208	1,239	1,273	1,305	1,342	1,380	1,418	1,457
Beginning Stocks	267	75	74	74	74	75	75	75	75	74	74
Domestic Supply	1,342	1,190	1,252	1,282	1,313	1,348	1,380	1,417	1,454	1,492	1,531
Consumption	387	389	395	401	406	411	416	421	426	431	436
Ending Stocks	75	74	74	74	75	75	75	75	74	74	74
Domestic Use	462	463	470	475	481	486	491	496	500	505	510
Net Trade	880	727	783	807	832	862	889	921	954	987	1,021

Chinese Sunflower Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sunflower Seed											
Area Harvested	870	862	859	861	868	871	871	870	868	864	860
	(Thousand Hectares)										
Yield	1.72	1.78	1.79	1.80	1.81	1.82	1.83	1.84	1.85	1.86	1.87
	(Metric Tons per Hectare)										
Production	1,500	1,534	1,538	1,550	1,571	1,585	1,595	1,601	1,606	1,608	1,608
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,500	1,534	1,538	1,550	1,571	1,585	1,595	1,601	1,606	1,608	1,608
Crush	655	673	662	654	646	641	637	633	629	624	620
Food Use	655	673	681	687	696	702	706	710	715	719	724
Other Use	95	93	93	93	93	94	94	94	94	93	93
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,405	1,439	1,436	1,434	1,435	1,436	1,437	1,438	1,437	1,437	1,436
Net Trade	95	95	102	117	136	149	158	164	169	171	172
Sunflower Meal											
Production	359	369	363	358	354	351	349	347	345	342	340
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	359	369	363	358	354	351	349	347	345	342	340
Feed Use	317	325	317	310	304	299	295	290	286	281	276
Industrial Use	40	42	44	46	48	50	53	55	57	59	62
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	357	367	361	356	352	349	347	345	343	340	338
Net Trade	2	2	2	2	2	2	2	2	2	2	2
Sunflower Oil											
Production	234	240	236	234	231	229	228	226	225	223	221
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	234	240	236	234	231	229	228	226	225	223	221
Consumption	294	299	308	318	328	337	345	354	363	373	382
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	294	299	308	318	328	337	345	354	363	373	382
Net Trade	-60	-59	-72	-84	-97	-108	-117	-128	-138	-150	-161

European Union Sunflower Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sunflower Seed											
Total Area Harvested	3,915	3,801	3,845	3,828	3,840	3,851	3,849	3,847	3,843	3,839	3,830
	(Thousand Hectares)										
Yield	1.75	1.77	1.79	1.80	1.82	1.84	1.86	1.88	1.90	1.92	1.94
	(Metric Tons per Hectare)										
Production	6,840	6,714	6,865	6,909	7,005	7,098	7,168	7,240	7,306	7,371	7,429
Beginning Stocks	762	652	654	667	669	668	670	672	676	679	683
Domestic Supply	7,602	7,366	7,520	7,576	7,674	7,765	7,838	7,912	7,982	8,050	8,112
Crush	6,150	6,051	6,120	6,184	6,274	6,321	6,381	6,422	6,469	6,513	6,562
Other Use	850	845	865	868	870	876	880	886	891	897	903
Ending Stocks	652	654	667	669	668	670	672	676	679	683	687
Domestic Use	7,652	7,551	7,652	7,721	7,811	7,867	7,933	7,983	8,039	8,092	8,152
Net Trade	-50	-185	-133	-146	-137	-101	-95	-72	-57	-42	-40
Sunflower Meal											
Production	3,357	3,303	3,341	3,376	3,425	3,450	3,483	3,505	3,531	3,555	3,582
Beginning Stocks	305	200	201	204	204	204	204	205	206	207	208
Domestic Supply	3,662	3,503	3,542	3,580	3,628	3,654	3,688	3,711	3,737	3,762	3,790
Consumption	4,982	4,702	4,775	4,841	4,853	4,866	4,884	4,914	4,940	4,960	4,985
Ending Stocks	200	201	204	204	204	204	205	206	207	208	209
Domestic Use	5,182	4,903	4,979	5,045	5,057	5,070	5,090	5,120	5,147	5,169	5,194
Net Trade	-1,520	-1,400	-1,437	-1,465	-1,428	-1,416	-1,402	-1,409	-1,410	-1,406	-1,404
Sunflower Oil											
Production	2,443	2,404	2,431	2,457	2,492	2,511	2,535	2,551	2,570	2,587	2,607
Beginning Stocks	140	232	234	239	240	238	238	239	240	241	242
Domestic Supply	2,583	2,636	2,665	2,696	2,732	2,749	2,773	2,790	2,810	2,828	2,849
Food Use	2,899	2,888	2,929	2,950	2,968	2,986	3,002	3,025	3,045	3,066	3,085
Biodiesel and Industrial Use	270	350	364	373	383	394	406	422	439	456	471
Other Use	52	0	0	0	0	0	0	0	0	0	0
Ending Stocks	232	234	239	240	238	238	239	240	241	242	244
Domestic Use	3,453	3,471	3,532	3,563	3,589	3,619	3,647	3,687	3,726	3,764	3,799
Net Trade	-870	-836	-867	-867	-856	-870	-873	-897	-916	-936	-950

Other CIS Sunflower Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sunflower Seed											
Area Harvested	6,470	6,685	6,839	6,937	7,026	7,105	7,188	7,275	7,360	7,443	7,525
					(Thousand Hectares)						
Yield	1.12	1.16	1.17	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25
					(Metric Tons per Hectare)						
Production	7,250	7,762	8,006	8,188	8,359	8,521	8,689	8,864	9,037	9,210	9,383
Beginning Stocks	604	284	285	288	289	292	294	295	296	297	298
Domestic Supply	7,854	8,046	8,291	8,475	8,648	8,813	8,983	9,159	9,333	9,507	9,682
Crush	6,620	6,724	6,901	7,057	7,213	7,374	7,538	7,706	7,872	8,040	8,206
Other Use	747	774	782	787	793	798	802	807	811	815	820
Ending Stocks	284	285	288	289	292	294	295	296	297	298	300
Domestic Use	7,651	7,783	7,970	8,133	8,297	8,466	8,635	8,808	8,980	9,153	9,325
Net Trade	203	263	321	343	351	346	348	350	353	354	356
Sunflower Meal											
Production	2,477	2,516	2,582	2,641	2,699	2,759	2,820	2,883	2,945	3,008	3,070
Beginning Stocks	16	15	15	15	16	16	16	16	16	17	17
Domestic Supply	2,493	2,531	2,597	2,656	2,714	2,775	2,836	2,899	2,962	3,025	3,087
Consumption	2,006	2,115	2,191	2,228	2,281	2,342	2,404	2,459	2,516	2,582	2,654
Ending Stocks	15	15	15	16	16	16	16	16	17	17	17
Domestic Use	2,021	2,130	2,207	2,243	2,296	2,358	2,420	2,475	2,532	2,599	2,671
Net Trade	472	401	390	413	418	417	417	425	430	426	416
Sunflower Oil											
Production	2,738	2,758	2,831	2,895	2,959	3,025	3,092	3,161	3,229	3,298	3,366
Beginning Stocks	99	63	63	64	64	65	65	65	66	66	66
Domestic Supply	2,837	2,821	2,894	2,959	3,023	3,090	3,158	3,227	3,295	3,364	3,432
Consumption	2,322	2,336	2,369	2,390	2,413	2,437	2,460	2,486	2,510	2,535	2,559
Ending Stocks	63	63	64	64	65	65	65	66	66	66	66
Domestic Use	2,385	2,399	2,433	2,454	2,477	2,502	2,526	2,551	2,576	2,601	2,625
Net Trade	452	422	462	505	546	588	632	675	719	763	807

Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

Ukrainian Sunflower Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sunflower Seed											
Area Harvested	4,100	4,219	4,188	4,153	4,138	4,122	4,111	4,105	4,101	4,109	4,120
Yield	1.49	1.52	1.52	1.54	1.55	1.57	1.59	1.60	1.62	1.64	1.65
Production	6,100	6,430	6,368	6,383	6,428	6,470	6,520	6,579	6,639	6,719	6,805
Beginning Stocks	29	30	31	32	33	34	35	35	36	36	36
Domestic Supply	6,129	6,460	6,398	6,415	6,461	6,504	6,555	6,614	6,675	6,755	6,841
Crush	5,637	5,999	6,043	6,080	6,124	6,176	6,232	6,292	6,355	6,420	6,486
Other Use	67	68	69	69	70	70	71	71	72	72	72
Ending Stocks	30	31	32	33	34	35	35	36	36	36	37
Domestic Use	5,734	6,098	6,144	6,182	6,228	6,281	6,338	6,399	6,462	6,528	6,595
Net Trade	395	362	254	233	233	223	217	216	213	227	246
Sunflower Meal											
Production	2,351	2,502	2,520	2,536	2,554	2,576	2,599	2,624	2,650	2,678	2,705
Beginning Stocks	4	5	5	6	6	7	7	8	8	8	8
Domestic Supply	2,355	2,507	2,526	2,542	2,561	2,583	2,606	2,632	2,658	2,685	2,713
Consumption	550	596	619	633	645	656	665	674	684	695	706
Ending Stocks	5	5	6	6	7	7	8	8	8	8	8
Domestic Use	555	601	625	640	652	663	673	682	692	703	714
Net Trade	1,800	1,906	1,901	1,902	1,909	1,920	1,933	1,949	1,966	1,982	1,999
Sunflower Oil											
Production	2,386	2,539	2,558	2,573	2,592	2,614	2,638	2,663	2,690	2,717	2,745
Beginning Stocks	211	162	162	161	161	161	162	161	160	159	158
Domestic Supply	2,597	2,701	2,720	2,735	2,753	2,775	2,799	2,824	2,850	2,876	2,903
Consumption	435	440	449	458	468	476	481	488	495	502	510
Ending Stocks	162	162	161	161	161	162	161	160	159	158	157
Domestic Use	597	601	611	619	629	637	642	648	654	660	668
Net Trade	2,000	2,100	2,109	2,116	2,124	2,138	2,157	2,175	2,196	2,216	2,236

Rest-of-World Sunflower Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sunflower Seed											
Area Harvested	4,705	4,899	4,994	4,994	5,006	5,031	5,068	5,114	5,157	5,198	5,237
Yield	1.06	1.06	1.07	1.08	1.08	1.09	1.09	1.10	1.11	1.11	1.12
Production	4,982	5,216	5,347	5,377	5,420	5,478	5,548	5,629	5,707	5,784	5,858
Beginning Stocks	332	195	192	195	195	198	200	200	202	203	205
Domestic Supply	5,314	5,411	5,539	5,572	5,615	5,676	5,748	5,830	5,909	5,987	6,063
Crush	5,202	5,306	5,418	5,498	5,566	5,645	5,726	5,812	5,890	5,971	6,043
Other Use	568	584	600	606	615	625	633	644	653	664	674
Ending Stocks	195	192	195	195	198	200	200	202	203	205	207
Domestic Use	5,964	6,083	6,213	6,300	6,380	6,469	6,559	6,657	6,747	6,839	6,924
Net Trade	-651	-672	-674	-727	-764	-794	-811	-827	-838	-852	-861
Sunflower Meal											
Production	2,164	2,209	2,255	2,289	2,317	2,350	2,384	2,419	2,452	2,486	2,516
Beginning Stocks	10	6	6	7	7	7	7	7	7	7	7
Domestic Supply	2,174	2,216	2,262	2,296	2,324	2,357	2,391	2,427	2,459	2,493	2,523
Consumption	3,508	3,586	3,620	3,669	3,760	3,834	3,912	3,986	4,062	4,133	4,197
Ending Stocks	6	6	7	7	7	7	7	7	7	7	8
Domestic Use	3,514	3,593	3,626	3,676	3,766	3,841	3,919	3,993	4,069	4,141	4,205
Net Trade	-1,340	-1,377	-1,364	-1,380	-1,442	-1,484	-1,528	-1,566	-1,610	-1,648	-1,682
Sunflower Oil											
Production	2,067	2,111	2,155	2,187	2,214	2,246	2,278	2,312	2,343	2,375	2,404
Beginning Stocks	340	204	204	203	204	204	205	205	205	205	205
Domestic Supply	2,407	2,315	2,359	2,391	2,418	2,450	2,483	2,517	2,548	2,580	2,609
Consumption	4,301	4,154	4,248	4,339	4,435	4,526	4,635	4,729	4,830	4,930	5,034
Ending Stocks	204	204	203	204	204	205	205	205	205	205	206
Domestic Use	4,505	4,358	4,452	4,542	4,639	4,731	4,840	4,934	5,036	5,136	5,240
Net Trade	-2,097	-2,043	-2,093	-2,152	-2,221	-2,281	-2,357	-2,417	-2,487	-2,556	-2,630

World Palm Oil and Palm Kernel Products

Consistent with the trend of other vegetable oils, demand recovery pushes the world palm oil price up by about 10% in 2009/10 after the steep drop in 2008/09. Over the remaining projection period, the palm oil price keeps increasing along with the other vegetable oil prices and reaches \$957 per mt by 2019/20. Given the strong price increases expected for vegetable oils, palm oil remains the lowest-cost and most traded oil despite a 38% price increase over the outlook period.

Malaysia and Indonesia are the major producers of palm oil and related products, together accounting for about 88% of total world palm oil production. Indonesia surpassed Malaysia as the world's leading producer in 2005/06. That lead increases throughout the projection period, as Malaysia is more constrained in its ability to expand palm areas. Thus, yield improvement is the key factor for Malaysia's production growth. Malaysia's palm oil production increases to 23.4 mmt in 2019/20, and net exports reach 18.9 mmt. Driven by the firming world price, Indonesia's palm harvested area increases by 22%, raising its production to 28.5 mmt over the baseline. Its net exports increase more than 46%, reaching 22.8 mmt by 2019/20. Although both countries have ambitious plans for promoting their biodiesel industries, the increasing palm oil price and repeated delays in the implementation of domestic mandates slow the development of this sector.

Although world exports are dominated by two countries, importers are diverse. Major importers of palm oil include China, India, and the EU. The leading palm oil consumer, China, depends heavily on imports to meet its demand. The country's palm oil net imports reach 9.7 mmt by 2019/20, through an average annual growth of 4.4% over the decade. Palm oil used for food consumption accounts for 56% of China's total palm oil domestic demand over the outlook period. China's per capita food use consumption increases by 25% over the period, reaching 3.93 kg by 2019/20. While significant, this growth pales in comparison to the expected 39% growth in per capita soybean oil consumption.

For the second straight season, India surpassed China in the quantities of palm oil imported and consumed. This is likely to be only a temporary change, and China is expected to resume its leading position next season. The large increase in Indian vegetable oil net imports is in part due to the significant reduction of tariffs (and for some oils such as palm, elimination of tariffs). In 2009/10 the country consumed 6.8 mmt of palm oil, primarily supported by imports. Population and income growth causes palm oil consumption in India to expand, driving imports up to 8.1 mmt by 2019/20. The EU also depends on imports to maintain its palm oil consumption, which grows about 16% over the projection period. Because rapeseed oil, the major vegetable oil in the EU, is primarily used for biodiesel production, the low-cost palm oil becomes a preferred substitute for other industrial uses.

World palm kernel oil production expands 32%, and net trade reaches 2.2 mmt over the baseline. Indonesia is by far the largest net exporter by 2019/20, supplying over 90% of world net exports. The remainder is supplied by Malaysia, which consumes over 90% of its production domestically. The EU, accounting for more than 32% of world net imports, maintains its position as the dominant net importer of palm kernel oil. However, with 29% of world net imports, China challenges that position by the end of the outlook.

The EU is also the leading importer of world palm kernel meal, accounting for 53% of world imports in 2009/10. However, the share of EU net imports declines to 44% over the projection period, as demand expansion is hampered by the large domestic availability of rapeseed meal from the biodiesel-induced crush demand.

Palm Sector Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Palm Oil											
Net Exporters	(Thousand Metric Tons)										
Malaysia	15,100	15,227	15,478	15,765	16,112	16,504	16,936	17,392	17,865	18,354	18,854
Indonesia	15,660	16,570	17,320	18,026	18,701	19,373	20,048	20,726	21,412	22,104	22,795
Total Net Exports *	30,760	31,797	32,797	33,790	34,814	35,877	36,984	38,118	39,277	40,458	41,649
Net Importers											
China	6,299	6,603	6,881	7,184	7,518	7,856	8,204	8,562	8,933	9,318	9,708
European Union	4,620	4,735	4,832	4,896	4,929	4,994	5,070	5,150	5,229	5,306	5,376
India	6,650	6,511	6,681	6,839	7,005	7,180	7,364	7,553	7,739	7,925	8,107
Rest of World	12,572	13,329	13,785	14,252	14,742	15,229	15,727	16,234	16,756	17,290	17,838
Residual	619	619	619	619	619	619	619	619	619	619	619
Total Net Imports	30,760	31,797	32,797	33,790	34,814	35,877	36,984	38,118	39,277	40,458	41,649
Palm Kernel Meal											
Net Exporters											
Indonesia	2,250	2,323	2,398	2,472	2,541	2,609	2,678	2,747	2,816	2,887	2,958
Malaysia	2,150	2,253	2,268	2,299	2,334	2,375	2,421	2,468	2,517	2,568	2,619
Total Net Exports *	4,400	4,576	4,666	4,771	4,875	4,984	5,099	5,215	5,333	5,455	5,577
Net Importers											
European Union	2,350	2,389	2,386	2,392	2,391	2,400	2,413	2,429	2,446	2,467	2,489
Rest of World	1,912	2,049	2,141	2,241	2,346	2,446	2,548	2,648	2,749	2,850	2,949
Residual	138	138	138	138	138	138	138	138	138	138	138
Total Net Imports	4,400	4,576	4,666	4,771	4,875	4,984	5,099	5,215	5,333	5,455	5,577
Palm Kernel Oil											
Net Exporters											
Indonesia	1,498	1,519	1,590	1,657	1,720	1,781	1,841	1,901	1,964	2,028	2,092
Malaysia	225	221	207	189	174	165	160	155	150	145	141
Total Net Exports *	1,723	1,740	1,796	1,847	1,894	1,946	2,001	2,056	2,114	2,173	2,232
Net Importers											
China	450	464	480	497	516	535	555	575	597	619	643
European Union	623	619	631	639	644	654	665	676	686	697	707
Rest of World	589	597	624	649	673	696	720	744	769	795	822
Residual	61	61	61	61	61	61	61	61	61	61	61
Total Net Imports	1,723	1,740	1,796	1,847	1,894	1,946	2,001	2,056	2,114	2,173	2,232
CIF Rotterdam Prices											
	(U.S. Dollars per Metric Ton)										
Palm Oil	696	716	749	776	799	824	851	877	904	931	957

* Total net exports are the sum of all positive net exports and negative net imports.

World Palm Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Palm Oil											
					(Thousand Metric Tons)						
Production	45,132	46,113	47,420	48,743	50,126	51,549	53,021	54,534	56,081	57,662	59,264
Consumption	44,330	45,487	46,812	48,126	49,503	50,926	52,400	53,912	55,458	57,038	58,639
Trade *	30,760	31,797	32,797	33,790	34,814	35,877	36,984	38,118	39,277	40,458	41,649
					(Kilograms)						
Per Capita Consumption	6.49	6.59	6.71	6.82	6.95	7.07	7.20	7.34	7.48	7.62	7.76
Palm Kernel Meal											
					(Thousand Metric Tons)						
Production	6,389	6,580	6,767	6,956	7,153	7,354	7,560	7,771	7,985	8,201	8,419
Consumption	6,238	6,446	6,626	6,815	7,010	7,212	7,418	7,629	7,843	8,059	8,277
Trade *	4,400	4,576	4,666	4,771	4,875	4,984	5,099	5,215	5,333	5,455	5,577
Palm Kernel Oil											
Production	5,305	5,481	5,636	5,793	5,956	6,123	6,295	6,470	6,647	6,828	7,009
Consumption	5,308	5,422	5,575	5,730	5,893	6,060	6,232	6,407	6,584	6,764	6,945
Trade *	1,723	1,740	1,796	1,847	1,894	1,946	2,001	2,056	2,114	2,173	2,232
					(Kilograms)						
Per Capita Consumption	0.78	0.79	0.80	0.81	0.83	0.84	0.86	0.87	0.89	0.90	0.92

* Excludes intraregional trade.

Chinese Palm Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Palm Oil	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	499	468	468	468	468	468	468	468	468	468	468
Domestic Supply	499	468	468	468	468	468	468	468	468	468	468
Consumption	6,330	6,603	6,881	7,184	7,518	7,856	8,204	8,562	8,933	9,318	9,708
Ending Stocks	468	468	468	468	468	468	468	468	468	468	468
Domestic Use	6,798	7,071	7,349	7,652	7,986	8,324	8,672	9,030	9,401	9,786	10,176
Net Trade	-6,299	-6,603	-6,881	-7,184	-7,518	-7,856	-8,204	-8,562	-8,933	-9,318	-9,708

European Union Palm Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Palm Oil	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	555	527	529	530	530	528	528	528	528	528	528
Domestic Supply	555	527	529	530	530	528	528	528	528	528	528
Consumption	4,648	4,733	4,830	4,896	4,932	4,994	5,070	5,150	5,229	5,306	5,376
Ending Stocks	527	529	530	530	528	528	528	528	528	528	528
Domestic Use	5,175	5,262	5,360	5,426	5,459	5,521	5,598	5,678	5,757	5,834	5,904
Net Trade	-4,620	-4,735	-4,832	-4,896	-4,929	-4,994	-5,070	-5,150	-5,229	-5,306	-5,376
Palm Kernel Meal											
Production	14	14	14	14	14	14	14	14	14	14	14
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	14	14	14	14	14	14	14	14	14	14	14
Consumption	2,364	2,403	2,400	2,405	2,405	2,414	2,427	2,443	2,460	2,481	2,503
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	2,364	2,403	2,400	2,405	2,405	2,414	2,427	2,443	2,460	2,481	2,503
Net Trade	-2,350	-2,389	-2,386	-2,392	-2,391	-2,400	-2,413	-2,429	-2,446	-2,467	-2,489
Palm Kernel Oil											
Production	11	11	11	11	11	11	11	11	11	11	11
Beginning Stocks	19	27	27	28	28	27	26	26	26	26	26
Domestic Supply	30	38	38	39	39	38	37	37	37	37	37
Consumption	626	629	642	650	657	665	676	687	697	708	718
Ending Stocks	27	27	28	28	27	26	26	26	26	26	26
Domestic Use	653	656	670	678	683	691	702	713	724	734	744
Net Trade	-623	-619	-631	-639	-644	-654	-665	-676	-686	-697	-707

Indian Palm Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Palm Oil	(Thousand Metric Tons)										
Production	50	51	53	54	56	59	61	63	65	68	70
Beginning Stocks	489	389	390	390	390	390	391	391	391	391	392
Domestic Supply	539	440	442	445	447	449	451	454	457	459	462
Consumption	6,800	6,561	6,733	6,894	7,061	7,238	7,424	7,616	7,804	7,992	8,177
Ending Stocks	389	390	390	390	390	391	391	391	391	392	392
Domestic Use	7,189	6,950	7,123	7,284	7,452	7,629	7,815	8,007	8,196	8,384	8,569
Net Trade	-6,650	-6,511	-6,681	-6,839	-7,005	-7,180	-7,364	-7,553	-7,739	-7,925	-8,107

Indonesian Palm Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Palm Oil	(Thousand Metric Tons)										
Production	20,750	21,647	22,453	23,222	23,966	24,705	25,449	26,202	26,966	27,742	28,526
Beginning Stocks	745	830	836	835	833	834	835	835	836	836	837
Domestic Supply	21,495	22,477	23,289	24,056	24,799	25,539	26,284	27,037	27,801	28,578	29,363
Consumption	5,005	5,071	5,135	5,198	5,264	5,331	5,401	5,475	5,553	5,637	5,731
Ending Stocks	830	836	835	833	834	835	835	836	836	837	838
Domestic Use	5,835	5,907	5,969	6,031	6,098	6,166	6,236	6,311	6,390	6,474	6,569
Net Trade	15,660	16,570	17,320	18,026	18,701	19,373	20,048	20,726	21,412	22,104	22,795
Palm Kernel Meal											
Production	2,800	2,879	3,000	3,116	3,229	3,340	3,451	3,563	3,676	3,789	3,904
Beginning Stocks	45	45	45	45	45	45	45	46	46	46	46
Domestic Supply	2,845	2,924	3,045	3,161	3,274	3,385	3,496	3,608	3,721	3,836	3,950
Consumption	550	556	603	644	687	730	773	816	859	902	946
Ending Stocks	45	45	45	45	45	45	46	46	46	46	47
Domestic Use	595	601	647	689	733	776	819	862	905	949	992
Net Trade	2,250	2,323	2,398	2,472	2,541	2,609	2,678	2,747	2,816	2,887	2,958
Palm Kernel Oil											
Production	2,300	2,365	2,465	2,560	2,652	2,743	2,835	2,927	3,019	3,113	3,207
Beginning Stocks	153	135	135	135	134	135	135	135	135	135	135
Domestic Supply	2,453	2,500	2,599	2,695	2,787	2,878	2,969	3,061	3,154	3,247	3,342
Consumption	820	846	875	903	932	963	994	1,025	1,055	1,085	1,115
Ending Stocks	135	135	135	134	135	135	135	135	135	135	135
Domestic Use	955	981	1,010	1,038	1,067	1,097	1,128	1,160	1,190	1,219	1,250
Net Trade	1,498	1,519	1,590	1,657	1,720	1,781	1,841	1,901	1,964	2,028	2,092

Malaysian Palm Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Palm Oil	(Thousand Metric Tons)										
Production	18,500	18,578	18,950	19,378	19,858	20,379	20,939	21,528	22,136	22,763	23,399
Beginning Stocks	1,300	1,560	1,560	1,557	1,561	1,567	1,572	1,575	1,579	1,583	1,588
Domestic Supply	19,800	20,138	20,510	20,935	21,420	21,946	22,511	23,103	23,715	24,346	24,987
Consumption	3,140	3,351	3,475	3,609	3,740	3,871	4,000	4,132	4,267	4,404	4,541
Ending Stocks	1,560	1,560	1,557	1,561	1,567	1,572	1,575	1,579	1,583	1,588	1,592
Domestic Use	4,700	4,911	5,033	5,170	5,307	5,442	5,575	5,710	5,850	5,992	6,133
Net Trade	15,100	15,227	15,478	15,765	16,112	16,504	16,936	17,392	17,865	18,354	18,854
Palm Kernel Meal											
Production	2,535	2,598	2,641	2,691	2,748	2,810	2,876	2,945	3,016	3,089	3,163
Beginning Stocks	70	83	79	82	85	88	92	95	99	102	106
Domestic Supply	2,605	2,681	2,720	2,773	2,832	2,898	2,968	3,040	3,115	3,192	3,269
Consumption	372	349	371	390	410	431	451	473	496	518	540
Ending Stocks	83	79	82	85	88	92	95	99	102	106	109
Domestic Use	455	428	452	474	499	523	547	572	598	624	649
Net Trade	2,150	2,253	2,268	2,299	2,334	2,375	2,421	2,468	2,517	2,568	2,619
Palm Kernel Oil											
Production	2,140	2,193	2,230	2,272	2,320	2,372	2,428	2,486	2,546	2,608	2,670
Beginning Stocks	230	213	213	214	217	221	223	226	228	230	233
Domestic Supply	2,370	2,406	2,443	2,486	2,537	2,592	2,651	2,712	2,774	2,838	2,903
Consumption	1,932	1,972	2,022	2,080	2,142	2,204	2,266	2,329	2,394	2,460	2,527
Ending Stocks	213	213	214	217	221	223	226	228	230	233	235
Domestic Use	2,145	2,185	2,236	2,297	2,362	2,427	2,491	2,557	2,624	2,693	2,762
Net Trade	225	221	207	189	174	165	160	155	150	145	141

Rest-of-World Palm Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Palm Oil	(Thousand Metric Tons)										
Production	5,832	5,837	5,964	6,090	6,245	6,406	6,572	6,741	6,914	7,089	7,268
Beginning Stocks	1,121	1,118	1,117	1,108	1,104	1,103	1,101	1,099	1,097	1,096	1,095
Domestic Supply	6,953	6,955	7,081	7,198	7,349	7,509	7,673	7,841	8,011	8,186	8,363
Consumption	18,407	19,168	19,758	20,346	20,988	21,636	22,301	22,977	23,671	24,380	25,107
Ending Stocks	1,118	1,117	1,108	1,104	1,103	1,101	1,099	1,097	1,096	1,095	1,094
Domestic Use	19,525	20,285	20,866	21,450	22,091	22,738	23,400	24,074	24,767	25,475	26,201
Net Trade	-12,572	-13,329	-13,785	-14,252	-14,742	-15,229	-15,727	-16,234	-16,756	-17,290	-17,838
Palm Kernel Meal											
Production	1,040	1,088	1,111	1,134	1,162	1,191	1,220	1,249	1,279	1,309	1,339
Beginning Stocks	0	0	0	0	0	0	0	1	1	2	2
Domestic Supply	1,040	1,088	1,111	1,134	1,162	1,191	1,220	1,250	1,280	1,310	1,341
Consumption	2,952	3,138	3,253	3,376	3,508	3,637	3,767	3,897	4,027	4,158	4,288
Ending Stocks	0	0	0	0	0	0	1	1	2	2	2
Domestic Use	2,952	3,138	3,253	3,376	3,508	3,637	3,768	3,898	4,029	4,160	4,290
Net Trade	-1,912	-2,049	-2,141	-2,241	-2,346	-2,446	-2,548	-2,648	-2,749	-2,850	-2,949
Palm Kernel Oil											
Production	854	912	931	950	973	997	1,022	1,046	1,071	1,096	1,121
Beginning Stocks	112	75	73	71	70	70	69	69	68	68	68
Domestic Supply	966	987	1,003	1,021	1,043	1,067	1,091	1,115	1,139	1,164	1,189
Consumption	1,480	1,511	1,557	1,600	1,646	1,693	1,742	1,791	1,841	1,892	1,943
Ending Stocks	75	73	71	70	70	69	69	68	68	68	68
Domestic Use	1,555	1,583	1,628	1,670	1,716	1,762	1,811	1,859	1,909	1,959	2,010
Net Trade	-589	-597	-624	-649	-673	-696	-720	-744	-769	-795	-822

World Peanuts and Peanut Products

Peanuts have a great number of cultivars. The four major cultivar groups out of thousands of peanut varieties are Runner, Virginia, Spanish, and Valencia. Each type has a distinct size and flavor. The CIF price in Rotterdam for U.S. Runners, 40/50, is selected as the representative world price. As with other oilseeds, the peanut price declined sharply in 2008/09. The price declines by 3% in 2009/10 as demand, especially for crush, softens. The price then starts an ascending path throughout the rest of the baseline. The projected price stays above the historical levels.

The peanut meal price declines by 4% in 2009/10 and follows the trend of the other protein meal prices throughout the baseline. Although peanut oil is only a limited substitute for other major vegetable oils for some end uses, its price is expected to follow the general trends in world vegetable oil prices, with the exception of a decline in 2009/10. The peanut oil price declines 13% in 2009/10 but then recovers and reaches \$1,509/mt by the end of the outlook period.

Because of price decreases, world peanut area declined by almost 7% in 2009/10. This, combined with a 3.2% reduction in yields, leads to a 10% decrease in production. Production increases by 7.6% over the baseline, driven primarily by yield improvements as area remains stagnant for the rest of the outlook. World trade in peanuts and peanut products is modest compared with total production. Most peanut production supplies the local population and responds to domestic demand. Less than 6% of world peanut, peanut oil, and peanut meal production is traded internationally.

China is expected to continue a downward trend in the area devoted to the production of peanuts. As yield growth is not able to outpace the area reduction, production declines throughout the outlook. However, China remains the leading producer and generates 12.6.0 mmt by 2019/20. More than half of Chinese peanut output is crushed while the remainder is consumed directly as food. The proportion of peanuts crushed is expected to increase over the projection period. China is self-sufficient in peanut meal and oil consumption, with very small net trading positions during the outlook.

India has a larger peanut harvested area than any other country. The area is projected to remain stagnant over the outlook, which is a break from the declining trend observed in the previous decade. Modest yield gains contribute to the reversal of the production trend. The Indian peanut crushing industry is domestically oriented, and trade is negligible. About 75% of the peanuts grown in India are processed for oil to meet the growing domestic demand. Population and income growth stimulates an average growth of 18% in peanut oil consumption over the outlook period. Because of expansion of the Indian livestock and dairy industries, peanut meal consumption increases 20.4% by 2019/20.

Argentina's peanut area declines in 2009/10 as a result of relatively low prices. However, it is expected to resume its growth next season and expand modestly over the baseline. Yield improvements combine with the area increase to raise production by 17% by 2019/20. Argentina is the dominant peanut oil net exporter and second only to China in the peanut market. However, the gap is reduced considerably in the later years of the outlook.

The EU is the most significant importer of peanuts and peanut oil. The EU's share of total world peanut net imports accounts for about 46% in 2009/10 and grows to 55% over the next decade. The EU imports almost 75% of all internationally traded peanut oil in 2009/10, and this level remains stable over the outlook period.

Peanut Sector Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Peanuts											
Net Exporters	(Thousand Metric Tons)										
Argentina	450	417	426	434	442	451	459	468	477	486	496
China	690	726	738	700	665	638	621	603	587	569	553
India	190	183	179	177	175	172	170	167	164	162	159
United States	313	265	276	277	278	279	279	280	283	284	284
Total Net Exports *	1,643	1,590	1,619	1,588	1,560	1,540	1,528	1,519	1,511	1,501	1,492
Net Importers											
Canada	125	130	131	132	133	132	132	134	135	136	137
European Union	750	767	777	782	782	787	793	799	805	811	817
Mexico	125	138	139	139	140	142	145	148	152	155	159
Rest of World	448	360	377	340	310	285	263	243	224	205	184
Residual	195	195	195	195	195	195	195	195	195	195	195
Total Net Imports	1,643	1,590	1,619	1,588	1,560	1,540	1,528	1,519	1,511	1,501	1,492
Peanut Meal											
Net Exporters											
Argentina	10	10	10	10	10	10	10	10	10	10	10
India	75	78	76	74	73	71	69	67	65	63	61
United States	5	5	5	5	5	5	5	5	5	5	5
Rest of World	-17	-21	-22	-23	-23	-23	-24	-23	-23	-23	-22
Total Net Exports *	105	109	106	104	103	101	99	97	95	93	91
Net Importers											
China	58	59	56	54	51	49	47	46	44	42	41
European Union	30	28	28	28	28	28	28	28	28	28	28
Residual	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15
Total Net Imports	105	109	106	104	103	101	99	97	95	93	91
Peanut Oil											
Net Exporters											
Argentina	49	50	49	50	50	50	50	51	51	51	52
China	4	4	3	2	1	1	0	0	-1	-1	-1
India	20	20	20	20	20	19	19	19	19	19	19
Rest of World	57	55	53	54	54	55	56	57	57	57	57
Total Net Exports *	130	128	125	125	125	125	126	127	127	127	127
Net Importers											
European Union	94	93	94	94	94	94	95	95	95	96	96
United States	31	30	26	26	26	26	26	26	26	26	25
Residual	5	5	5	5	5	5	5	5	5	5	5
Total Net Imports	130	128	125	125	125	125	126	127	127	127	127
Prices											
	(U.S. Dollars per Metric Ton)										
Peanut, U.S. Runners 40/50											
CIF Rotterdam	1,168	1,142	1,160	1,181	1,194	1,209	1,225	1,239	1,249	1,263	1,269
Peanut Meal											
48/50%, Southeast Mills FO	138	129	129	130	131	130	130	129	128	127	125
Peanut Oil, CIF Rotterdam	1,159	1,232	1,267	1,300	1,323	1,352	1,387	1,421	1,451	1,485	1,509

* Total net exports are the sum of all positive net exports and negative net imports.

World Peanut Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Peanuts											
	(Thousand Hectares)										
Area Harvested	19,689	19,750	19,752	19,779	19,833	19,880	19,940	20,009	20,086	20,148	20,229
	(Thousand Metric Tons)										
Production	30,805	31,548	31,812	31,871	32,003	32,142	32,325	32,526	32,743	32,926	33,138
Beginning Stocks	1,557	1,187	1,111	1,150	1,153	1,163	1,171	1,179	1,189	1,205	1,215
Domestic Supply	32,362	32,735	32,924	33,020	33,156	33,305	33,497	33,705	33,932	34,131	34,353
Food	14,901	14,891	14,788	14,604	14,459	14,292	14,129	13,966	13,806	13,621	13,440
Crush	13,859	14,292	14,534	14,801	15,058	15,354	15,688	16,033	16,388	16,746	17,118
Other Use	2,220	2,245	2,257	2,267	2,280	2,293	2,307	2,322	2,339	2,354	2,371
Residual	195	195	195	195	195	195	195	195	195	195	195
Ending Stocks	1,187	1,111	1,150	1,153	1,163	1,171	1,179	1,189	1,205	1,215	1,229
Domestic Use	32,362	32,735	32,924	33,020	33,156	33,305	33,497	33,705	33,932	34,131	34,353
Trade	1,643	1,590	1,619	1,588	1,560	1,540	1,528	1,519	1,511	1,501	1,492
Peanut Meal											
Production	5,407	5,576	5,673	5,776	5,876	5,991	6,122	6,257	6,396	6,536	6,681
Consumption	5,422	5,590	5,687	5,791	5,891	6,006	6,136	6,271	6,410	6,551	6,696
Trade	105	109	106	104	103	101	99	97	95	93	91
Peanut Oil											
Production	4,469	4,601	4,679	4,765	4,849	4,944	5,052	5,162	5,277	5,392	5,512
Consumption	4,585	4,599	4,671	4,758	4,840	4,936	5,044	5,155	5,269	5,385	5,504
Trade	130	128	125	125	125	125	126	127	127	127	127
	(Kilograms)										
Per Capita Consumption	0.67	0.67	0.67	0.67	0.68	0.69	0.69	0.70	0.71	0.72	0.73

Argentine Peanut Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Peanuts											
Area Harvested	200	201	203	204	206	208	210	212	214	216	218
					(Thousand Hectares)						
Yield	2.75	2.77	2.79	2.81	2.83	2.85	2.87	2.89	2.91	2.93	2.95
					(Metric Tons per Hectare)						
Production	550	557	565	574	584	593	602	612	622	632	643
Beginning Stocks	53	18	21	22	23	24	24	25	26	26	26
Domestic Supply	603	575	586	596	606	617	627	637	648	658	669
					(Thousand Metric Tons)						
Crush	125	128	129	129	130	131	132	133	134	135	136
Other Use	10	10	10	10	10	11	11	11	11	11	11
Ending Stocks	18	21	22	23	24	24	25	26	26	26	25
Domestic Use	153	158	160	162	164	166	167	169	170	172	173
Net Trade	450	417	426	434	442	451	459	468	477	486	496
Peanut Meal											
Production	73	75	75	76	76	76	77	78	78	79	80
Beginning Stocks	2	2	2	2	2	2	2	2	2	2	2
Domestic Supply	75	77	77	78	78	79	79	80	80	81	82
Consumption	63	64	65	66	66	67	67	68	68	69	70
Ending Stocks	2	2	2	2	2	2	2	2	2	2	2
Domestic Use	65	66	67	68	68	69	69	70	71	71	72
Net Trade	10	10	10	10	10	10	10	10	10	10	10
Peanut Oil											
Production	53	54	55	55	55	55	56	56	57	57	58
Beginning Stocks	17	16	15	15	15	16	15	15	15	15	15
Domestic Supply	70	70	70	70	71	71	71	72	72	73	73
Consumption	5	5	5	5	5	5	6	6	6	6	6
Ending Stocks	16	15	15	15	16	15	15	15	15	15	15
Domestic Use	21	20	21	21	21	21	21	21	21	21	21
Net Trade	49	50	49	50	50	50	50	51	51	51	52

Chinese Peanut Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Peanuts											
	(Thousand Hectares)										
Area Harvested	4,000	4,195	4,154	4,079	4,010	3,951	3,907	3,864	3,821	3,776	3,731
	(Metric Tons per Hectare)										
Yield	3.18	3.20	3.22	3.24	3.26	3.28	3.30	3.32	3.34	3.36	3.38
	(Thousand Metric Tons)										
Production	12,720	13,423	13,377	13,215	13,074	12,960	12,892	12,827	12,763	12,686	12,610
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	12,720	13,423	13,377	13,215	13,074	12,960	12,892	12,827	12,763	12,686	12,610
Crush	6,265	6,840	6,942	7,037	7,130	7,264	7,431	7,603	7,780	7,965	8,155
Other Use	5,765	5,857	5,697	5,478	5,278	5,057	4,841	4,621	4,396	4,152	3,902
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	12,030	12,697	12,639	12,515	12,409	12,321	12,271	12,224	12,176	12,117	12,057
Net Trade	690	726	738	700	665	638	621	603	587	569	553
Peanut Meal											
Production	2,497	2,726	2,767	2,805	2,842	2,895	2,962	3,030	3,101	3,175	3,250
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	2,497	2,726	2,767	2,805	2,842	2,895	2,962	3,030	3,101	3,175	3,250
Consumption	2,555	2,785	2,823	2,858	2,893	2,944	3,009	3,076	3,145	3,217	3,291
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	2,555	2,785	2,823	2,858	2,893	2,944	3,009	3,076	3,145	3,217	3,291
Net Trade	-58	-59	-56	-54	-51	-49	-47	-46	-44	-42	-41
Peanut Oil											
Production	1,960	2,140	2,172	2,202	2,231	2,272	2,325	2,379	2,434	2,492	2,551
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,960	2,140	2,172	2,202	2,231	2,272	2,325	2,379	2,434	2,492	2,551
Consumption	1,956	2,136	2,169	2,199	2,229	2,272	2,324	2,379	2,435	2,493	2,553
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,956	2,136	2,169	2,199	2,229	2,272	2,324	2,379	2,435	2,493	2,553
Net Trade	4	4	3	2	1	1	0	0	-1	-1	-1

European Union Peanut Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Peanuts	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	17	17	18	18	18	18	18	18	19	19	19
Domestic Supply	17	17	18	18	18	18	18	18	19	19	19
Crush	45	46	46	46	46	46	46	46	46	46	46
Other Use	705	720	731	736	736	741	747	753	759	765	771
Ending Stocks	17	18	18	18	18	18	18	19	19	19	19
Domestic Use	767	784	795	800	800	805	811	817	824	830	836
Net Trade	-750	-767	-777	-782	-782	-787	-793	-799	-805	-811	-817
Peanut Meal											
Production	20	20	20	20	20	20	20	20	20	20	20
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	20	20	20	20	20	20	20	20	20	20	20
Consumption	50	49	48	48	48	48	48	48	48	48	49
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	50	49	48	48	48	48	48	48	48	48	49
Net Trade	-30	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28
Peanut Oil											
Production	16	16	16	16	16	16	16	16	16	16	16
Beginning Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Supply	21	21	21	21	22	21	21	22	22	22	22
Consumption	110	109	110	110	110	111	111	111	112	112	112
Ending Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Use	115	114	115	115	116	116	116	117	117	117	118
Net Trade	-94	-93	-94	-94	-94	-94	-95	-95	-95	-96	-96

Indian Peanut Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Peanuts											
					(Thousand Hectares)						
Area Harvested	5,200	4,933	4,952	5,033	5,103	5,167	5,233	5,302	5,375	5,444	5,521
					(Metric Tons per Hectare)						
Yield	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06
					(Thousand Metric Tons)						
Production	5,000	4,792	4,861	4,991	5,111	5,227	5,346	5,469	5,598	5,725	5,860
Beginning Stocks	124	54	57	58	58	59	60	61	61	62	63
Domestic Supply	5,124	4,846	4,918	5,049	5,169	5,286	5,406	5,530	5,659	5,787	5,923
Crush	3,770	3,494	3,556	3,676	3,785	3,890	3,999	4,111	4,227	4,342	4,465
Other Use	1,110	1,113	1,125	1,137	1,151	1,164	1,177	1,191	1,206	1,220	1,236
Ending Stocks	54	57	58	58	59	60	61	61	62	63	64
Domestic Use	4,934	4,663	4,739	4,871	4,995	5,114	5,236	5,363	5,495	5,625	5,764
Net Trade	190	183	179	177	175	172	170	167	164	162	159
Peanut Meal											
Production	1,475	1,367	1,391	1,438	1,481	1,522	1,565	1,608	1,654	1,699	1,747
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,475	1,367	1,391	1,438	1,481	1,522	1,565	1,608	1,654	1,699	1,747
Consumption	1,400	1,289	1,315	1,364	1,408	1,451	1,496	1,541	1,589	1,636	1,685
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,400	1,289	1,315	1,364	1,408	1,451	1,496	1,541	1,589	1,636	1,685
Net Trade	75	78	76	74	73	71	69	67	65	63	61
Peanut Oil											
Production	1,255	1,163	1,184	1,224	1,260	1,295	1,331	1,368	1,407	1,446	1,486
Beginning Stocks	135	10	8	11	13	17	20	22	24	27	30
Domestic Supply	1,390	1,173	1,192	1,234	1,273	1,312	1,351	1,390	1,432	1,473	1,516
Consumption	1,360	1,145	1,161	1,201	1,237	1,273	1,310	1,347	1,385	1,424	1,464
Ending Stocks	10	8	11	13	17	20	22	24	27	30	33
Domestic Use	1,370	1,153	1,172	1,215	1,254	1,292	1,331	1,371	1,412	1,454	1,497
Net Trade	20	20	20	20	20	19	19	19	19	19	19

Canadian Peanut Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Peanuts	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Supply	5	5	5	5	5	5	5	5	5	5	5
Crush	0	0	0	0	0	0	0	0	0	0	0
Other Use	125	129	131	132	133	132	132	134	135	136	137
Ending Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Use	130	135	137	137	138	137	138	139	140	141	143
Net Trade	-125	-130	-131	-132	-133	-132	-132	-134	-135	-136	-137

Mexican Peanut Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Peanuts	(Thousand Hectares)										
Area Harvested	45	43	42	42	42	42	42	42	42	41	41
	(Metric Tons per Hectare)										
Yield	1.56	1.57	1.59	1.61	1.63	1.65	1.66	1.68	1.70	1.72	1.74
	(Thousand Metric Tons)										
Production	70	67	67	68	69	69	70	70	71	71	72
Beginning Stocks	13	9	11	11	10	10	10	11	11	12	13
Domestic Supply	83	76	78	79	79	80	80	81	82	83	84
Crush	4	4	4	4	4	4	4	4	4	4	4
Other Use	195	200	202	203	205	207	210	214	218	221	226
Ending Stocks	9	11	11	10	10	10	11	11	12	13	13
Domestic Use	208	215	217	218	220	222	225	229	234	238	243
Net Trade	-125	-138	-139	-139	-140	-142	-145	-148	-152	-155	-159

Rest-of-World Peanut Sector Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Peanuts											
					(Thousand Hectares)						
Area Harvested	9,807	9,898	9,869	9,900	9,952	9,994	10,034	10,076	10,121	10,160	10,207
					(Metric Tons per Hectare)						
Yield	1.10	1.11	1.11	1.12	1.13	1.14	1.14	1.15	1.16	1.16	1.17
					(Thousand Metric Tons)						
Production	10,792	10,962	10,999	11,103	11,230	11,349	11,464	11,583	11,704	11,821	11,947
Beginning Stocks	379	364	377	379	382	386	389	393	397	401	405
Domestic Supply	11,171	11,326	11,376	11,482	11,612	11,734	11,853	11,976	12,101	12,222	12,352
Crush	3,442	3,581	3,635	3,688	3,740	3,794	3,850	3,907	3,964	4,020	4,076
Other Use	7,813	7,728	7,739	7,753	7,796	7,836	7,873	7,915	7,960	8,001	8,050
Ending Stocks	364	377	379	382	386	389	393	397	401	405	410
Domestic Use	11,619	11,686	11,753	11,823	11,922	12,019	12,116	12,219	12,326	12,426	12,536
Net Trade	-448	-360	-377	-340	-310	-285	-263	-243	-224	-205	-184
Peanut Meal											
Production	1,243	1,293	1,313	1,332	1,351	1,370	1,391	1,411	1,432	1,452	1,472
Beginning Stocks	5	5	6	6	6	7	7	7	7	8	8
Domestic Supply	1,248	1,298	1,319	1,338	1,357	1,377	1,398	1,418	1,439	1,460	1,480
Consumption	1,260	1,314	1,335	1,355	1,374	1,393	1,414	1,434	1,455	1,475	1,494
Ending Stocks	5	6	6	6	7	7	7	7	8	8	8
Domestic Use	1,265	1,320	1,341	1,361	1,380	1,400	1,421	1,442	1,463	1,483	1,502
Net Trade	-17	-21	-22	-23	-23	-23	-24	-23	-23	-23	-22
Peanut Oil											
Production	1,118	1,163	1,180	1,197	1,214	1,232	1,250	1,269	1,287	1,305	1,323
Beginning Stocks	19	24	24	24	24	24	24	24	24	24	24
Domestic Supply	1,137	1,187	1,204	1,221	1,238	1,256	1,274	1,292	1,311	1,329	1,347
Consumption	1,055	1,108	1,128	1,143	1,160	1,177	1,194	1,212	1,230	1,248	1,267
Ending Stocks	24	24	24	24	24	24	24	24	24	24	24
Domestic Use	1,079	1,132	1,151	1,167	1,184	1,200	1,218	1,236	1,254	1,272	1,291
Net Trade	57	55	53	54	54	55	56	57	57	57	57

Per Capita Vegetable Oil Consumption of Selected Countries

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Argentina											
						(Kilograms)					
Soybean Oil	9.68	9.88	9.81	9.92	10.02	10.10	10.17	10.23	10.27	10.33	10.40
Sunflower Oil	8.95	8.90	8.97	9.00	9.04	9.08	9.11	9.14	9.17	9.20	9.22
Peanut Oil	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Total	18.75	18.89	18.90	19.05	19.19	19.30	19.40	19.49	19.57	19.66	19.75
Australia											
Rapeseed Oil	8.32	8.20	8.19	8.16	8.09	8.02	7.95	7.87	7.79	7.71	7.64
Brazil											
Soybean Oil	15.33	15.41	15.18	15.16	15.19	15.18	15.15	15.13	15.12	15.14	15.19
Canada											
Soybean Oil	7.79	7.96	7.89	7.93	7.94	7.90	7.88	7.91	7.94	7.96	7.99
Canola Oil	10.37	10.33	10.38	10.40	10.41	10.40	10.41	10.40	10.40	10.39	10.41
Total	18.16	18.29	18.28	18.33	18.35	18.30	18.28	18.31	18.33	18.35	18.39
China											
Soybean Oil	7.76	8.07	8.25	8.54	8.84	9.14	9.45	9.77	10.10	10.45	10.82
Rapeseed Oil	3.84	3.77	3.80	3.82	3.85	3.88	3.90	3.90	3.91	3.93	3.95
Sunflower Oil	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.28
Palm Oil	3.14	3.21	3.27	3.33	3.41	3.48	3.57	3.65	3.74	3.84	3.93
Peanut Oil	1.47	1.60	1.61	1.63	1.64	1.67	1.70	1.73	1.77	1.81	1.84
Total	16.43	16.87	17.16	17.56	17.98	18.42	18.87	19.32	19.79	20.29	20.82
European Union											
Soybean Oil	2.94	3.01	2.99	3.01	3.02	3.02	3.03	3.05	3.06	3.07	3.09
Rapeseed Oil	5.77	5.54	5.55	5.56	5.59	5.61	5.63	5.61	5.60	5.60	5.61
Sunflower Oil	5.89	5.86	5.94	5.98	6.01	6.05	6.08	6.12	6.16	6.21	6.25
Palm Oil	9.44	9.60	9.79	9.92	9.99	10.11	10.26	10.42	10.58	10.74	10.89
Peanut Oil	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23
Total	24.27	24.24	24.50	24.69	24.83	25.02	25.22	25.43	25.64	25.85	26.06
India											
Soybean Oil	1.91	2.00	2.03	2.09	2.14	2.20	2.26	2.32	2.37	2.43	2.49
Rapeseed Oil	2.00	2.02	2.05	2.04	2.01	2.00	2.01	2.03	2.05	2.06	2.06
Palm Oil	5.80	5.52	5.59	5.65	5.71	5.78	5.86	5.94	6.02	6.09	6.17
Peanut Oil	1.16	0.96	0.96	0.98	1.00	1.02	1.03	1.05	1.07	1.09	1.10
Total	10.87	10.50	10.64	10.75	10.87	11.00	11.16	11.34	11.51	11.67	11.82
Indonesia											
Palm Oil	17.29	17.31	17.32	17.33	17.35	17.36	17.38	17.39	17.40	17.41	17.43
Total	17.29	17.31	17.32	17.33	17.35	17.36	17.38	17.39	17.40	17.41	17.43
Japan											
Soybean Oil	4.30	4.37	4.31	4.35	4.36	4.37	4.38	4.39	4.41	4.43	4.44
Rapeseed Oil	7.25	7.26	7.32	7.37	7.43	7.48	7.55	7.63	7.71	7.77	7.83
Total	11.55	11.62	11.64	11.72	11.79	11.85	11.93	12.03	12.12	12.20	12.27

Per Capita Vegetable Oil Consumption of Selected Countries (continued)

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Malaysia											
Palm Oil	34.79	38.52	38.96	39.61	40.28	40.95	41.58	42.23	42.89	43.54	44.18
Total	34.79	38.52	38.96	39.61	40.28	40.95	41.58	42.23	42.89	43.54	44.18
Other CIS *											
Soybean Oil	0.86	0.88	0.88	0.89	0.90	0.92	0.93	0.94	0.95	0.96	0.98
Rapeseed Oil	0.90	0.90	0.91	0.91	0.91	0.92	0.92	0.93	0.93	0.93	0.94
Sunflower Oil	7.09	7.10	7.18	7.21	7.25	7.30	7.35	7.40	7.46	7.52	7.58
Total	8.85	8.89	8.97	9.01	9.07	9.13	9.20	9.27	9.34	9.42	9.49
South Korea											
Soybean Oil	9.15	9.93	10.03	10.24	10.43	10.55	10.62	10.71	10.82	10.95	11.12
Taiwan											
Soybean Oil	15.20	16.00	16.08	16.45	16.90	17.20	17.44	17.61	17.79	18.03	18.28
United States											
Soybean Oil	24.21	25.54	25.98	26.30	26.18	26.49	27.17	27.55	27.78	27.97	28.01
Sunflower Oil	0.74	0.71	0.73	0.73	0.73	0.73	0.73	0.74	0.74	0.75	0.75
Canola Oil	4.30	4.23	4.28	4.28	4.29	4.32	4.33	4.31	4.30	4.29	4.30
Peanut Oil	0.32	0.30	0.31	0.31	0.31	0.30	0.30	0.30	0.30	0.30	0.30
Total	29.57	30.78	31.30	31.62	31.51	31.85	32.55	32.90	33.13	33.30	33.35

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Uzbekistan.

WORLD COTTON

World Cotton

In 2009/10, world cotton acreage shrank for a second straight year, to 30.4 mha, under continued competition from grains and oilseeds, which have seen continued strong prices. Production shrank to 22.3 mmt on yields of 733 kg/ha. Mill use is expected to decline to 24.9 mmt under a modest rebound as world economies emerge from the recent economic crisis. The growth in mill use and the modest contraction in production pull stocks to the lowest level in several years. The Cotlook A-index Far East (FE) price for cotton strengthens to \$1,633 per mt as supplies tighten. Price reporting has made a transition to the FE price, and the previous Northern Europe (NE) price is no longer being reported. Historically, the FE price has trended lower than the NE price. World cotton demand strengthens in 2009/10 and in the next few years but will be dependent upon the resolution of the current economic crisis. World cotton area returns to very modest growth as world GDP recovers, but it remains well below the area seen in 2005/06 and 2006/07.

Chinese cotton production fell significantly, to 6.9 mmt, in 2009/10 on a proportional decline in acreage. Acreage is expected to increase in 2010/11 but to remain below 6 mha during the next decade. Chinese mill use grew to 10.1 mmt in 2009/10, after stumbling the previous year as world demand dried up. In 2009/10 Chinese consumption will represent 41% of total world consumption. Chinese demand in 2009/10 and beyond is expected to grow at a more tepid pace as the global economy recovers. As this recovery occurs, and with acreage relatively stable, Chinese cotton imports are expected to rise, reaching 29% of use by 2019/20 and over 40% of world trade flows, making China the dominant destination for cotton trade.

China's increase in demand is met in part by increased area and improving yields in India, which has the most area under cotton cultivation in the world, estimated at just over 10.2 mha in 2009/10, a significant jump from the previous year. India is projected to increase its area modestly, to 10.4 mha in 2010/11, and area grows only marginally from that point. Yields in India have been below the world average and stumbled in 2009/10, falling to 497 kg per ha, but they have grown rapidly with the adoption of Bt cotton and are expected to expand to 674 kg per ha by 2019/20, still below the world average but closing the gap. While grain and oilseed prices are providing competition for area, growing yields mean cotton acreage should hold its own under stable prices. The additional area, coupled with yield growth, results in production of 7.1 mmt and net exports of 1.9 mmt by the end of the projection period.

World cotton spinning continues to concentrate in a small number of countries. China, India, Pakistan, and Turkey account for 72% of world mill use in 2009/10 and expand to 76% of world mill use by 2019/20. While mill use in China continues at a strong pace, use in other parts of developing Asia are anticipated to expand. Developed countries are likely to see continued declines in their consumption of raw cotton.

U.S. cotton production contracted again in 2009/10, falling to 2.7 mmt on weak yields of 865 kg/ha, and as area was further diverted to grains and oilseeds. Harvested area is anticipated to rise modestly in 2010/11. Cotton mill use in the United States, estimated at 0.74 mmt in 2009/10, has been falling for several years. U.S. mill use continues to contract, reaching 0.61 by the end of the projection period. With the loss of domestic consumers for their production, U.S. cotton farmers increasingly rely on world markets. Exports continue to be the dominant force in U.S. cotton demand, and imports expand throughout the projection period.

Cotton Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	-7	12	29	37	42	48	53	58	63	68	74
Australia	371	539	557	574	583	592	604	613	623	632	641
Brazil	384	421	431	455	481	485	514	554	594	647	702
India	1,243	1,292	1,234	1,275	1,362	1,462	1,557	1,658	1,754	1,850	1,946
Africa	611	624	615	615	614	618	624	627	631	635	638
Other CIS	331	260	263	266	272	275	279	283	288	292	296
Other Middle East	-18	-11	0	-1	-3	-4	-2	-1	0	1	1
United States	2,460	2,691	2,736	2,781	2,820	2,880	2,929	2,993	3,065	3,138	3,217
Uzbekistan	879	833	858	863	865	867	874	879	884	889	894
Total Net Exports *	6,362	6,753	6,788	6,927	7,097	7,286	7,493	7,726	7,965	8,216	8,476
Net Importers											
Canada	4	5	5	5	5	5	5	4	4	4	4
China	1,947	2,312	2,372	2,458	2,590	2,756	2,939	3,135	3,337	3,551	3,774
European Union	-6	20	29	27	26	22	18	15	13	10	8
Indonesia	448	491	474	483	479	479	479	480	481	482	482
Japan	60	62	56	53	49	43	39	35	31	27	22
Mexico	305	296	250	242	234	215	202	193	182	171	160
Other Asia	1,674	1,667	1,716	1,762	1,808	1,854	1,898	1,943	1,989	2,035	2,081
Other Europe	18	17	16	15	14	13	12	11	10	9	8
Other Latin America	210	212	210	214	216	218	219	221	223	224	226
Pakistan	474	502	524	543	561	580	601	624	647	673	699
Russia	147	140	133	126	120	113	106	99	93	86	79
Kazakhstan	-76	-81	-66	-61	-59	-59	-60	-62	-64	-65	-67
South Korea	215	224	216	206	198	188	179	170	162	153	144
Taiwan	179	177	174	172	169	166	163	161	158	154	150
Turkey	695	657	652	660	666	670	671	673	675	677	678
Residual	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40
Total Net Imports	6,362	6,753	6,788	6,927	7,097	7,286	7,493	7,726	7,965	8,216	8,476
Prices	(U.S. Dollars per Metric Ton)										
Cotlook A Index †											
CIF Far East	1,633	1,605	1,619	1,632	1,644	1,679	1,707	1,733	1,753	1,770	1,790
U.S. Farm Price	1,330	1,283	1,294	1,307	1,323	1,352	1,379	1,403	1,421	1,438	1,455

Source: Cotlook, Ltd., Liverpool, England.

* Total net exports are the sum of all positive net exports and negative net imports.

† The "A" index is the average of the five lowest CIF Northern European quotes of the following descriptions (Middling 1-3/32"): Memphis; Calif./Ariz.; Mexican; Central American; Paraguayan; Turkish Izmir/Antalya; Central Asian; Pakistani 1503; Indian H-4; Chinese 329; African "Franc Zone"; Tanzanian; Greek; and Australian.

Kazakhstan Cotton Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Area Harvested	120	155	127	119	(Thousand Hectares)						
					115	113	115	117	119	121	123
Yield	547	602	607	612	(Kilograms per Hectare)						
					617	622	627	632	637	642	647
Production	66	93	77	73	(Thousand Metric Tons)						
Beginning Stocks	50	29	29	29	71	71	72	74	76	78	80
Domestic Supply	116	122	106	102	29	30	30	30	31	31	31
Mill Use	11	11	11	11	11	12	12	12	12	12	12
Ending Stocks	29	29	29	29	30	30	30	31	31	31	32
Domestic Use	40	40	40	41	41	42	42	42	43	43	44
Net Trade	76	81	66	61	59	59	60	62	64	65	67
Loss	0	0	0	0	0	0	0	0	0	0	0

Mexican Cotton Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Area Harvested	70	112	121	124	(Thousand Hectares)						
					122	123	125	127	129	132	134
Yield	1,289	1,249	1,259	1,268	(Kilograms per Hectare)						
					1,278	1,288	1,297	1,307	1,317	1,327	1,336
Production	91	139	152	157	(Thousand Metric Tons)						
Beginning Stocks	168	145	161	152	155	158	162	166	170	175	179
Domestic Supply	259	285	313	309	147	142	132	125	120	116	111
Mill Use	413	414	406	398	389	377	367	359	352	345	337
Ending Stocks	145	161	152	147	142	132	125	120	116	111	107
Domestic Use	559	575	558	545	531	510	492	479	467	456	444
Net Trade	-305	-296	-250	-242	-234	-215	-202	-193	-182	-171	-160
Loss	5	5	5	5	5	5	5	5	5	5	5

Other Asian Cotton Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Area Harvested	323	349	356	356	(Thousand Hectares)						
					355	355	355	356	356	356	356
Yield	272	275	277	280	(Kilograms per Hectare)						
					282	285	287	290	292	295	297
Production	88	96	99	100	(Thousand Metric Tons)						
Beginning Stocks	327	337	341	343	100	101	102	103	104	105	106
Domestic Supply	415	433	440	442	345	347	348	349	351	353	354
Mill Use	1,742	1,750	1,803	1,850	445	448	450	452	455	458	460
Ending Stocks	337	341	343	345	1,897	1,944	1,989	2,035	2,081	2,128	2,176
Domestic Use	2,079	2,091	2,146	2,194	347	348	349	351	353	354	356
Net Trade	-1,674	-1,667	-1,716	-1,762	2,243	2,292	2,338	2,386	2,434	2,483	2,532
Loss	8	8	8	8	-1,808	-1,854	-1,898	-1,943	-1,989	-2,035	-2,081

WORLD SUGAR

World Sugar

World sugarcane harvested area increases by 1.3% in 2009/10, and world sugar beet harvested area declines by 0.2% as beet area drops in China, Russia, and Ukraine. By 2019/20, harvested area for sugarcane increases 15.4%, and sugar beet harvested area increases by 3.9% because significant reductions in beet area in the EU are more than offset by increases in other countries such as China and Russia. World sugar production (in raw sugar equivalence) increases 6.3%, to 153.3 mmt, in 2009/10, following an 11.3% decline in 2008/09. Sugar consumption increases 1.1%, to 155.8 mmt, in 2009/10. The higher consumption results in a 2.6 mmt deficit in the world sugar market. Total sugar production increases 24.2% and total consumption increases 21.9% over the decade. World sugar net trade increases 13.3% by 2019/20.

The production shortfall in 2009/10 results in a dramatic increase in the world sugar price. The price increases by 60.6%, from 15.9¢ per pound to 25.6¢ per pound. This is followed by a 25.6% decline in the following year. However, the world sugar price remains high over the projection period, reaching 20.4¢ per pound by 2019/20. This sustained higher world price is primarily the result of higher sugar imports in countries such as the EU, China, and Pakistan, and also increased production of ethanol from sugarcane, particularly in Brazil.

Brazil continues its record crop production in 2009/10, with sugarcane production increasing by 15.4 mmt, or 2.4%, as crop harvested area increases 2.6%. Less than half of the sugarcane produced (45%) goes to sugar production, while the rest goes to ethanol production. Sugar production increases by 9.8% in 2009/10 while sugar consumption declines by 4.1%, and net exports increase by almost 20%. Sugar production and consumption increase 18.5% and 26.8%, respectively, while net exports reach almost 28 mmt by 2019/20, an increase of 10.3%.

Thai sugarcane harvested area increases by 3% and sugarcane yields increase by 5.1% in 2009/10 because of favorable weather conditions. Consequently, sugarcane production increases by 8.3%. Sugar production increases by almost 7% in the same year while sugar consumption increases 5%, with higher consumption from both households and industry. Sugar production, consumption, and net exports increase 18.7%, 24.1%, and 12.8%, respectively, by 2019/20.

In 2007/08 and 2008/09, Indian sugar production was on the downward side of the country's persistent cyclical fluctuations in production. Despite lower sugarcane harvested area in 2009/10, sugar production increases by 7.3% because of higher yields. Sugar consumption falls by almost 3% in 2009/10. However, consumption is 6.2 mmt higher than production, which results in an increase in net imports from 2.6 mmt in 2008/09 to 6.0 mmt in 2009/10. Sugar production and consumption increase 75.5% and 26.4%, respectively, by 2019/20. With the projected recovery in 2010/11, India becomes a net exporter, with net exports increasing and then declining over the projection period.

Beet harvested area in the EU increases by 3.1% in 2009/10, after declining in the first three years of the CMO sugar reforms. As a result, sugar production increases by 14.1%, to 15.5 mmt, while consumption decreases by 1% in 2009/10, and net imports total 2 mmt. With over-quota sugar going into ethanol production, sugar production increases 5.4% and consumption increases 23.8% over the projection period. The EU continues to be a major importer of sugar, with net imports of 4 mmt by 2019/20.

Although Russia is the largest importer of sugar, accounting for 5.6% of world net trade, its net imports decline by 15.4% in 2009/10. With sugar production expanding by 34% and consumption by 5.7%, net imports decline over the projection period by nearly 47%. As a region, Asia is the largest importer, with China, Indonesia, Japan, Malaysia, and South Korea together accounting for 19% of world trade by 2019/20. Sugar production declines in China for the second consecutive year but is projected to recover, increasing by 22% by 2019/20. Net imports in Japan decline 13% by 2019/20, as Japanese sugar consumption declines by 1.6% while production increases by 11.4% over the decade.

Sugar Trade

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Net Exporters	(Thousand Metric Tons)										
Argentina	596	549	552	556	555	556	561	573	584	594	604
Australia	3,691	3,873	3,845	3,814	3,777	3,742	3,718	3,707	3,697	3,688	3,679
Brazil	25,357	21,443	21,085	21,512	22,675	23,670	24,464	25,119	26,072	26,963	27,963
Colombia	925	964	966	970	965	959	955	954	955	959	961
Cuba	510	773	832	868	882	891	904	920	930	937	940
Guatemala	1,515	1,717	1,696	1,720	1,750	1,784	1,823	1,868	1,909	1,949	1,985
India	-5,990	429	1,302	1,515	1,350	1,175	1,028	913	728	560	373
Mexico	-20	468	570	605	612	614	605	594	583	571	558
Philippines	160	131	197	205	185	161	141	126	108	89	67
South Africa	700	668	697	712	717	713	705	698	681	660	636
Thailand	5,800	5,882	5,937	6,008	6,072	6,143	6,219	6,298	6,374	6,457	6,541
Turkey	5	110	18	0	17	41	65	93	116	141	167
Total Net Exports *	39,259	37,005	37,698	38,483	39,557	40,451	41,188	41,862	42,736	43,568	44,475
Net Importers											
Algeria	1,100	1,249	1,285	1,324	1,364	1,397	1,421	1,445	1,471	1,497	1,523
Canada	1,408	1,469	1,469	1,484	1,501	1,509	1,522	1,539	1,557	1,574	1,593
China	835	1,881	1,682	1,629	1,651	1,675	1,698	1,716	1,749	1,785	1,822
Egypt	1,160	1,151	1,237	1,308	1,380	1,443	1,492	1,537	1,590	1,643	1,702
European Union	2,025	2,597	2,666	2,866	3,033	3,212	3,387	3,554	3,715	3,865	4,021
Indonesia	1,500	1,588	1,639	1,718	1,809	1,902	1,995	2,086	2,174	2,260	2,346
Iran	693	1,072	1,047	1,055	1,084	1,113	1,140	1,164	1,192	1,218	1,246
Japan	1,313	1,276	1,252	1,233	1,214	1,200	1,188	1,176	1,164	1,152	1,140
Malaysia	1,270	1,364	1,393	1,436	1,485	1,532	1,578	1,624	1,674	1,724	1,774
Morocco	700	737	761	796	835	874	911	947	985	1,024	1,064
Pakistan	730	905	971	1,023	1,125	1,219	1,302	1,380	1,476	1,572	1,675
Peru	45	78	85	106	138	170	200	230	265	301	341
Russia	2,200	2,447	2,253	2,165	2,117	2,062	1,998	1,926	1,863	1,797	1,733
South Korea	1,260	1,316	1,333	1,350	1,367	1,380	1,390	1,401	1,415	1,429	1,443
Ukraine	225	425	450	458	468	470	464	453	440	425	410
United States	2,002	2,082	2,186	2,223	2,233	2,237	2,230	2,220	2,211	2,202	2,191
Venezuela	450	535	468	463	478	494	504	513	526	540	555
Rest of World	11,453	11,952	12,642	12,966	13,395	13,684	13,888	14,071	14,389	14,679	15,015
Total Net Imports	39,259	37,005	37,698	38,483	39,557	40,451	41,188	41,862	42,736	43,568	44,475
Prices	(U.S. Dollars per Metric Ton)										
FOB Caribbean Price	564	420	430	434	431	434	440	448	449	451	450
New York Spot	647	552	543	553	556	563	565	565	566	567	566

Note: Sugar is in raw equivalent.

* Total net exports are the sum of all positive net exports and negative net imports.

World Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	4.50	4.52	4.50	4.51	4.53	4.55	4.58	4.60	4.62	4.65	4.67
					(Million Hectares)						
Yield	47.98	47.55	47.90	48.31	48.74	49.17	49.58	49.98	50.39	50.80	51.21
					(Metric Tons per Hectare)						
Production	216	215	215	218	221	224	227	230	233	236	239
					(Million Metric Tons)						
Sugarcane											
Area Harvested	24.69	25.84	25.59	25.88	26.21	26.51	26.87	27.29	27.71	28.11	28.49
					(Million Hectares)						
Yield	71.22	72.35	72.97	73.62	74.28	74.93	75.59	76.26	76.94	77.67	78.37
					(Metric Tons per Hectare)						
Production	1,758	1,870	1,868	1,905	1,947	1,986	2,031	2,081	2,132	2,183	2,233
					(Million Metric Tons)						
Sugar											
Production	153.26	164.79	165.20	168.01	171.39	174.49	177.48	180.44	183.76	187.00	190.38
Beginning Stocks	30.70	28.12	31.74	32.57	33.31	33.87	34.37	34.84	35.24	35.71	36.17
Domestic Supply	183.96	192.90	196.94	200.58	204.70	208.36	211.85	215.27	219.00	222.71	226.55
Consumption	155.84	161.16	164.37	167.27	170.83	173.99	177.02	180.03	183.29	186.54	189.90
Ending Stocks	28.12	31.74	32.57	33.31	33.87	34.37	34.84	35.24	35.71	36.17	36.65
Domestic Use	183.96	192.90	196.94	200.58	204.70	208.36	211.85	215.27	219.00	222.71	226.55
Net Trade	39.26	37.01	37.70	38.48	39.56	40.45	41.19	41.86	42.74	43.57	44.47

U.S. Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	463	512	471	463	465	466	468	465	464	464	465
					(Thousand Hectares)						
Yield	57.78	58.94	59.61	60.27	60.98	61.70	62.41	63.10	63.81	64.52	65.24
					(Metric Tons per Hectare)						
Production	26,779	30,153	28,083	27,935	28,326	28,747	29,189	29,343	29,605	29,925	30,318
					(Thousand Metric Tons)						
Sugarcane											
Area Harvested	332	342	346	338	337	336	336	335	333	332	331
					(Thousand Hectares)						
Yield	77.56	75.00	75.29	75.64	76.17	76.74	77.30	77.84	78.38	78.94	79.50
					(Metric Tons per Hectare)						
Production	25,760	25,686	26,017	25,528	25,632	25,796	25,964	26,067	26,133	26,220	26,321
					(Thousand Metric Tons)						
Sugar											
Production	7,110	7,846	7,600	7,552	7,661	7,784	7,912	7,986	8,073	8,173	8,287
Beginning Stocks	1,316	1,001	1,338	1,362	1,356	1,376	1,390	1,414	1,440	1,464	1,486
Domestic Supply	8,426	8,847	8,938	8,914	9,018	9,161	9,302	9,400	9,513	9,636	9,773
Consumption	9,428	9,591	9,762	9,780	9,874	10,007	10,117	10,181	10,260	10,353	10,450
Ending Stocks	1,001	1,338	1,362	1,356	1,376	1,390	1,414	1,440	1,464	1,486	1,514
Domestic Use	10,428	10,929	11,124	11,137	11,251	11,397	11,532	11,621	11,724	11,839	11,964
Net Trade	-2,002	-2,082	-2,186	-2,223	-2,233	-2,237	-2,230	-2,220	-2,211	-2,202	-2,191

Algerian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar	(Thousand Metric Tons)										
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	75	60	75	88	102	115	127	138	148	158	168
Domestic Supply	75	60	75	88	102	115	127	138	148	158	168
Consumption	1,115	1,235	1,272	1,311	1,351	1,384	1,411	1,435	1,461	1,487	1,513
Ending Stocks	60	75	88	102	115	127	138	148	158	168	178
Domestic Use	1,175	1,309	1,360	1,412	1,465	1,511	1,548	1,582	1,619	1,654	1,690
Net Trade	-1,100	-1,249	-1,285	-1,324	-1,364	-1,397	-1,421	-1,445	-1,471	-1,497	-1,523

Argentine Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane	(Thousand Hectares)										
Area Harvested	312	320	316	315	315	315	315	316	318	319	321
	(Metric Tons per Hectare)										
Yield	65.71	67.92	69.47	70.69	71.71	72.61	73.44	74.24	75.02	75.79	76.54
	(Thousand Metric Tons)										
Production	20,500	21,761	21,988	22,289	22,579	22,854	23,155	23,493	23,847	24,191	24,533
Sugar	(Thousand Metric Tons)										
Production	2,250	2,394	2,424	2,463	2,501	2,537	2,576	2,620	2,665	2,710	2,754
Beginning Stocks	216	150	162	167	171	175	178	181	184	187	190
Domestic Supply	2,466	2,544	2,586	2,630	2,672	2,712	2,754	2,801	2,849	2,897	2,944
Consumption	1,720	1,834	1,866	1,903	1,942	1,977	2,011	2,044	2,078	2,113	2,147
Ending Stocks	150	162	167	171	175	178	181	184	187	190	193
Domestic Use	1,870	1,995	2,033	2,074	2,117	2,155	2,193	2,228	2,265	2,303	2,340
Net Trade	596	549	552	556	555	556	561	573	584	594	604

Australian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	379	397	393	389	385	381	379	377	375	374	372
					(Thousand Hectares)						
Yield	84.43	85.25	85.88	86.44	86.96	87.45	87.93	88.42	88.90	89.39	89.86
					(Metric Tons per Hectare)						
Production	32,000	33,884	33,719	33,592	33,469	33,342	33,285	33,306	33,351	33,391	33,433
					(Thousand Metric Tons)						
Sugar											
Production	4,900	5,195	5,177	5,164	5,152	5,139	5,137	5,147	5,160	5,173	5,186
Beginning Stocks	451	410	437	449	457	465	471	476	480	486	490
Domestic Supply	5,351	5,605	5,613	5,613	5,609	5,604	5,608	5,623	5,641	5,659	5,677
Consumption	1,250	1,296	1,319	1,343	1,367	1,391	1,414	1,436	1,458	1,480	1,503
Ending Stocks	410	437	449	457	465	471	476	480	486	490	495
Domestic Use	1,660	1,732	1,768	1,800	1,832	1,862	1,890	1,916	1,944	1,971	1,998
Net Trade	3,691	3,873	3,845	3,814	3,777	3,742	3,718	3,707	3,697	3,688	3,679

Brazilian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	8,423	8,550	8,325	8,547	8,818	9,064	9,360	9,688	10,028	10,352	10,653
					(Thousand Hectares)						
Yield	78.47	79.63	80.07	80.68	81.43	82.21	83.01	83.81	84.64	85.56	86.47
					(Metric Tons per Hectare)						
Production	660,975	680,895	666,539	689,573	718,026	745,130	776,899	811,999	848,756	885,795	921,178
					(Thousand Metric Tons)						
Sugar											
Production	35,371	34,003	32,648	33,515	34,974	36,235	37,277	38,195	39,440	40,616	41,924
Beginning Stocks	1,995	1,000	2,060	1,868	1,849	1,849	1,843	1,831	1,820	1,820	1,819
Domestic Supply	37,366	35,003	34,708	35,383	36,823	38,083	39,119	40,026	41,260	42,436	43,743
Consumption	11,009	11,500	11,755	12,022	12,300	12,570	12,825	13,086	13,368	13,654	13,956
Ending Stocks	1,000	2,060	1,868	1,849	1,849	1,843	1,831	1,820	1,820	1,819	1,824
Domestic Use	12,009	13,561	13,623	13,872	14,148	14,413	14,655	14,906	15,188	15,473	15,780
Net Trade	25,357	21,443	21,085	21,512	22,675	23,670	24,464	25,119	26,072	26,963	27,963

Canadian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	14	14	14	14	14	14	14	14	14	14	14
Yield	52.81	55.41	56.87	57.88	58.69	59.43	60.15	60.85	61.56	62.27	62.97
Production	719	788	805	815	823	831	839	848	856	864	872
Sugar											
Production	100	110	112	114	115	116	117	119	120	121	122
Beginning Stocks	100	154	178	183	184	185	184	184	184	185	185
Domestic Supply	200	264	290	296	299	301	301	302	304	306	308
Consumption	1,454	1,555	1,576	1,596	1,615	1,626	1,640	1,657	1,677	1,695	1,714
Ending Stocks	154	178	183	184	185	184	184	184	185	185	186
Domestic Use	1,608	1,732	1,759	1,780	1,800	1,810	1,823	1,842	1,861	1,880	1,900
Net Trade	-1,408	-1,469	-1,469	-1,484	-1,501	-1,509	-1,522	-1,539	-1,557	-1,574	-1,593

Chinese Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	185	222	234	238	239	239	238	237	236	235	234
Yield	37.84	40.65	42.28	43.40	44.30	45.11	45.86	46.60	47.33	48.06	48.78
Production	7,000	9,034	9,896	10,337	10,591	10,760	10,895	11,026	11,155	11,278	11,400
Sugarcane											
Area Harvested	1,709	1,744	1,750	1,759	1,767	1,775	1,783	1,792	1,802	1,811	1,821
Yield	71.97	72.34	72.75	73.18	73.63	74.09	74.54	75.00	75.46	75.92	76.37
Production	123,000	126,185	127,335	128,697	130,097	131,479	132,899	134,404	135,950	137,499	139,071
Sugar											
Production	13,161	13,825	14,099	14,354	14,595	14,827	15,061	15,305	15,555	15,806	16,061
Beginning Stocks	3,464	2,047	2,257	2,333	2,372	2,401	2,421	2,434	2,445	2,457	2,468
Domestic Supply	16,625	15,872	16,356	16,687	16,967	17,228	17,482	17,739	18,000	18,262	18,529
Consumption	15,413	15,496	15,704	15,944	16,217	16,481	16,745	17,011	17,292	17,580	17,873
Ending Stocks	2,047	2,257	2,333	2,372	2,401	2,421	2,434	2,445	2,457	2,468	2,477
Domestic Use	17,460	17,753	18,037	18,316	18,618	18,902	19,180	19,456	19,749	20,048	20,351
Net Trade	-835	-1,881	-1,682	-1,629	-1,651	-1,675	-1,698	-1,716	-1,749	-1,785	-1,822

Colombian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	445	455	450	449	448	447	446	446	446	446	446
Yield	75.82	77.12	77.84	78.44	78.97	79.47	79.94	80.42	80.90	81.38	81.84
Production	33,740	35,066	35,055	35,220	35,383	35,521	35,678	35,865	36,077	36,307	36,533
Sugar											
Production	2,575	2,687	2,696	2,720	2,743	2,764	2,787	2,813	2,840	2,869	2,898
Beginning Stocks	125	170	190	196	199	200	200	201	201	201	201
Domestic Supply	2,700	2,857	2,886	2,916	2,942	2,964	2,987	3,013	3,041	3,070	3,099
Consumption	1,605	1,703	1,723	1,748	1,777	1,805	1,832	1,859	1,885	1,910	1,937
Ending Stocks	170	190	196	199	200	200	201	201	201	201	201
Domestic Use	1,775	1,893	1,920	1,946	1,977	2,005	2,032	2,059	2,086	2,111	2,138
Net Trade	925	964	966	970	965	959	955	954	955	959	961

Cuban Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	392	438	438	442	444	446	449	453	457	460	462
Yield	24.75	26.88	27.84	28.33	28.57	28.68	28.73	28.75	28.76	28.76	28.75
Production	9,694	11,762	12,209	12,515	12,686	12,782	12,887	13,020	13,138	13,223	13,281
Sugar											
Production	1,250	1,519	1,579	1,621	1,646	1,661	1,677	1,697	1,715	1,729	1,739
Beginning Stocks	55	85	92	98	104	111	118	124	129	136	142
Domestic Supply	1,305	1,604	1,671	1,719	1,750	1,772	1,795	1,821	1,844	1,865	1,882
Consumption	710	739	742	748	757	763	768	772	779	785	792
Ending Stocks	85	92	98	104	111	118	124	129	136	142	150
Domestic Use	795	831	840	851	868	881	891	901	914	927	942
Net Trade	510	773	832	868	882	891	904	920	930	937	940

Egyptian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20		
Sugar Beet													
Area Harvested	100	102	102	102	(Thousand Hectares)		102	103	103	104	105	105	106
Yield	42.94	44.97	46.19	47.00	(Metric Tons per Hectare)		47.61	48.13	48.61	49.06	49.50	49.93	50.36
Production	4,304	4,584	4,696	4,788	(Thousand Metric Tons)		4,867	4,940	5,018	5,101	5,184	5,266	5,348
Sugarcane													
Area Harvested	141	142	138	137	(Thousand Hectares)		136	136	136	137	138	139	139
Yield	96.96	99.91	101.69	103.13	(Metric Tons per Hectare)		104.45	105.72	106.98	108.24	109.51	110.77	112.03
Production	13,712	14,159	14,028	14,093	(Thousand Metric Tons)		14,219	14,375	14,583	14,836	15,096	15,349	15,596
Sugar													
Production	1,750	1,824	1,826	1,845	1,869	1,896	1,928	1,965	2,002	2,040	2,076		
Beginning Stocks	746	936	931	931	931	933	934	935	935	935	935	936	936
Domestic Supply	2,496	2,760	2,758	2,776	2,801	2,829	2,862	2,899	2,937	2,975	3,012		
Consumption	2,720	2,980	3,064	3,153	3,248	3,337	3,419	3,502	3,592	3,682	3,777		
Ending Stocks	936	931	931	931	933	934	935	935	935	936	937		
Domestic Use	3,656	3,912	3,995	4,084	4,181	4,271	4,353	4,437	4,527	4,618	4,714		
Net Trade	-1,160	-1,151	-1,237	-1,308	-1,380	-1,443	-1,492	-1,537	-1,590	-1,643	-1,702		

European Union Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20		
Sugar Beet													
Area Harvested	1,546	1,365	1,373	1,377	(Thousand Hectares)		1,384	1,389	1,393	1,398	1,403	1,409	1,413
Yield	64.76	65.15	65.61	66.10	(Metric Tons per Hectare)		66.60	67.10	67.62	68.16	68.70	69.25	69.79
Production	100,112	88,914	90,082	91,023	(Thousand Metric Tons)		92,143	93,174	94,220	95,298	96,393	97,539	98,637
Sugarcane													
Area Harvested	0.3	0.3	0.2	0.2	(Thousand Hectares)		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Yield	61.44	61.65	61.85	62.02	(Metric Tons per Hectare)		62.19	62.35	62.53	62.72	62.92	63.12	63.32
Production	18	16	15	14	(Thousand Metric Tons)		14	14	14	15	15	15	16
Sugar													
Production	15,485	14,629	14,830	14,994	15,188	15,367	15,549	15,736	15,927	16,126	16,317		
Beginning Stocks	2,175	3,185	3,219	3,153	3,076	2,994	2,912	2,831	2,749	2,667	2,584		
Domestic Supply	17,660	17,814	18,049	18,147	18,264	18,361	18,461	18,567	18,675	18,792	18,901		
Consumption	16,500	17,192	17,562	17,936	18,302	18,660	19,018	19,372	19,724	20,073	20,421		
Ending Stocks	3,185	3,219	3,153	3,076	2,994	2,912	2,831	2,749	2,667	2,584	2,502		
Domestic Use	19,685	20,411	20,715	21,012	21,296	21,573	21,848	22,121	22,390	22,658	22,923		
Net Trade	-2,025	-2,597	-2,666	-2,866	-3,033	-3,212	-3,387	-3,554	-3,715	-3,865	-4,021		

Guatemalan Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	240	256	259	262	264	266	268	270	271	273	274
					(Thousand Hectares)						
Yield	92.02	92.71	93.47	94.48	95.60	96.78	97.99	99.22	100.47	101.72	102.95
					(Metric Tons per Hectare)						
Production	22,054	23,757	24,214	24,758	25,267	25,737	26,226	26,752	27,274	27,768	28,242
					(Thousand Metric Tons)						
Sugar											
Production	2,250	2,434	2,492	2,559	2,623	2,684	2,746	2,813	2,881	2,945	3,008
Beginning Stocks	622	612	499	448	421	402	386	371	355	341	327
Domestic Supply	2,872	3,046	2,991	3,007	3,044	3,085	3,132	3,184	3,236	3,286	3,335
Consumption	745	831	847	867	892	916	938	960	986	1,011	1,037
Ending Stocks	612	499	448	421	402	386	371	355	341	327	312
Domestic Use	1,357	1,330	1,295	1,287	1,294	1,302	1,309	1,316	1,327	1,338	1,350
Net Trade	1,515	1,717	1,696	1,720	1,750	1,784	1,823	1,868	1,909	1,949	1,985

Indian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	4,250	4,939	5,016	5,055	5,081	5,103	5,130	5,165	5,199	5,232	5,264
					(Thousand Hectares)						
Yield	65.41	68.66	70.04	70.82	71.38	71.87	72.32	72.77	73.22	73.67	74.10
					(Metric Tons per Hectare)						
Production	278,000	339,086	351,325	357,972	362,686	366,746	371,056	375,857	380,712	385,389	390,028
					(Thousand Metric Tons)						
Sugar											
Production	17,300	25,850	26,845	27,416	27,842	28,219	28,616	29,053	29,496	29,927	30,356
Beginning Stocks	3,690	3,480	4,495	5,065	5,451	5,787	6,086	6,359	6,620	6,891	7,161
Domestic Supply	20,990	29,330	31,340	32,481	33,293	34,006	34,702	35,412	36,116	36,817	37,517
Consumption	23,500	24,406	24,973	25,515	26,156	26,745	27,315	27,880	28,497	29,096	29,709
Ending Stocks	3,480	4,495	5,065	5,451	5,787	6,086	6,359	6,620	6,891	7,161	7,436
Domestic Use	26,980	28,900	30,037	30,966	31,943	32,831	33,674	34,499	35,388	36,258	37,145
Net Trade	-5,990	429	1,302	1,515	1,350	1,175	1,028	913	728	560	373

Indonesian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	350	350	350	350	350	349	349	350	350	351	351
					(Thousand Hectares)						
Yield	76.00	77.33	77.92	78.16	78.23	78.24	78.22	78.19	78.16	78.13	78.09
					(Metric Tons per Hectare)						
Production	26,600	27,079	27,306	27,357	27,352	27,334	27,326	27,335	27,360	27,393	27,443
					(Thousand Metric Tons)						
Sugar											
Production	2,960	3,016	3,044	3,052	3,055	3,055	3,057	3,061	3,066	3,073	3,081
Beginning Stocks	340	400	437	459	476	492	507	521	534	547	560
Domestic Supply	3,300	3,416	3,481	3,512	3,531	3,547	3,564	3,582	3,601	3,620	3,642
Consumption	4,400	4,567	4,660	4,753	4,848	4,943	5,038	5,133	5,227	5,320	5,415
Ending Stocks	400	437	459	476	492	507	521	534	547	560	573
Domestic Use	4,800	5,004	5,120	5,229	5,340	5,449	5,559	5,667	5,775	5,881	5,987
Net Trade	-1,500	-1,588	-1,639	-1,718	-1,809	-1,902	-1,995	-2,086	-2,174	-2,260	-2,346

Iranian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	165	168	163	160	159	158	157	157	157	156	156
					(Thousand Hectares)						
Yield	33.39	33.70	34.00	34.32	34.65	34.98	35.30	35.63	35.97	36.30	36.63
					(Metric Tons per Hectare)						
Production	5,504	5,673	5,549	5,506	5,504	5,518	5,548	5,589	5,630	5,667	5,700
					(Thousand Metric Tons)						
Sugarcane											
Area Harvested	63	66	66	66	66	66	66	67	67	67	67
					(Thousand Hectares)						
Yield	87.83	88.16	88.61	89.15	89.74	90.34	90.94	91.55	92.17	92.80	93.40
					(Metric Tons per Hectare)						
Production	5,528	5,824	5,865	5,902	5,941	5,984	6,035	6,096	6,160	6,223	6,283
					(Thousand Metric Tons)						
Sugar											
Production	1,300	1,356	1,347	1,348	1,353	1,361	1,372	1,385	1,399	1,412	1,424
Beginning Stocks	407	200	346	409	442	465	483	500	516	532	548
Domestic Supply	1,707	1,556	1,693	1,757	1,796	1,826	1,855	1,885	1,915	1,944	1,972
Consumption	2,200	2,282	2,331	2,370	2,414	2,456	2,495	2,533	2,575	2,614	2,654
Ending Stocks	200	346	409	442	465	483	500	516	532	548	564
Domestic Use	2,400	2,628	2,740	2,813	2,879	2,939	2,995	3,049	3,107	3,162	3,219
Net Trade	-693	-1,072	-1,047	-1,055	-1,084	-1,113	-1,140	-1,164	-1,192	-1,218	-1,246

Japanese Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	69	70	70	70	71	71	71	71	71	71	71
Yield	59.30	59.70	60.14	60.57	60.99	61.41	61.82	62.24	62.67	63.11	63.53
Production	4,096	4,178	4,216	4,260	4,305	4,348	4,383	4,413	4,439	4,462	4,481
Sugarcane											
Area Harvested	24	24	24	24	24	25	25	25	25	25	25
Yield	53.95	53.79	53.43	52.98	52.48	51.97	51.45	50.93	50.42	49.92	49.40
Production	1,270	1,284	1,285	1,285	1,285	1,284	1,280	1,274	1,268	1,260	1,251
Sugar											
Production	939	960	971	983	995	1,007	1,017	1,025	1,033	1,040	1,046
Beginning Stocks	414	446	454	456	455	455	455	455	455	456	456
Domestic Supply	1,353	1,406	1,426	1,439	1,450	1,461	1,471	1,480	1,488	1,496	1,503
Consumption	2,220	2,228	2,222	2,216	2,210	2,207	2,204	2,200	2,196	2,191	2,186
Ending Stocks	446	454	456	455	455	455	455	455	456	456	457
Domestic Use	2,666	2,682	2,678	2,672	2,665	2,661	2,659	2,656	2,652	2,648	2,642
Net Trade	-1,313	-1,276	-1,252	-1,233	-1,214	-1,200	-1,188	-1,176	-1,164	-1,152	-1,140

Malaysian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	11	12	12	11	11	11	11	11	11	11	11
Yield	64.92	65.33	65.88	66.55	67.26	67.98	68.69	69.41	70.14	70.87	71.58
Production	702	761	759	759	759	758	759	762	764	766	767
Sugar											
Production	30	33	34	35	35	36	37	38	39	40	40
Beginning Stocks	71	101	118	123	125	127	129	130	131	133	134
Domestic Supply	101	134	152	158	161	163	166	168	170	172	175
Consumption	1,270	1,381	1,422	1,469	1,519	1,567	1,614	1,661	1,712	1,762	1,813
Ending Stocks	101	118	123	125	127	129	130	131	133	134	136
Domestic Use	1,371	1,499	1,545	1,594	1,646	1,696	1,744	1,792	1,844	1,896	1,949
Net Trade	-1,270	-1,364	-1,393	-1,436	-1,485	-1,532	-1,578	-1,624	-1,674	-1,724	-1,774

Mexican Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	663	689	684	682	683	686	689	692	695	698	701
Yield	66.49	70.94	72.80	73.64	74.09	74.37	74.59	74.80	75.02	75.22	75.42
Production	44,083	48,876	49,802	50,239	50,624	51,033	51,404	51,769	52,147	52,532	52,905
Sugar											
Production	5,400	6,036	6,175	6,255	6,328	6,404	6,477	6,549	6,622	6,698	6,772
Beginning Stocks	640	760	949	1,019	1,042	1,048	1,050	1,050	1,049	1,047	1,045
Domestic Supply	6,040	6,796	7,124	7,274	7,370	7,453	7,527	7,598	7,671	7,745	7,817
Consumption	5,300	5,379	5,535	5,627	5,709	5,788	5,872	5,956	6,041	6,128	6,215
Ending Stocks	760	949	1,019	1,042	1,048	1,050	1,050	1,049	1,047	1,045	1,044
Domestic Use	6,060	6,328	6,554	6,669	6,757	6,839	6,922	7,004	7,088	7,173	7,259
Net Trade	-20	468	570	605	612	614	605	594	583	571	558

Moroccan Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	58	61	61	61	61	60	60	60	60	60	59
Yield	50.83	51.20	51.54	51.84	52.10	52.34	52.58	52.81	53.05	53.29	53.52
Production	2,924	3,142	3,147	3,151	3,152	3,153	3,158	3,168	3,175	3,179	3,181
Sugarcane											
Area Harvested	13	14	14	14	14	14	14	14	14	14	14
Yield	65.85	67.38	68.32	68.92	69.31	69.57	69.77	69.94	70.10	70.24	70.38
Production	887	943	949	957	964	971	979	988	997	1,004	1,011
Sugar											
Production	550	590	592	594	596	597	600	603	605	607	609
Beginning Stocks	284	309	342	359	372	383	392	402	410	420	430
Domestic Supply	834	899	934	953	968	980	992	1,004	1,016	1,027	1,039
Consumption	1,225	1,294	1,335	1,377	1,420	1,462	1,502	1,540	1,581	1,622	1,663
Ending Stocks	309	342	359	372	383	392	402	410	420	430	439
Domestic Use	1,534	1,636	1,694	1,749	1,803	1,854	1,903	1,951	2,001	2,051	2,103
Net Trade	-700	-737	-761	-796	-835	-874	-911	-947	-985	-1,024	-1,064

Pakistani Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	4	4	4	4	4	4	3	3	3	3	3
Yield	23.18	23.15	23.14	23.17	23.20	23.24	23.28	23.33	23.38	23.43	23.47
Production	82	86	84	83	82	81	81	80	80	79	78
Sugarcane											
Area Harvested	1,020	1,034	1,009	1,007	1,007	1,005	1,005	1,008	1,009	1,010	1,010
Yield	49.02	49.60	50.16	50.74	51.32	51.89	52.48	53.08	53.68	54.28	54.86
Production	50,000	51,288	50,614	51,097	51,655	52,153	52,770	53,480	54,171	54,799	55,410
Sugar											
Production	3,520	3,621	3,584	3,628	3,678	3,724	3,778	3,839	3,900	3,956	4,011
Beginning Stocks	550	550	690	770	826	879	926	969	1,010	1,053	1,096
Domestic Supply	4,070	4,171	4,273	4,398	4,504	4,602	4,704	4,808	4,910	5,009	5,107
Consumption	4,250	4,387	4,475	4,595	4,751	4,896	5,037	5,179	5,333	5,485	5,643
Ending Stocks	550	690	770	826	879	926	969	1,010	1,053	1,096	1,139
Domestic Use	4,800	5,077	5,244	5,421	5,629	5,821	6,006	6,189	6,386	6,581	6,782
Net Trade	-730	-905	-971	-1,023	-1,125	-1,219	-1,302	-1,380	-1,476	-1,572	-1,675

Peruvian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	76	79	78	79	79	79	79	79	79	79	79
Yield	127.89	128.68	129.04	129.36	129.61	129.82	130.02	130.22	130.41	130.60	130.78
Production	9,720	10,156	10,114	10,162	10,189	10,198	10,218	10,252	10,281	10,297	10,304
Sugar											
Production	1,100	1,151	1,149	1,156	1,161	1,164	1,169	1,175	1,180	1,184	1,187
Beginning Stocks	95	60	86	92	93	94	94	94	94	94	94
Domestic Supply	1,195	1,211	1,234	1,248	1,254	1,258	1,262	1,268	1,274	1,278	1,281
Consumption	1,180	1,204	1,228	1,261	1,298	1,334	1,369	1,405	1,444	1,485	1,528
Ending Stocks	60	86	92	93	94	94	94	94	94	94	94
Domestic Use	1,240	1,290	1,319	1,354	1,392	1,428	1,463	1,498	1,538	1,579	1,622
Net Trade	-45	-78	-85	-106	-138	-170	-200	-230	-265	-301	-341

Philippine Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	390	401	394	392	392	393	395	398	401	404	407
					(Thousand Hectares)						
Yield	57.44	61.95	64.00	64.99	65.50	65.77	65.94	66.06	66.17	66.26	66.35
					(Metric Tons per Hectare)						
Production	22,400	24,836	25,204	25,479	25,680	25,836	26,030	26,278	26,534	26,773	27,011
					(Thousand Metric Tons)						
Sugar											
Production	2,200	2,443	2,483	2,514	2,538	2,557	2,580	2,608	2,638	2,666	2,693
Beginning Stocks	322	212	310	341	351	355	358	359	360	361	362
Domestic Supply	2,522	2,655	2,793	2,855	2,889	2,912	2,938	2,968	2,998	3,027	3,056
Consumption	2,150	2,214	2,256	2,299	2,348	2,394	2,438	2,481	2,529	2,576	2,625
Ending Stocks	212	310	341	351	355	358	359	360	361	362	364
Domestic Use	2,362	2,524	2,596	2,650	2,703	2,752	2,797	2,841	2,890	2,938	2,989
Net Trade	160	131	197	205	185	161	141	126	108	89	67

Russian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	900	986	1,011	1,028	1,042	1,054	1,067	1,081	1,094	1,107	1,120
					(Thousand Hectares)						
Yield	28.89	28.95	29.08	29.25	29.46	29.67	29.89	30.12	30.36	30.60	30.83
					(Metric Tons per Hectare)						
Production	26,000	28,557	29,393	30,078	30,692	31,288	31,907	32,556	33,222	33,887	34,547
					(Thousand Metric Tons)						
Sugar											
Production	3,350	3,682	3,793	3,884	3,967	4,047	4,130	4,217	4,307	4,397	4,486
Beginning Stocks	750	450	608	670	711	749	783	815	846	878	911
Domestic Supply	4,100	4,132	4,401	4,555	4,678	4,796	4,914	5,033	5,153	5,275	5,396
Consumption	5,850	5,972	5,984	6,009	6,046	6,074	6,096	6,112	6,137	6,161	6,186
Ending Stocks	450	608	670	711	749	783	815	846	878	911	943
Domestic Use	6,300	6,580	6,654	6,720	6,795	6,858	6,911	6,958	7,016	7,072	7,130
Net Trade	-2,200	-2,447	-2,253	-2,165	-2,117	-2,062	-1,998	-1,926	-1,863	-1,797	-1,733

South African Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	310	311	313	315	316	317	319	320	322	323	325
Yield	63.42	64.24	64.65	64.86	64.98	65.02	65.05	65.06	65.04	64.99	64.95
Production	19,660	19,981	20,212	20,404	20,543	20,643	20,738	20,841	20,932	21,004	21,075
Sugar											
Production	2,380	2,422	2,453	2,479	2,499	2,514	2,529	2,545	2,559	2,571	2,583
Beginning Stocks	97	92	126	153	180	207	235	261	287	314	341
Domestic Supply	2,477	2,514	2,579	2,633	2,679	2,722	2,764	2,806	2,846	2,885	2,924
Consumption	1,685	1,720	1,728	1,740	1,755	1,774	1,797	1,821	1,851	1,884	1,920
Ending Stocks	92	126	153	180	207	235	261	287	314	341	368
Domestic Use	1,777	1,846	1,881	1,920	1,962	2,009	2,058	2,108	2,166	2,225	2,288
Net Trade	700	668	697	712	717	713	705	698	681	660	636

South Korean Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	184	164	171	174	177	179	181	182	184	185	187
Domestic Supply	184	164	171	174	177	179	181	182	184	185	187
Consumption	1,280	1,310	1,330	1,347	1,365	1,378	1,389	1,400	1,414	1,427	1,441
Ending Stocks	164	171	174	177	179	181	182	184	185	187	189
Domestic Use	1,444	1,480	1,504	1,524	1,544	1,559	1,571	1,583	1,599	1,614	1,630
Net Trade	-1,260	-1,316	-1,333	-1,350	-1,367	-1,380	-1,390	-1,401	-1,415	-1,429	-1,443

Thai Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	1,030	1,071	1,088	1,096	1,102	1,105	1,108	1,112	1,115	1,118	1,122
Yield	69.90	69.75	69.94	70.39	71.00	71.67	72.38	73.13	73.90	74.69	75.46
Production	72,000	74,731	76,082	77,175	78,206	79,213	80,233	81,289	82,381	83,500	84,653
Sugar											
Production	7,700	8,000	8,152	8,277	8,395	8,511	8,629	8,750	8,876	9,005	9,138
Beginning Stocks	2,351	2,151	2,066	2,034	2,018	2,008	1,997	1,986	1,974	1,964	1,954
Domestic Supply	10,051	10,151	10,217	10,311	10,412	10,519	10,626	10,736	10,850	10,969	11,092
Consumption	2,100	2,203	2,246	2,286	2,333	2,378	2,422	2,465	2,512	2,558	2,606
Ending Stocks	2,151	2,066	2,034	2,018	2,008	1,997	1,986	1,974	1,964	1,954	1,945
Domestic Use	4,251	4,269	4,281	4,303	4,340	4,375	4,408	4,438	4,476	4,512	4,551
Net Trade	5,800	5,882	5,937	6,008	6,072	6,143	6,219	6,298	6,374	6,457	6,541

Turkish Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	325	330	327	329	334	340	346	352	359	365	371
Yield	46.15	46.27	46.52	46.89	47.29	47.70	48.10	48.51	48.92	49.34	49.74
Production	15,000	15,277	15,195	15,421	15,782	16,205	16,643	17,092	17,543	17,988	18,431
Sugar											
Production	2,100	2,143	2,135	2,170	2,225	2,289	2,355	2,423	2,491	2,559	2,626
Beginning Stocks	505	600	554	546	550	558	567	576	586	596	607
Domestic Supply	2,605	2,743	2,689	2,716	2,776	2,847	2,922	2,999	3,077	3,155	3,233
Consumption	2,000	2,079	2,125	2,166	2,201	2,239	2,281	2,320	2,365	2,407	2,449
Ending Stocks	600	554	546	550	558	567	576	586	596	607	617
Domestic Use	2,600	2,633	2,671	2,716	2,759	2,805	2,857	2,906	2,961	3,014	3,066
Net Trade	5	110	18	0	17	41	65	93	116	141	167

Ukrainian Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugar Beet											
Area Harvested	360	355	349	347	345	343	342	342	342	343	343
					(Thousand Hectares)						
Yield	30.00	31.40	32.38	33.10	33.69	34.20	34.66	35.10	35.53	35.96	36.38
					(Metric Tons per Hectare)						
Production	10,800	11,156	11,293	11,478	11,612	11,727	11,861	12,010	12,169	12,332	12,495
					(Thousand Metric Tons)						
Sugar											
Production	1,625	1,680	1,702	1,730	1,752	1,770	1,792	1,815	1,841	1,867	1,892
Beginning Stocks	250	200	198	217	245	277	311	346	381	416	451
Domestic Supply	1,875	1,880	1,899	1,947	1,997	2,048	2,103	2,161	2,221	2,282	2,343
Consumption	1,900	2,107	2,133	2,160	2,188	2,206	2,221	2,234	2,246	2,257	2,268
Ending Stocks	200	198	217	245	277	311	346	381	416	451	486
Domestic Use	2,100	2,305	2,350	2,405	2,465	2,517	2,566	2,614	2,662	2,708	2,754
Net Trade	-225	-425	-450	-458	-468	-470	-464	-453	-440	-425	-410

Venezuelan Sugar Supply and Utilization

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
Sugarcane											
Area Harvested	100	119	127	131	132	133	134	134	135	136	137
					(Thousand Hectares)						
Yield	70.37	70.91	71.03	71.09	71.15	71.23	71.33	71.44	71.55	71.66	71.76
					(Metric Tons per Hectare)						
Production	7,037	8,421	9,002	9,289	9,418	9,475	9,529	9,607	9,691	9,769	9,840
					(Thousand Metric Tons)						
Sugar											
Production	540	647	693	716	726	732	737	744	751	758	765
Beginning Stocks	193	100	157	175	188	201	213	223	234	244	255
Domestic Supply	733	747	850	891	915	933	950	967	985	1,003	1,020
Consumption	1,083	1,125	1,143	1,166	1,191	1,214	1,231	1,247	1,267	1,288	1,309
Ending Stocks	100	157	175	188	201	213	223	234	244	255	266
Domestic Use	1,183	1,282	1,318	1,354	1,392	1,427	1,454	1,480	1,511	1,543	1,575
Net Trade	-450	-535	-468	-463	-478	-494	-504	-513	-526	-540	-555

Per Capita Sugar Consumption of Selected Countries

	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20
	(Kilograms)										
Algeria	32.24	35.28	35.92	36.59	37.28	37.78	38.08	38.32	38.62	38.90	39.19
Argentina	41.60	43.90	44.24	44.67	45.14	45.52	45.89	46.22	46.58	46.95	47.31
Australia	58.10	59.53	59.92	60.30	60.74	61.12	61.48	61.79	62.13	62.45	62.77
Brazil	56.74	59.25	59.92	60.62	61.43	62.14	62.84	63.54	64.32	65.12	65.96
Canada	43.07	45.69	45.95	46.16	46.37	46.32	46.37	46.53	46.73	46.89	47.10
China	11.59	11.59	11.69	11.81	11.96	12.11	12.25	12.40	12.56	12.73	12.91
Colombia	36.31	38.09	38.09	38.20	38.42	38.61	38.79	38.96	39.13	39.28	39.45
Cuba	61.86	64.22	64.38	64.77	65.44	65.88	66.18	66.44	66.96	67.43	68.01
Egypt	33.80	36.31	36.61	36.96	37.37	37.71	37.96	38.21	38.54	38.87	39.24
European Union	33.51	34.88	35.61	36.34	37.07	37.78	38.49	39.21	39.92	40.64	41.36
Guatemala	54.98	60.11	60.05	60.31	60.93	61.39	61.77	62.12	62.67	63.19	63.77
India	20.03	20.52	20.72	20.90	21.16	21.37	21.56	21.75	21.97	22.18	22.40
Indonesia	18.11	18.59	18.78	18.95	19.14	19.33	19.51	19.70	19.88	20.06	20.24
Iran	32.82	33.71	34.09	34.31	34.59	34.82	35.01	35.19	35.41	35.62	35.84
Japan	17.51	17.61	17.62	17.63	17.65	17.69	17.75	17.80	17.86	17.91	17.97
Malaysia	48.55	51.89	52.55	53.39	54.30	55.11	55.85	56.57	57.38	58.16	58.94
Mexico	47.12	47.30	48.14	48.42	48.60	48.77	48.97	49.18	49.39	49.62	49.86
Morocco	38.73	40.48	41.32	42.18	43.05	43.86	44.62	45.32	46.07	46.83	47.59
Pakistan	23.97	24.38	24.50	24.79	25.26	25.67	26.04	26.40	26.82	27.21	27.63
Peru	39.46	39.78	40.10	40.72	41.49	42.18	42.84	43.51	44.30	45.11	45.98
Philippines	21.52	21.74	21.73	21.74	21.81	21.84	21.85	21.86	21.90	21.94	22.00
Russia	41.97	43.04	43.33	43.73	44.23	44.66	45.06	45.43	45.87	46.31	46.78
South Africa	34.31	35.11	35.40	35.81	36.27	36.75	37.18	37.63	38.22	38.87	39.56
South Korea	26.32	26.86	27.22	27.52	27.83	28.05	28.24	28.43	28.68	28.93	29.20
Thailand	31.62	32.98	33.44	33.85	34.36	34.86	35.34	35.81	36.34	36.86	37.41
Turkey	25.71	26.39	26.64	26.84	26.97	27.13	27.34	27.53	27.78	28.01	28.23
Ukraine	41.84	46.68	47.55	48.46	49.40	50.13	50.79	51.43	52.05	52.67	53.28
United States	30.39	30.62	30.87	30.63	30.63	30.74	30.78	30.68	30.63	30.61	30.61
Venezuela	39.78	40.70	40.75	40.98	41.27	41.46	41.46	41.45	41.56	41.71	41.86

WORLD BIOFUELS

World Ethanol

The world ethanol price increased 12.5% in 2008, to \$1.74 per gallon. It decreased 8%, to \$1.6 per gallon, in 2009 because of the 37% drop in crude oil prices coupled with an almost 60% reduction in U.S. ethanol net imports. The ethanol price increases almost 9% over the projection period, mostly because of higher ethanol demand from the U.S. brought about by the renewable fuels mandates. World net trade increased 10.8% in 2008 but declined 8.2% in 2009. As world demand for ethanol increases over the projection period, net trade is expected to rise 323.2%, reaching 4.1 billion gallons by 2019.

Brazil's ethanol production totaled almost 7 billion gallons in 2009, an increase of 0.9%. This translates into 333.3 mmt of sugarcane used in ethanol production. Production of ethanol in Brazil increases 96.8% by the end of the projection period, to 13.6 billion gallons. Sugarcane used in ethanol production increases 71.8%, reaching 572.8 mmt by 2019. Brazil's ethanol consumption increased in 2009 by 7.7%, to 6.4 billion gallons. Its ethanol consumption is projected to increase 48.7% by 2019. Brazil's net ethanol exports reach 4.1 billion gallons in 2019, an increase of 338.7%, partly because of the increase in U.S. ethanol import demand.

Ethanol production in the EU increased almost 45% in 2008 and 14% in 2009. EU ethanol production is projected to reach 1.8 billion gallons in 2019, an increase of 127.4%. Consumption in the EU increased 10.3% in 2009, to 1.1 billion gallons. It is expected to reach 2.5 billion gallons in 2019, an increase of 129.2% over the decade. Total EU biofuels consumption reaches nearly 4% of transport fuels in 2019. EU net imports rise from 279 million gallons in 2009 to 655 million gallons by 2019 as consumption increases more than production.

Chinese fuel ethanol production increased 15.3% in 2008, to 516 million gallons. Production is projected to continue to increase and reach 731.4 million gallons by 2019. Ethanol consumption in China increased from 414 billion gallons in 2007 to 448 million gallons in 2008. It increases 52.7%, to 744.9 million gallons, between 2008 and 2019. Net exports, which totaled 35 million gallons in 2008, are projected to decline over the projection period. By 2018, China switches to a net importer of ethanol, with net imports of 13.4 million gallons in 2019.

In India, ethanol is produced mainly from molasses, a co-product in sugar production from sugarcane. India's ethanol production decreased 32.6%, from 443 million gallons in 2008 to 298 million gallons in 2009, because of a decline in sugarcane production. Production rises to 634.9 million gallons in 2019, an increase of 112.9%. Consumption of ethanol in India was 473 million gallons in 2009 and is projected to increase 48.3%, to 702.1 million gallons, in 2019. India's net imports increase from 53 million gallons in 2009 to 75.7 million gallons in 2019.

Japanese net imports of ethanol declined 3.2%, from 123.6 million gallons in 2007 to 119.6 million gallons in 2008. Net imports are projected to increase 103.7%, to 243.7, by the end of the decade. Ethanol net imports in South Korea totaled 60.6 million gallons in 2005. They are projected to increase to almost 202 million gallons by 2019, an increase of 147.4% from the 2005 levels.

World Biodiesel

The world price of biodiesel (Central Europe FOB) increases to \$4.14 per gallon in 2010, driven by higher petroleum and vegetable oil prices. Lower exportable surpluses from Argentina as their B5 mandate is implemented and tariff barriers imposed by the EU (by far the dominant importer) on biodiesel originating from the U.S. also contribute to the price recovery. Increasing crude oil prices and the mandates in Argentina, Brazil, the EU, and the U.S. lead to price increases throughout the period. The world price reaches \$5.58 per gallon by 2019.

The EU is home to the world's largest biodiesel industry and markets. Both the implementation of antidumping and countervailing duties by the EU and the domestic consumption mandates boost demand for domestically produced biodiesel. In response to these stimuli, the local industry increases production by 5% in 2010, on top of the 36% expansion observed in the previous season. Production continues its expansion and reaches 3.5 billion gallons by 2019. Pushed by the biofuels target, consumption continues to grow during the outlook period, reaching 4.0 billion gallons in 2019. The biodiesel share of diesel in transport is, however, still only about 5.8%. Net imports grow steadily over the outlook period and reach 559 million gallons by 2019.

An export-oriented Argentine industry rapidly increased biodiesel production and exports from marginal production levels in 2006 to over 300 million gallons in 2009. This production continues its expansion path and reaches 464 million gallons by 2019. Implementation of the domestic B5 mandate in 2010, however, reduces the country's exportable surplus by 36% year on year. The ensuing growth in domestic consumption keeps net exports from expanding beyond 270 million gallons over the next decade.

Unlike in Argentina, most of the biodiesel production in Brazil has been motivated by domestic consumption mandates. This is expected to continue over the outlook period, and net exports remain at modest levels, not exceeding 80 million gallons. Consumption jumps in 2008, 2009, and 2010 because of the mandate (B2.5 by 2008, B3 and B4 by 2009, and B5 by 2010) and is expected to reach about 700 million gallons by 2019. While Brazil is striving to produce biodiesel from alternative vegetable oils, it is expected that soybean oil will remain the dominant feedstock.

The combined biodiesel production in Indonesia and Malaysia is expected to increase from about 100 million gallons in 2009 to 182 million gallons in 2019. Domestic production growth is constrained by rising palm oil prices and repeated delays in the implementation of and changes in the domestic consumption mandates in these countries. Given the uncertainty generated by these changes, no domestic consumption mandate was included in the present outlook.

Ethanol Trade

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Net Exporters	(Million Gallons)										
Brazil	945	1,124	1,324	1,430	1,553	1,736	2,089	2,599	3,118	3,660	4,148
China	35	37	23	23	17	11	7	6	0	-5	-13
Total Net Exports *	980	1,161	1,348	1,453	1,571	1,748	2,096	2,605	3,118	3,660	4,148
Net Importers	(U.S. Dollars per Gallon)										
Canada	171	194	220	236	253	266	277	281	290	297	308
European Union	279	315	373	407	457	491	517	546	581	613	655
India	53	91	89	89	88	87	86	80	78	75	76
Japan	137	149	162	172	183	194	204	213	223	233	244
South Korea	85	100	116	127	138	149	160	170	180	191	202
United States	180	226	291	317	333	432	715	1,168	1,606	2,077	2,470
ROW	75	85	97	107	118	128	139	149	159	170	180
Total Net Imports *	980	1,161	1,348	1,453	1,571	1,748	2,096	2,605	3,118	3,660	4,148
Prices	(U.S. Dollars per Gallon)										
Anhydrous Ethanol Price, Brazil †	1.60	1.61	1.46	1.53	1.52	1.54	1.57	1.67	1.69	1.74	1.74
Ethanol, FOB Omaha	1.79	1.74	1.77	1.78	1.79	1.83	1.89	1.92	1.92	1.93	1.93

Note: 1 gallon = 3.7857 liters; 1 metric ton = 1237.1644 liters.

* Total net exports are the sum of all positive net exports.

† Represents world ethanol price.

Biodiesel Trade

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Net Exporters	(Million Gallons)										
Argentina	331	216	247	263	271	274	274	272	270	268	265
Brazil	-1	-13	23	48	63	72	76	75	72	66	58
Indonesia	21	20	22	24	26	28	32	36	41	48	58
Malaysia	58	74	85	91	95	97	98	98	99	99	99
United States	157	24	5	2	12	20	21	25	49	83	122
Total Net Exports *	566	335	382	428	467	491	500	507	531	564	602
Net Importers	(U.S. Dollars per Gallon)										
European Union	375	269	333	380	419	443	452	460	485	519	559
Japan	17	17	15	15	15	15	15	15	15	14	13
ROW	174	35	34	34	33	33	33	32	31	30	30
Total Net Imports *	566	335	382	428	467	491	500	507	531	564	602
Prices	(U.S. Dollars per Gallon)										
Central Europe FOB Price †	3.89	4.14	4.40	4.61	4.75	4.74	4.83	4.98	5.18	5.39	5.58
Biodiesel Plant	3.50	3.67	3.75	3.94	3.99	4.01	4.10	4.22	4.32	4.41	4.41

Note: 1 gallon = 3.7857 liters; 1 metric ton = 1136.36 liters.

* Total net exports are the sum of all positive net exports.

† Represents world biodiesel price.

U.S. Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ethanol											
	(Million Gallons)										
Production	10,699	12,304	13,295	13,648	14,042	14,627	15,293	15,827	16,274	16,763	17,307
Consumption	10,888	12,407	13,525	13,945	14,355	15,030	15,974	16,966	17,855	18,813	19,749
Net Trade	-180	-226	-291	-317	-333	-432	-715	-1,168	-1,606	-2,077	-2,470
Feedstock in Ethanol Production											
	(Thousand Metric Tons)										
Corn	98,283	111,773	119,932	121,954	124,249	128,149	132,603	135,782	138,144	140,451	141,832
Corn Stover	3	37	142	265	305	301	299	296	293	458	1,401
Switchgrass	0	0	0	0	0	0	0	0	0	312	1,566
Biodiesel											
Production	578	715	846	962	1,018	1,025	1,058	1,149	1,238	1,292	1,324
Consumption	401	660	807	945	1,000	1,002	1,027	1,119	1,203	1,242	1,245
Net Trade	157	24	5	2	12	20	21	25	49	83	122
Feedstock in Biodiesel Production											
Soybean Oil	913	1,143	1,461	1,687	1,763	1,761	1,915	2,147	2,286	2,383	2,444
Canola Oil	20	20	19	22	22	22	23	24	23	22	22

Argentine Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Biodiesel											
	(Million Gallons)										
Production	326	384	418	438	449	455	459	461	462	463	464
Consumption	5	168	171	175	178	182	185	189	192	196	199
Net Trade	331	216	247	263	271	274	274	272	270	268	265
Feedstock in Biodiesel Production											
	(Thousand Metric Tons)										
Soybean Oil	1,102	1,296	1,406	1,466	1,498	1,513	1,519	1,520	1,519	1,516	1,513

Brazilian Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ethanol											
	(Million Gallons)										
Production	6,915	7,886	8,429	8,785	9,287	9,811	10,442	11,196	11,988	12,805	13,608
Consumption	6,365	6,646	7,015	7,389	7,739	8,079	8,362	8,608	8,877	9,151	9,461
Net Trade	945	1,124	1,324	1,430	1,553	1,736	2,089	2,599	3,118	3,660	4,148
Feedstock in Ethanol Production											
	(Thousand Metric Tons)										
Sugarcane	333,336	370,306	387,963	399,781	417,951	436,649	459,526	487,221	515,928	544,998	572,815
Biodiesel											
	(Million Gallons)										
Production	406	571	620	656	684	706	722	734	744	751	757
Consumption	396	585	597	608	621	633	646	659	672	685	699
Net Trade	-1	-13	23	48	63	72	76	75	72	66	58
Feedstock in Biodiesel Production											
	(Thousand Metric Tons)										
Soybean Oil	1,204	1,685	1,813	1,905	1,972	2,018	2,049	2,068	2,078	2,083	2,082

Canadian Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ethanol	(Million Gallons)										
Production	279	302	310	323	336	351	366	388	410	433	455
Consumption	450	496	530	558	589	617	643	669	700	730	763
Net Trade	-171	-194	-220	-236	-253	-266	-277	-281	-290	-297	-308
Feedstock in Ethanol Production	(Thousand Metric Tons)										
Wheat	868	935	955	989	1,025	1,065	1,106	1,165	1,224	1,286	1,345
Corn	2,017	2,177	2,230	2,315	2,406	2,504	2,607	2,753	2,900	3,052	3,200

Chinese Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ethanol	(Million Gallons)										
Production	542	563	575	594	611	630	649	671	691	712	731
Consumption	508	526	551	571	594	618	642	665	691	717	745
Net Trade	35	37	23	23	17	11	7	6	0	-5	-13
Feedstock in Ethanol Production	(Thousand Metric Tons)										
Wheat	1,643	1,695	1,723	1,770	1,813	1,858	1,906	1,960	2,008	2,058	2,105
Corn	3,911	4,046	4,122	4,246	4,359	4,478	4,603	4,745	4,873	5,006	5,131

European Union Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ethanol	(Million Gallons)										
Production	803	990	1,073	1,171	1,256	1,351	1,450	1,546	1,641	1,737	1,826
Consumption	1,082	1,304	1,446	1,577	1,713	1,842	1,967	2,092	2,222	2,350	2,481
Net Trade	-279	-315	-373	-407	-457	-491	-517	-546	-581	-613	-655
Feedstock in Ethanol Production	(Thousand Metric Tons)										
Wheat	3,900	4,864	5,305	5,826	6,197	6,647	7,108	7,487	7,962	8,414	8,736
Corn	1,800	2,440	2,598	2,810	2,994	3,188	3,420	3,659	3,853	4,056	4,229
Barley	500	749	796	856	916	983	1,047	1,108	1,161	1,223	1,296
Sugar Beet	9,240	11,963	12,891	13,820	14,896	15,962	17,002	18,170	19,082	20,045	21,265
Other	261	261	261	261	261	261	261	261	261	261	261
Biodiesel	(Million Gallons)										
Production	2,477	2,612	2,840	2,888	2,940	3,002	3,082	3,151	3,265	3,371	3,471
Consumption	2,867	2,883	3,175	3,270	3,361	3,447	3,536	3,612	3,752	3,892	4,032
Net Trade	-375	-269	-333	-380	-419	-443	-452	-460	-485	-519	-559
Feedstock in Biodiesel Production	(Thousand Metric Tons)										
Rapeseed Oil	5,994	6,478	7,074	7,227	7,394	7,640	7,857	8,036	8,323	8,593	8,853
Soybean Oil	1,070	1,044	1,138	1,150	1,170	1,194	1,223	1,249	1,293	1,333	1,370
Sunflower Oil	311	326	354	361	367	375	385	393	409	424	438

Indian Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ethanol	(Million Gallons)										
Production	298	419	450	476	497	519	542	568	590	614	635
Consumption	473	505	537	556	577	598	618	637	659	679	702
Net Trade	-53	-91	-89	-89	-88	-87	-86	-80	-78	-75	-76

Indonesian Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Biodiesel	(Million Gallons)										
Production	24	25	26	28	30	33	36	40	46	53	62
Consumption	3	5	4	4	4	4	4	4	4	5	5
Net Trade	21	20	22	24	26	28	32	36	41	48	58
Feedstock in Biodiesel Production	(Thousand Metric Tons)										
Palm Oil	84	87	92	98	105	114	126	140	159	184	217

Japanese Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ethanol	(Million Gallons)										
Net Trade	-137	-149	-162	-172	-183	-194	-204	-213	-223	-233	-244
Biodiesel	(Million Gallons)										
Net Trade	-17	-17	-15	-15	-15	-15	-15	-15	-15	-14	-13

South Korean Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ethanol	(Million Gallons)										
Net Trade	-85	-100	-116	-127	-138	-149	-160	-170	-180	-191	-202

Malaysian Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Biodiesel	(Million Gallons)										
Production	76	92	103	109	114	116	117	118	119	119	119
Consumption	18	18	18	18	18	19	19	20	20	20	20
Net Trade	58	74	85	91	95	97	98	98	99	99	99
Feedstock in Biodiesel Production	(Thousand Metric Tons)										
Palm Oil	265	322	359	382	397	405	409	412	414	416	417

Rest-of-World Biofuels Production and Consumption

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Ethanol	(Million Gallons)										
Net Trade	-75	-85	-97	-107	-118	-128	-139	-149	-159	-170	-180
Biodiesel	(Million Gallons)										
Net Trade	-174	-35	-34	-34	-33	-33	-33	-32	-31	-30	-30

WORLD MEAT

World Beef and Veal

World beef trade recovers and is projected to continue to grow by an average rate of 3.1% throughout the decade, ending at 6.7 mmt in 2019. Responding to the recovery in trade and the growth of the world price, beef production increases at an annual rate of 1.1% (0.6 mmt) in the next decade, reaching 58.9 mmt in 2019.

Australia loses 1.1 percentage points of market share. Brazil keeps the leading beef exporter position and further expands its market share by 6.4 points by 2019. Argentina loses 3.0 points of market share as it favors domestic use over exports, and India loses 0.4 points. Canada loses 2.0 percentage points of market share in beef trade, while New Zealand gains 0.5 points. China becomes a net importer over the projection period.

Export restrictions and depressed returns as well as a two-year drought lead to a smaller cattle herd and cause lower beef production in Argentina. But easing of export controls and rising cattle numbers coupled with currency depreciation throughout the next decade allow Argentina to expand its net exports in the outer years, with exports reaching 530 tmt in 2019.

Because of volume restrictions imposed by the EU and higher prices in some destinations, Brazil's beef exports decreased 10% in 2009. A rebound in economic growth and an expanding cattle herd allow recovery of 6% annually in the next decade, with exports reaching 2.75 mmt in 2019. Improvement in productivity, favorable domestic policies, aggressive promotion, and a weakening currency enhance Brazil's competitiveness.

With slightly lower production and reduced export market demand, Australian net beef exports decline a little in the short run. Over the rest of the period, Australia posts a 1.6% annual growth rate in its net exports. Exports of live animals grow by 4.3% annually, reaching 1.30 million head in 2019.

New Zealand benefited from the compromised SPS status of other beef exporters and a weakening currency as well as from growth in its dairy sector. Despite a decrease in 2010 because of lower production, exports continue to grow over the rest of the decade at 3.0% annually, reaching 666 tmt in 2019.

Uncertainty over COOL results in weaker Canadian cattle exports despite restoration of live cattle trade with the U.S. After a drop of 30% in 2009, exports slowly recover, ending at 1.20 million head in 2019. Meat trade is weak in the short to medium term. Beef net exports begin to increase in 2014 but reach only 221 tmt in 2019.

China has always exported beef in the past, although the volume has been small and declining. In the long run, however, because of economic growth and its accession to the WTO, China becomes a beef importer, with net imports reaching 36 tmt in 2019. Domestic production, restricted by poor genetics and limited good pastureland, is projected to grow 2.4% annually.

EU beef consumption dropped 0.5% in 2009 and will continue to revert to its long-term declining trend. With maximum decoupling of support in the beef sector, which began in 2007, and shrinking dairy animal numbers, beef production in the EU declines over the projection period. The EU was already a small net importer beginning in 2003 and continues in this position for the rest of the decade, importing 408 tmt in 2019.

Japan's beef imports are significantly reduced because of the higher world price, weak domestic economic conditions, and a crisis in consumer confidence. A 0.5% decline in production and a 1.4% growth in consumption fuel expansion of net imports. Imports grow at 2.0% and reach 803 tmt in 2019.

Beef and Veal Trade

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Net Exporters	(Thousand Metric Tons)										
Argentina	558	487	467	441	415	406	409	422	449	487	530
Australia	1,383	1,353	1,399	1,415	1,445	1,482	1,516	1,546	1,570	1,589	1,601
Brazil	1,700	1,988	2,012	2,168	2,352	2,494	2,624	2,704	2,745	2,754	2,747
Canada	205	186	175	157	155	166	184	193	200	213	221
China - Mainland	13	25	22	15	5	-4	-11	-17	-23	-29	-36
European Union	-310	-367	-358	-360	-364	-363	-373	-383	-392	-400	-408
India	675	739	756	765	764	760	753	750	752	758	765
New Zealand	514	496	531	547	570	594	613	629	644	656	666
Thailand	-1	-6	-3	-2	-1	-2	-4	-7	-10	-13	-15
Ukraine	-8	-11	-22	-33	-34	-29	-26	-23	-19	-15	-10
United States	-382	-366	-347	-327	-351	-378	-374	-327	-280	-244	-204
Total Net Exports *	5,088	5,302	5,390	5,552	5,763	5,969	6,176	6,333	6,460	6,570	6,659
Net Importers											
China - Hong Kong	145	147	149	152	155	158	161	164	167	171	174
Egypt	138	121	105	92	87	95	110	123	137	150	164
Indonesia	13	26	27	37	50	60	75	90	105	118	132
Japan	672	674	690	719	752	764	780	788	794	799	803
Mexico	255	301	350	406	459	501	539	573	611	653	697
Other CIS †	-39	-27	-25	-28	-29	-30	-29	-31	-33	-37	-44
Other Eastern Europe ‡	8	7	4	2	2	1	1	3	6	8	11
Paraguay	-2	0	-4	-15	-27	-38	-48	-58	-67	-76	-85
Philippines	108	115	119	127	137	146	157	168	179	191	203
Russia	688	738	759	792	813	816	828	838	838	833	829
South Africa	2	9	6	8	18	32	55	76	97	121	151
South Korea	290	271	259	255	255	260	271	285	304	325	349
Taiwan	110	113	117	120	124	128	132	137	141	145	150
Vietnam	0	12	12	14	16	20	25	30	36	41	46
Rest of World	1,958	2,018	2,063	2,104	2,146	2,214	2,256	2,299	2,322	2,314	2,277
Total Net Imports	5,088	5,302	5,390	5,552	5,763	5,969	6,176	6,333	6,460	6,570	6,659
Nebraska Direct	(U.S. Dollars per Metric Ton)										
Fed Steer Price	1,823	1,936	2,107	2,229	2,258	2,261	2,246	2,232	2,223	2,222	2,219

* Total net exports are the sum of all positive net exports and negative net imports.

† Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova Republic, Tajikistan, Turkmenistan, Uzbekistan.

‡ Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Yugoslavia.

World Pork

Recovering from a 12% drop in 2009, pork trade grows by 2.8% (122 tmt) annually in the next decade, reaching 5.52 mmt in 2019. Pork production increases in the next decade at a rate of 1.9% (1.85 mmt), reaching 115.46 mmt in 2019.

The EU loses 7.0 percentage points of market share, dropping from 30.3% to 23.3%. Also, the long-term competitiveness of the EU is not very promising, given its appreciating currency and strict animal welfare and environmental regulations. Canada's market share decreases by 6.4 percentage points, while the U.S. gains 13.2 percentage points. Despite SPS challenges, Brazil's long-term prospects are good, with new investments to improve infrastructure and raise productivity. Brazil's market share grows by 4.4 percentage points.

Hog inventory in Canada has declined since 2006. It begins to grow in 2011. A shrinking herd and lower industry returns cause lower production in the short run. Canada's exports of live hogs to the U.S. decline at 0.8%, reaching 5.93 million head in 2019, partly because of uncertainty about COOL. Pork net exports decline in the short run and stay at around 0.9 mmt over the baseline.

Brazil's pork exports grow by 9.0% annually, reaching 1.1 mmt in 2019. Improvement in productivity, favorable domestic policies, and a weakening currency improve Brazil's competitiveness in the world pork market.

Stimulated by increased export refunds, the EU's net exports jumped by 17.9% in 2008, but they decline after that and end at 1.2 mmt in 2019. Strict environmental regulations and animal welfare requirements limit the EU's long-term capability. Production is stable over the projection period, compared to the 0.2% growth in consumption.

Taiwan's pork production declined 11.7% between 1997 and 2008. Constrained by environmental pressures and high feed costs, production increases at 0.5%, which boosts net imports by 16% per year over the next decade. Recovery in the beef and poultry sectors impacts Japan's pork sector. Consumption increases slightly, at 0.5%, over the next decade, and production also increases, at 1.1%. As a result, net imports decline in the short run but turn around in 2013 and reach 1.2 mmt in 2019.

Consumption recovery boosted China's net imports in 2008, with domestic production and consumption increasing 4% and 5%, respectively. Over the next decade, production grows at 2.8%, falling slightly short of the 3.0% growth in consumption. China's exports have continued to decline, and the country becomes a net importer in 2014, as growth in imports exceeds growth in exports. Net imports expand to 138 tmt in 2019.

Pork Trade

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Net Exporters	(Thousand Metric Tons)										
Australia	-125	-126	-111	-103	-92	-86	-79	-73	-69	-66	-64
Brazil	560	652	795	830	834	860	887	907	957	1,010	1,071
Canada	960	862	896	925	932	916	893	858	829	831	844
European Union	1,200	1,153	851	807	917	1,055	1,144	1,250	1,282	1,267	1,220
Other CIS *	-6	-10	-24	-27	-23	-17	-10	-2	7	17	24
Thailand	0	1	6	13	23	26	30	36	41	43	46
United States	1,501	1,618	1,655	1,716	1,796	1,911	2,020	2,110	2,184	2,235	2,278
Total Net Exports †	4,301	4,409	4,335	4,393	4,543	4,788	4,998	5,186	5,328	5,436	5,523
Net Importers											
Argentina	28	31	38	44	49	55	60	65	71	77	83
China - Hong Kong	345	349	350	355	365	374	381	387	391	393	396
China - Mainland	-80	-120	-122	-87	-22	29	67	97	115	127	138
Indonesia	0	0	0	0	0	0	0	0	0	0	0
Japan	1,210	1,179	1,103	1,084	1,107	1,131	1,163	1,190	1,196	1,192	1,184
Mexico	514	534	523	534	578	634	698	767	822	867	905
New Zealand	2	5	6	7	8	8	8	8	8	9	9
Other Eastern Europe ‡	11	13	12	11	9	8	6	6	7	8	10
Paraguay	0	-4	-9	-14	-18	-20	-23	-25	-29	-34	-39
Philippines	42	54	53	70	92	126	158	192	231	274	319
Russia	749	759	794	743	689	665	614	559	522	487	451
South Korea	355	477	531	584	650	709	762	809	833	842	842
Taiwan	58	57	57	68	89	110	129	149	156	158	159
Ukraine	240	247	233	223	221	228	226	221	221	220	217
Vietnam	44	51	64	95	115	143	159	172	190	211	231
Rest of World	572	516	436	446	456	466	476	486	496	506	516
Total Net Imports	4,301	4,409	4,335	4,393	4,543	4,788	4,998	5,186	5,328	5,436	5,523
Barrow and Gilt Price, National	(U.S. Dollars per Metric Ton)										
Base 51-52% Lean Equivalent	909	1,056	1,185	1,233	1,178	1,135	1,108	1,093	1,113	1,152	1,189

* Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova Republic, Tajikistan, Turkmenistan, Uzbekistan.

† Total net exports are the sum of all positive net exports and negative net imports.

‡ Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Yugoslavia.

World Poultry

A lower TRQ in Russia reduces broiler trade in the short run, but trade recovers and grows at a rate of 1.3% annually. Total broiler production increases by 0.97 mmt, reaching 8.29 mmt in 2019.

The U.S. maintains its market share. The EU remains a net importer. Brazil loses 5.1 points of market share. After losing 59.4% of its exports because of AI, Thailand regains 2.6 points of market share in the next decade. Productivity improvements, product innovation, and a shift to higher-valued products enable Thailand to overcome SPS concerns and its higher cost of production. Australia gains 1.2 points of market share.

Over the rest of the decade, Brazil's net exports stay at around 3.6 mmt. Fiscal incentives and subsidies from local government continue to encourage large new investments in broiler production.

In 2009, Thailand's broiler sector began to recover from the AI crisis that caused a major export drop beginning in 2004. Recovery is helped by a new TRQ from the EU, expansion of integrated producers, productivity improvements (low feed conversion ratios), reduced processing costs, investment in production innovation, and a shift to higher-valued cooked products. Thailand's net exports increase by 6.5% annually, reaching 635 tmt in 2019.

The EU changed from a net exporter to a net importer in 2007 and it continues in this position. Its net poultry imports reach 29 tmt in 2019.

Under NAFTA, Mexico removed the global TRQ and its prohibitive out-quota rates. A safeguard agreement was reached with the U.S., whereby a TRQ for chicken leg quarters is imposed. The product is duty free, but out-quota is charged a 98.8% duty. The TRQ was removed in 2008. Strong domestic demand drives net imports to grow 2.0% annually and reach 577 tmt in 2019.

With its WTO accession, Taiwan removed its quota and replaced it with a "tariff-only regime" in 2005. As a result, imports are projected to increase 7.3% annually. They reach 116 tmt in 2019. A shift to differentiated local breeds sustains domestic production at a growth rate of 1.5% per year.

Russia imposes a lower TRQ of 0.78 mmt over the next decade. Over the outlook period, quota for imports is binding, as domestic production is encouraged and grows by 3.0%, exceeding the 1.7% growth in consumption. In the next decade, China's net imports grow rapidly, reaching 418 tmt in 2019.

Broiler Meat Trade

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Net Exporters	(Thousand Metric Tons)										
Australia	34	53	95	107	113	118	121	123	125	128	131
Brazil	3,657	3,706	3,636	3,605	3,602	3,587	3,575	3,556	3,577	3,578	3,579
European Union	10	-19	-23	-29	-29	-21	-21	-23	-25	-26	-29
Thailand	385	464	466	480	504	527	549	569	590	613	635
United States	3,048	2,778	2,834	2,913	2,982	3,053	3,131	3,229	3,332	3,442	3,536
Total Net Exports *	7,326	7,211	7,268	7,358	7,474	7,585	7,702	7,819	7,984	8,148	8,292
Net Importers											
Argentina	-169	-193	-203	-209	-210	-216	-223	-227	-234	-246	-255
Canada	-17	-10	-16	-17	-19	-23	-28	-27	-26	-26	-25
China - Mainland	120	101	128	162	204	246	282	318	352	385	418
China - Hong Kong	250	251	253	256	258	261	263	265	267	270	272
Egypt	6	8	11	15	19	25	32	40	50	62	76
India	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Indonesia	10	20	2	-8	-20	-34	-45	-53	-62	-74	-86
Japan	695	685	659	664	679	683	690	698	703	707	712
Mexico	480	467	463	451	439	438	442	462	495	535	577
New Zealand	-4	-7	-16	-19	-20	-21	-22	-23	-23	-24	-24
Other CIS †	208	206	208	206	204	203	200	196	191	185	165
Other Eastern Europe ‡	32	36	35	35	35	34	34	35	37	39	42
Paraguay	0	2	4	1	-2	-5	-8	-11	-14	-16	-19
Philippines	50	37	29	37	49	64	81	99	118	138	160
Russia	853	779	779	779	779	779	779	779	779	779	779
Saudi Arabia	615	618	627	647	660	670	681	694	703	711	720
South Africa	204	216	193	188	187	188	196	205	215	228	244
South Korea	52	50	59	65	65	64	64	63	65	66	69
Taiwan	67	80	88	94	97	101	103	107	110	113	116
Ukraine	192	134	119	117	125	133	142	149	154	151	147
Vietnam	190	175	171	176	181	186	192	198	204	210	216
Rest of World	3,302	3,328	3,414	3,436	3,463	3,491	3,503	3,490	3,517	3,544	3,552
Total Net Imports	7,326	7,211	7,268	7,358	7,474	7,585	7,702	7,819	7,984	8,148	8,292
	(U.S. Dollars per Metric Ton)										
U.S. 12-City Price	1,711	1,717	1,770	1,823	1,850	1,878	1,910	1,939	1,964	1,994	2,018

* Total net exports are the sum of all positive net exports and negative net imports.

† Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova Republic, Tajikistan, Turkmenistan, Uzbekistan.

‡ Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Yugoslavia.

U.S. Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	94.5	93.5	92.7	91.8	91.3	91.3	91.7	92.2	92.7	93.0	93.3
Hog Inventories (Beg.)	61.1	60.0	59.1	59.0	59.9	61.4	62.7	63.6	63.9	63.9	63.8
	(Thousand Head)										
Live Cattle Trade											
Export	60	72	76	83	92	106	128	134	137	139	142
Import	2,006	2,159	2,226	2,262	2,279	2,298	2,327	2,324	2,306	2,302	2,296
Live Hog Trade											
Export	22	59	61	60	59	57	55	56	59	61	63
Import	6,350	5,948	6,018	5,958	5,995	6,008	6,070	6,031	5,969	5,957	5,933
	(Thousand Metric Tons)										
Beef											
Production	11,819	11,607	11,564	11,475	11,440	11,419	11,571	11,791	11,998	12,180	12,346
Beginning Stocks	291	252	213	228	232	241	247	257	268	280	289
Domestic Supply	12,110	11,859	11,777	11,703	11,672	11,659	11,818	12,048	12,267	12,459	12,635
Consumption	12,240	12,012	11,896	11,798	11,782	11,790	11,934	12,107	12,267	12,413	12,542
Ending Stocks	252	213	228	232	241	247	257	268	280	289	297
Domestic Use	12,492	12,225	12,124	12,031	12,023	12,037	12,191	12,376	12,547	12,703	12,840
Net Trade	-382	-366	-347	-327	-351	-378	-374	-327	-280	-244	-204
Pork											
Production	10,443	10,296	10,269	10,398	10,672	10,997	11,268	11,445	11,546	11,616	11,705
Beginning Stocks	288	261	255	252	254	264	276	286	292	295	297
Domestic Supply	10,731	10,556	10,524	10,649	10,927	11,261	11,543	11,731	11,839	11,911	12,002
Consumption	8,968	8,683	8,618	8,679	8,866	9,075	9,237	9,329	9,359	9,379	9,425
Ending Stocks	261	255	252	254	264	276	286	292	295	297	299
Domestic Use	9,229	8,938	8,870	8,933	9,130	9,351	9,523	9,621	9,654	9,676	9,724
Net Trade	1,501	1,618	1,655	1,716	1,796	1,911	2,020	2,110	2,184	2,235	2,278
Broiler											
Production	15,945	16,172	16,510	16,844	17,173	17,489	17,810	18,147	18,497	18,858	19,231
Beginning Stocks	338	290	312	321	329	339	343	347	352	356	361
Domestic Supply	16,283	16,462	16,822	17,166	17,503	17,828	18,153	18,494	18,848	19,214	19,592
Consumption	12,945	13,373	13,666	13,923	14,182	14,432	14,675	14,913	15,160	15,411	15,690
Ending Stocks	290	312	321	329	339	343	347	352	356	361	366
Domestic Use	13,235	13,685	13,988	14,253	14,521	14,775	15,023	15,265	15,516	15,772	16,056
Net Trade	3,048	2,778	2,834	2,913	2,982	3,053	3,131	3,229	3,332	3,442	3,536
Turkey											
Production	2,528	2,534	2,593	2,664	2,729	2,780	2,820	2,850	2,871	2,888	2,904
Beginning Stocks	180	118	129	130	131	133	135	136	138	138	139
Domestic Supply	2,707	2,652	2,722	2,794	2,859	2,913	2,955	2,986	3,009	3,027	3,042
Consumption	2,353	2,281	2,337	2,396	2,453	2,499	2,532	2,553	2,567	2,574	2,581
Ending Stocks	118	129	130	131	133	135	136	138	138	139	139
Domestic Use	2,471	2,410	2,466	2,527	2,587	2,634	2,669	2,691	2,705	2,713	2,720
Net Trade	237	242	255	267	273	279	286	295	304	314	322
Producer Prices	(U.S. Dollars per Metric Ton)										
Nebraska Direct Fed Steers	1,823	1,936	2,107	2,229	2,258	2,261	2,246	2,232	2,223	2,222	2,219
Barrow and Gilt Price, National											
Base 51-52% Lean Equivalent	909	1,056	1,185	1,233	1,178	1,135	1,108	1,093	1,113	1,152	1,189
12-City Broiler Wholesale	1,711	1,717	1,770	1,823	1,850	1,878	1,910	1,939	1,964	1,994	2,018
Retail Prices	(U.S. Dollars per Kilogram)										
Beef	9.39	9.82	10.43	11.00	11.33	11.44	11.43	11.39	11.38	11.37	11.37
Pork	6.44	6.73	7.13	7.41	7.40	7.36	7.32	7.30	7.47	7.71	7.99
Broiler	3.92	4.01	4.15	4.30	4.40	4.49	4.57	4.64	4.70	4.77	4.82
Turkey	3.08	3.22	3.28	3.33	3.38	3.43	3.47	3.51	3.53	3.57	3.60

Argentine Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	54.3	50.2	49.1	48.3	47.9	47.8	48.0	48.4	48.8	49.4	50.1
Hog Inventories (Beg.)	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6
Beef	(Thousand Metric Tons)										
Production	3,200	3,011	2,990	2,979	2,979	2,998	3,030	3,073	3,127	3,189	3,256
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	3,200	3,011	2,990	2,979	2,979	2,998	3,030	3,073	3,127	3,189	3,256
Consumption	2,642	2,523	2,523	2,538	2,564	2,591	2,621	2,651	2,679	2,702	2,726
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	2,642	2,523	2,523	2,538	2,564	2,591	2,621	2,651	2,679	2,702	2,726
Net Trade	558	487	467	441	415	406	409	422	449	487	530
Pork	(Thousand Metric Tons)										
Production	225	227	228	230	231	232	234	235	237	238	239
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	225	227	228	230	231	232	234	235	237	238	239
Consumption	253	258	266	273	280	287	294	300	307	315	322
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	253	258	266	273	280	287	294	300	307	315	322
Net Trade	-28	-31	-38	-44	-49	-55	-60	-65	-71	-77	-83
Broiler	(Thousand Metric Tons)										
Production	1,500	1,542	1,581	1,619	1,653	1,688	1,724	1,758	1,795	1,834	1,872
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,500	1,542	1,581	1,619	1,653	1,688	1,724	1,758	1,795	1,834	1,872
Consumption	1,331	1,350	1,378	1,411	1,443	1,472	1,501	1,531	1,561	1,588	1,617
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,331	1,350	1,378	1,411	1,443	1,472	1,501	1,531	1,561	1,588	1,617
Net Trade	169	193	203	209	210	216	223	227	234	246	255
Prices	(Argentine Pesos per Kilogram)										
Beef - Farm	3.17	3.54	3.98	4.32	4.50	4.66	4.79	4.91	5.06	5.26	5.45
Pork - Farm	2.90	3.09	3.31	3.54	3.72	3.85	4.03	4.22	4.40	4.59	4.78
Broiler - Retail	5.55	6.02	6.59	7.07	7.43	7.82	8.25	8.65	9.10	9.65	10.16

Australian Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	27.3	27.4	27.7	27.9	28.2	28.7	29.1	29.5	29.9	30.1	30.2
Hog Inventories (Beg.)	2.2	2.2	2.3	2.2	2.3	2.3	2.3	2.3	2.2	2.2	2.2
Sheep Inventories (Beg.)	75.1	62.2	52.3	43.5	36.6	31.2	27.2	24.1	21.8	20.1	19.0
Live Cattle Trade	(Thousand Head)										
Export	910	915	1,017	1,044	1,087	1,126	1,159	1,191	1,226	1,265	1,304
Beef	(Thousand Metric Tons)										
Production	2,100	2,108	2,151	2,174	2,212	2,257	2,302	2,342	2,377	2,404	2,426
Beginning Stocks	115	87	88	87	87	87	87	87	88	88	88
Domestic Supply	2,215	2,195	2,239	2,260	2,299	2,344	2,389	2,430	2,464	2,492	2,513
Consumption	745	754	753	758	767	775	786	796	806	815	824
Ending Stocks	87	88	87	87	87	87	87	88	88	88	88
Domestic Use	832	841	840	845	854	862	873	884	894	903	912
Net Trade	1,383	1,353	1,399	1,415	1,445	1,482	1,516	1,546	1,570	1,589	1,601
Pork	(Thousand Metric Tons)										
Production	335	351	374	392	411	427	442	456	469	481	492
Beginning Stocks	33	26	26	26	26	26	26	26	26	26	26
Domestic Supply	368	377	400	418	437	453	468	482	495	507	518
Consumption	467	477	485	495	503	513	521	529	538	547	556
Ending Stocks	26	26	26	26	26	26	26	26	26	26	26
Domestic Use	493	503	511	521	529	539	547	555	564	573	582
Net Trade	-125	-126	-111	-103	-92	-86	-79	-73	-69	-66	-64
Broiler	(Thousand Metric Tons)										
Production	771	794	838	853	862	868	874	879	883	889	894
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	771	794	838	853	862	868	874	879	883	889	894
Consumption	737	742	743	746	748	751	753	756	758	760	763
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	737	742	743	746	748	751	753	756	758	760	763
Net Trade	34	53	95	107	113	118	121	123	125	128	131
Farm Prices	(Australian Cents per Kilogram)										
Beef Saleyard	290	265	307	320	325	326	325	324	324	326	327
Pork Saleyard	228	201	219	226	233	236	243	251	256	260	265
Retail Prices	(Australian Dollars per Kilogram)										
Beef	1,339	1,269	1,384	1,421	1,437	1,442	1,439	1,437	1,436	1,441	1,445
Pork	1,082	993	1,064	1,083	1,105	1,112	1,133	1,156	1,170	1,182	1,194
Poultry	385	339	366	370	376	382	389	396	402	409	416

Brazilian Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	200.2	201.2	202.5	205.8	209.5	213.2	216.7	219.4	221.4	222.8	223.7
Hog Inventories (Beg.)	33.8	36.1	38.0	38.1	38.1	38.7	39.5	40.0	40.2	40.2	40.1
Beef	(Thousand Metric Tons)										
Production	9,853	10,200	10,310	10,562	10,861	11,135	11,407	11,633	11,824	11,984	12,128
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	9,883	10,230	10,340	10,592	10,891	11,165	11,437	11,663	11,854	12,014	12,158
Consumption	8,153	8,212	8,298	8,394	8,509	8,641	8,783	8,929	9,079	9,229	9,381
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	9,883	10,230	10,340	10,592	10,891	11,165	11,437	11,663	11,854	12,014	12,158
Net Trade	1,700	1,988	2,012	2,168	2,352	2,494	2,624	2,704	2,745	2,754	2,747
Pork	(Thousand Metric Tons)										
Production	3,224	3,402	3,586	3,692	3,800	3,926	4,040	4,143	4,257	4,366	4,484
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	3,224	3,402	3,586	3,692	3,800	3,926	4,040	4,143	4,257	4,366	4,484
Consumption	2,664	2,750	2,790	2,862	2,966	3,066	3,153	3,236	3,300	3,356	3,413
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	2,664	2,750	2,790	2,862	2,966	3,066	3,153	3,236	3,300	3,356	3,413
Net Trade	560	652	795	830	834	860	887	907	957	1,010	1,071
Broiler	(Thousand Metric Tons)										
Production	11,143	11,441	11,524	11,612	11,692	11,759	11,823	11,888	11,961	12,040	12,118
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	11,143	11,441	11,524	11,612	11,692	11,759	11,823	11,888	11,961	12,040	12,118
Consumption	7,486	7,735	7,888	8,007	8,090	8,171	8,248	8,331	8,383	8,461	8,538
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	7,486	7,735	7,888	8,007	8,090	8,171	8,248	8,331	8,383	8,461	8,538
Net Trade	3,657	3,706	3,636	3,605	3,602	3,587	3,575	3,556	3,577	3,578	3,579
Prices	(Reals per Kilogram)										
Beef - Farm	6.41	6.11	6.83	7.45	7.80	8.05	8.25	8.42	8.61	8.82	9.01
Pork - Farm	4.21	3.80	4.12	4.55	4.89	5.11	5.43	5.76	6.04	6.29	6.54
Broiler - Wholesale	4.23	3.77	4.09	4.43	4.70	4.94	5.21	5.46	5.70	5.96	6.20

Canadian Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	13.2	12.8	12.4	12.1	12.0	12.0	12.1	12.1	12.1	12.2	12.2
Hog Inventories (Beg.)	12.2	10.6	9.7	8.9	9.3	9.9	10.3	10.2	10.3	10.2	10.1
	(Thousand Head)										
Live Cattle Trade											
Export	1,120	1,193	1,190	1,172	1,172	1,181	1,209	1,213	1,201	1,198	1,196
Import	50	51	52	52	52	52	51	50	51	51	51
Live Hog Trade											
Export	6,475	5,948	6,018	5,958	5,995	6,008	6,070	6,031	5,969	5,957	5,933
Import	2	2	2	2	2	2	2	2	2	2	2
	(Thousand Metric Tons)										
Beef and Veal											
Production	1,300	1,279	1,263	1,243	1,240	1,250	1,267	1,280	1,295	1,314	1,329
Beginning Stocks	35	50	50	50	50	50	50	50	50	50	50
Domestic Supply	1,335	1,329	1,313	1,293	1,290	1,300	1,317	1,329	1,345	1,364	1,380
Consumption	1,080	1,092	1,088	1,087	1,085	1,084	1,083	1,087	1,095	1,102	1,109
Ending Stocks	50	50	50	50	50	50	50	50	50	50	50
Domestic Use	1,130	1,143	1,138	1,136	1,135	1,134	1,133	1,137	1,145	1,152	1,159
Net Trade	205	186	175	157	155	166	184	193	200	213	221
Pork											
Production	1,790	1,645	1,681	1,721	1,747	1,747	1,735	1,712	1,691	1,699	1,717
Beginning Stocks	60	55	55	55	55	55	55	55	55	55	55
Domestic Supply	1,850	1,700	1,736	1,776	1,802	1,802	1,790	1,767	1,746	1,754	1,772
Consumption	835	783	784	796	815	831	842	854	862	868	873
Ending Stocks	55	55	55	55	55	55	55	55	55	55	55
Domestic Use	890	838	839	851	870	886	897	909	917	923	928
Net Trade	960	862	896	925	932	916	893	858	829	831	844
Broiler											
Production	980	996	1,035	1,057	1,072	1,088	1,108	1,120	1,131	1,146	1,162
Beginning Stocks	37	36	36	36	36	36	36	36	36	36	36
Domestic Supply	1,017	1,032	1,071	1,093	1,108	1,124	1,144	1,156	1,167	1,182	1,198
Consumption	964	986	1,019	1,040	1,053	1,065	1,080	1,092	1,105	1,120	1,136
Ending Stocks	36	36	36	36	36	36	36	36	36	36	36
Domestic Use	1,000	1,022	1,055	1,076	1,089	1,101	1,116	1,128	1,141	1,156	1,172
Net Trade	17	10	16	17	19	23	28	27	26	26	25
	(Canadian Dollars per Hundredweight)										
Prices											
Beef and Veal - Farm	94.5	92.5	100.4	104.3	105.5	107.1	110.2	110.5	108.7	108.4	108.2
Pork - Farm	61.4	66.5	74.9	76.5	72.7	70.7	71.4	71.0	71.6	74.1	76.8
Broiler - Wholesale	145.6	142.9	142.6	143.4	144.0	145.4	147.2	148.6	149.4	150.2	151.0

Chinese - Mainland Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	106	105	105	105	105	105	105	105	105	105	106
Hog Inventories (Beg.)	463	485	490	483	480	481	483	486	489	492	494
Sheep Inventories (Beg.)	171	171	167	163	159	155	152	150	147	145	143
Beef	(Thousand Metric Tons)										
Production	5,764	5,551	5,729	5,894	6,056	6,226	6,401	6,577	6,761	6,952	7,148
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	5,764	5,551	5,729	5,894	6,056	6,226	6,401	6,577	6,761	6,952	7,148
Consumption	5,751	5,526	5,707	5,879	6,051	6,229	6,412	6,595	6,784	6,981	7,184
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	5,751	5,526	5,707	5,879	6,051	6,229	6,412	6,595	6,784	6,981	7,184
Net Trade	13	25	22	15	5	-4	-11	-17	-23	-29	-36
Pork	(Thousand Metric Tons)										
Production	48,500	49,467	50,590	51,814	53,246	54,808	56,398	57,946	59,466	60,931	62,350
Beginning Stocks	0	120	120	120	120	120	120	120	120	120	120
Domestic Supply	48,500	49,587	50,710	51,934	53,366	54,928	56,518	58,066	59,586	61,051	62,470
Consumption	48,300	49,347	50,468	51,727	53,223	54,837	56,465	58,043	59,581	61,058	62,487
Ending Stocks	120	120	120	120	120	120	120	120	120	120	120
Domestic Use	48,420	49,467	50,588	51,847	53,343	54,957	56,585	58,163	59,701	61,178	62,607
Net Trade	80	120	122	87	22	-29	-67	-97	-115	-127	-138
Broiler	(Thousand Metric Tons)										
Production	12,100	12,380	12,701	13,021	13,336	13,654	13,965	14,250	14,521	14,770	14,998
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	12,100	12,380	12,701	13,021	13,336	13,654	13,965	14,250	14,521	14,770	14,998
Consumption	12,220	12,481	12,830	13,183	13,540	13,900	14,247	14,568	14,873	15,155	15,415
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	12,220	12,481	12,830	13,183	13,540	13,900	14,247	14,568	14,873	15,155	15,415
Net Trade	-120	-101	-128	-162	-204	-246	-282	-318	-352	-385	-418
Producer Prices	(Yuan per Kilogram)										
Beef	29.86	27.61	29.74	32.33	35.38	38.81	42.64	46.78	50.98	55.22	59.38
Pork	12.07	11.94	12.82	13.64	14.35	15.07	15.90	16.82	17.76	18.75	19.70
Poultry	13.47	13.38	14.04	14.72	15.45	16.25	17.17	18.16	19.14	20.15	21.10
Retail Prices	(Yuan per Kilogram)										
Beef	32.96	30.55	32.84	35.61	38.88	42.56	46.66	51.10	55.60	60.15	64.61
Pork	18.06	17.92	18.90	19.82	20.62	21.43	22.36	23.40	24.45	25.56	26.63
Poultry	13.73	13.64	14.30	14.99	15.71	16.52	17.44	18.43	19.41	20.42	21.38

Chinese - Hong Kong Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Thousand Head)										
Cattle Inventories (Beg.)	2	2	2	2	2	2	2	2	2	2	2
Hog Inventories (Beg.)	270	276	283	297	314	329	339	343	345	345	345
Live Animal Trade											
Cattle Import	185	180	170	158	148	140	134	129	125	121	117
Swine Import	1,550	1,509	1,464	1,422	1,377	1,345	1,324	1,302	1,282	1,265	1,246
Beef and Veal	(Thousand Metric Tons)										
Production	15	15	14	13	12	11	11	11	10	10	10
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	15	15	14	13	12	11	11	11	10	10	10
Consumption	160	162	163	165	167	169	172	175	178	181	184
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	160	162	163	165	167	169	172	175	178	181	184
Net Trade	-145	-147	-149	-152	-155	-158	-161	-164	-167	-171	-174
Pork											
Production	114	114	113	111	107	105	103	102	100	100	99
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	114	114	113	111	107	105	103	102	100	100	99
Consumption	459	464	463	466	473	479	484	489	492	493	495
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	459	464	463	466	473	479	484	489	492	493	495
Net Trade	-345	-349	-350	-355	-365	-374	-381	-387	-391	-393	-396
Broiler											
Production	10	18	21	22	22	22	22	23	23	23	24
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	10	18	21	22	22	22	22	23	23	23	24
Consumption	260	270	274	277	280	283	285	288	290	293	296
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	260	270	274	277	280	283	285	288	290	293	296
Net Trade	-250	-251	-253	-256	-258	-261	-263	-265	-267	-270	-272
Retail Prices	(Hong Kong Dollars per Kilogram)										
Beef	86.15	92.80	102.12	109.50	112.69	114.58	115.65	116.89	118.38	120.19	121.86
Pork	64.69	75.94	85.24	89.78	87.92	86.30	85.51	85.59	87.84	91.28	94.64
Broiler	59.25	59.77	61.91	64.27	65.80	67.22	68.78	70.34	71.79	73.33	74.68

Egyptian Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Million Head)						
Cattle Inventories (Beg.)	8.45	7.16	7.63	8.06	8.42	8.60	8.69	8.77	8.84	8.92	8.99
Beef and Veal					(Thousand Metric Tons)						
Production	450	487	518	545	569	580	586	592	596	601	606
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	450	487	518	545	569	580	586	592	596	601	606
Consumption	588	608	622	638	656	675	696	714	733	752	771
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	588	608	622	638	656	675	696	714	733	752	771
Net Trade	-138	-121	-105	-92	-87	-95	-110	-123	-137	-150	-164
Broiler											
Production	537	560	578	595	609	622	634	642	650	656	660
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	537	560	578	595	609	622	634	642	650	656	660
Consumption	543	568	590	610	629	647	665	682	700	718	737
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	543	568	590	610	629	647	665	682	700	718	737
Net Trade	-6	-8	-11	-15	-19	-25	-32	-40	-50	-62	-76
Retail Prices					(Pounds per Kilogram)						
Beef	50.27	51.76	54.58	56.58	57.00	57.01	56.72	57.02	57.29	57.75	58.13
Poultry	8.60	8.51	8.67	8.84	8.92	9.02	9.13	9.34	9.51	9.72	9.89

European Union Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	89	89	88	88	88	88	87	87	87	87	86
Hog Inventories (Beg.)	153	149	145	145	145	144	143	143	144	144	145
Beef and Veal	(Thousand Metric Tons)										
Production	8,000	7,975	7,971	7,966	7,967	7,981	7,975	7,977	7,977	7,975	7,972
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	8,000	7,975	7,971	7,966	7,967	7,981	7,975	7,977	7,977	7,975	7,972
Consumption	8,310	8,342	8,328	8,325	8,331	8,344	8,348	8,360	8,369	8,375	8,380
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	8,310	8,342	8,328	8,325	8,331	8,344	8,348	8,360	8,369	8,375	8,380
Net Trade	-310	-367	-358	-360	-364	-363	-373	-383	-392	-400	-408
Pork											
Production	22,000	21,886	21,696	21,727	21,864	22,018	22,142	22,291	22,390	22,455	22,489
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	22,000	21,886	21,696	21,727	21,864	22,018	22,142	22,291	22,390	22,455	22,489
Consumption	20,800	20,734	20,844	20,920	20,946	20,963	20,998	21,041	21,108	21,188	21,268
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	20,800	20,734	20,844	20,920	20,946	20,963	20,998	21,041	21,108	21,188	21,268
Net Trade	1,200	1,153	851	807	917	1,055	1,144	1,250	1,282	1,267	1,220
Broiler											
Production	8,620	8,698	8,729	8,772	8,832	8,895	8,939	8,982	9,023	9,061	9,094
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	8,620	8,698	8,729	8,772	8,832	8,895	8,939	8,982	9,023	9,061	9,094
Consumption	8,610	8,717	8,752	8,802	8,861	8,916	8,959	9,005	9,048	9,087	9,123
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	8,610	8,717	8,752	8,802	8,861	8,916	8,959	9,005	9,048	9,087	9,123
Net Trade	10	-19	-23	-29	-29	-21	-21	-23	-25	-26	-29
Lamb and Mutton											
Production	1,021	1,012	1,014	1,019	1,024	1,031	1,038	1,044	1,048	1,052	1,055
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,021	1,012	1,014	1,019	1,024	1,031	1,038	1,044	1,048	1,052	1,055
Consumption	1,283	1,275	1,278	1,284	1,291	1,298	1,305	1,310	1,315	1,318	1,322
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,283	1,275	1,278	1,284	1,291	1,298	1,305	1,310	1,315	1,318	1,322
Net Trade	-262	-263	-264	-265	-267	-267	-267	-267	-267	-267	-267
Farm Prices	(Euros per 100 Kilograms)										
Beef	319	314	316	320	325	330	334	338	341	344	347
Pork	142	144	143	144	148	154	157	160	161	161	161
Poultry	147	133	133	134	135	137	139	140	141	141	142
Sheep	449	449	446	444	444	448	446	446	445	444	444

Indian Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Million Head)						
Cattle Inventories (Beg.)	281	281	281	281	281	283	285	287	290	294	297
Beef and Veal					(Thousand Metric Tons)						
Production	2,660	2,810	2,850	2,889	2,923	2,958	2,994	3,034	3,078	3,123	3,169
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	2,660	2,810	2,850	2,889	2,923	2,958	2,994	3,034	3,078	3,123	3,169
Consumption	1,985	2,071	2,094	2,124	2,160	2,198	2,241	2,284	2,326	2,365	2,404
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,985	2,071	2,094	2,124	2,160	2,198	2,241	2,284	2,326	2,365	2,404
Net Trade	675	739	756	765	764	760	753	750	752	758	765
Broiler											
Production	2,550	2,629	2,704	2,774	2,841	2,901	2,960	3,016	3,073	3,127	3,180
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	2,550	2,629	2,704	2,774	2,841	2,901	2,960	3,016	3,073	3,127	3,180
Consumption	2,549	2,628	2,703	2,773	2,840	2,900	2,959	3,015	3,072	3,126	3,179
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	2,549	2,628	2,703	2,773	2,840	2,900	2,959	3,015	3,072	3,126	3,179
Net Trade	1	1	1	1	1	1	1	1	1	1	1
Prices					(Rupees per Kilogram)						
Beef - Farm	52.41	52.34	54.97	57.13	58.15	58.45	58.34	58.26	58.28	58.45	58.58
Poultry - Retail	94.02	90.85	91.17	92.26	93.56	94.66	95.87	96.99	98.01	99.14	100.08

Indonesian Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Million Head)						
Cattle Inventories (Beg.)	11.5	11.6	11.8	12.0	12.2	12.4	12.7	12.9	13.2	13.4	13.7
Hog Inventories (Beg.)	6.8	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9	8.1
Sheep Inventories (Beg.)	9.3	8.7	8.8	8.4	8.8	8.6	9.0	9.0	9.6	9.7	10.5
					(Thousand Head)						
Live Cattle Import	515	532	583	589	615	641	664	685	708	733	758
					(Thousand Metric Tons)						
Beef and Veal											
Production	464	461	471	480	487	493	501	508	515	522	528
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	464	461	471	480	487	493	501	508	515	522	528
Consumption	477	486	498	517	536	554	575	598	620	640	660
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	477	486	498	517	536	554	575	598	620	640	660
Net Trade	-13	-26	-27	-37	-50	-60	-75	-90	-105	-118	-132
Pork											
Production	578	592	608	622	633	643	653	663	674	683	692
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	578	592	608	622	633	643	653	663	674	683	692
Consumption	584	593	609	622	634	644	654	664	674	683	693
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	584	593	609	622	634	644	654	664	674	683	693
Net Trade	0	0	0	0	0	0	0	0	0	0	0
Broiler											
Production	890	915	965	1,013	1,056	1,094	1,133	1,171	1,209	1,249	1,288
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	890	915	965	1,013	1,056	1,094	1,133	1,171	1,209	1,249	1,288
Consumption	900	935	967	1,005	1,036	1,060	1,088	1,118	1,148	1,175	1,202
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	900	935	967	1,005	1,036	1,060	1,088	1,118	1,148	1,175	1,202
Net Trade	-10	-20	-2	8	20	34	45	53	62	74	86
					(Rupiah per Kilogram)						
Retail Prices											
Beef	65,401	63,211	68,025	72,022	74,003	75,031	75,489	75,953	76,535	77,334	78,063
Pork	19,270	18,184	18,640	19,463	20,164	20,495	21,058	21,685	22,151	22,539	22,933
Broiler	19,844	18,315	18,865	19,539	20,110	20,610	21,140	21,641	22,115	22,630	23,088

Japanese Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	4.42	4.43	4.41	4.40	4.37	4.34	4.31	4.28	4.24	4.21	4.17
Wagyu Cows (Beg.)	1.17	1.21	1.23	1.23	1.22	1.21	1.21	1.20	1.19	1.19	1.18
Dairy Cows (Beg.)	0.85	0.84	0.84	0.83	0.83	0.82	0.81	0.80	0.79	0.78	0.77
Hog Inventories (Beg.)	9.90	9.90	10.05	10.12	10.41	10.77	10.95	11.03	11.03	10.96	10.87
	(Thousand Metric Tons)										
Beef and Veal											
Production	525	516	518	519	518	517	514	511	507	504	500
Wagyu	221	227	236	242	246	249	250	250	250	250	249
Dairy	304	289	282	277	272	268	264	261	257	254	250
Beginning Stocks	115	123	122	121	121	121	121	121	122	122	122
Domestic Supply	640	639	640	640	639	638	635	632	629	626	622
Consumption	1,189	1,241	1,259	1,288	1,320	1,331	1,344	1,349	1,351	1,352	1,353
Wagyu	221	227	236	242	246	249	250	250	250	250	249
Dairy	303	289	282	277	272	268	264	261	257	254	250
Imported Beef	666	724	741	769	802	814	829	838	844	849	853
Ending Stocks	123	122	121	121	121	121	121	122	122	122	122
Wagyu	11	11	11	11	11	11	11	11	11	11	11
Dairy	24	23	23	23	23	23	23	23	23	23	23
Imported Beef	88	88	87	87	87	87	87	88	88	88	88
Domestic Use	1,312	1,363	1,381	1,409	1,441	1,452	1,465	1,471	1,473	1,475	1,475
Net Trade	-672	-674	-690	-719	-752	-764	-780	-788	-794	-799	-803
Pork											
Production	1,285	1,286	1,362	1,409	1,431	1,438	1,433	1,424	1,421	1,421	1,426
Beginning Stocks	237	238	228	222	222	224	226	227	228	227	226
Domestic Supply	1,522	1,524	1,590	1,631	1,653	1,663	1,659	1,652	1,649	1,648	1,652
Consumption	2,494	2,475	2,470	2,494	2,535	2,568	2,595	2,614	2,617	2,614	2,611
Ending Stocks	238	228	222	222	224	226	227	228	227	226	225
Domestic Use	2,732	2,703	2,692	2,715	2,759	2,794	2,823	2,842	2,844	2,840	2,836
Net Trade	-1,210	-1,179	-1,103	-1,084	-1,107	-1,131	-1,163	-1,190	-1,196	-1,192	-1,184
Broiler											
Production	1,260	1,263	1,292	1,293	1,280	1,274	1,263	1,251	1,238	1,226	1,214
Beginning Stocks	176	171	172	171	171	171	171	171	171	171	171
Domestic Supply	1,436	1,434	1,464	1,464	1,451	1,445	1,434	1,421	1,409	1,397	1,384
Consumption	1,960	1,947	1,952	1,957	1,959	1,957	1,953	1,948	1,941	1,933	1,926
Ending Stocks	171	172	171	171	171	171	171	171	171	171	171
Domestic Use	2,131	2,119	2,123	2,128	2,130	2,127	2,124	2,119	2,112	2,104	2,096
Net Trade	-695	-685	-659	-664	-679	-683	-690	-698	-703	-707	-712
	(Yen per Kilogram)										
Prices											
Wagyu Beef - Farm	1,892	1,734	1,647	1,587	1,535	1,527	1,535	1,541	1,545	1,553	1,559
Dairy Beef - Farm	867	996	1,010	1,029	1,041	1,061	1,083	1,100	1,114	1,128	1,142
Pork - Wholesale	425	456	491	496	476	469	466	465	471	482	492
Broiler - Wholesale	235	218	230	234	235	242	248	253	257	262	266
	(Yen per 100 Grams)										
Retail Prices											
Wagyu Beef	643	602	570	546	528	522	523	525	526	528	530
Dairy Beef	357	395	416	431	442	453	464	473	478	483	488
Imported Beef	192	193	211	218	217	218	217	216	215	215	215
Pork	163	172	182	184	178	176	175	175	176	180	182
Broiler	130	123	126	128	129	132	136	139	141	144	146

Mexican Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	22.7	22.2	21.7	21.3	21.1	21.1	21.2	21.5	21.7	21.9	22.0
Hog Inventories (Beg.)	9.3	9.5	9.4	9.1	9.2	9.5	9.7	9.8	9.8	9.7	9.5
	(Thousand Head)										
Live Cattle Trade											
Export	925	991	1,061	1,115	1,132	1,142	1,144	1,136	1,130	1,129	1,125
Import	15	37	45	58	77	106	150	163	168	172	177
Live Hog Import	10	47	49	48	47	45	43	44	47	49	51
	(Thousand Metric Tons)										
Beef and Veal											
Production	1,625	1,625	1,604	1,577	1,555	1,550	1,557	1,570	1,585	1,599	1,611
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,625	1,625	1,604	1,577	1,555	1,550	1,557	1,570	1,585	1,599	1,611
Consumption	1,880	1,926	1,955	1,983	2,014	2,051	2,095	2,143	2,196	2,252	2,308
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,880	1,926	1,955	1,983	2,014	2,051	2,095	2,143	2,196	2,252	2,308
Net Trade	-255	-301	-350	-406	-459	-501	-539	-573	-611	-653	-697
Pork											
Production	1,150	1,164	1,197	1,226	1,238	1,238	1,227	1,210	1,200	1,198	1,202
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,150	1,164	1,197	1,226	1,238	1,238	1,227	1,210	1,200	1,198	1,202
Consumption	1,664	1,699	1,721	1,760	1,816	1,872	1,925	1,978	2,023	2,064	2,107
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,664	1,699	1,721	1,760	1,816	1,872	1,925	1,978	2,023	2,064	2,107
Net Trade	-514	-534	-523	-534	-578	-634	-698	-767	-822	-867	-905
Broiler											
Production	2,810	2,900	3,009	3,106	3,183	3,249	3,314	3,370	3,427	3,483	3,539
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	2,810	2,900	3,009	3,106	3,183	3,249	3,314	3,370	3,427	3,483	3,539
Consumption	3,290	3,366	3,472	3,557	3,621	3,687	3,756	3,832	3,922	4,018	4,117
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	3,290	3,366	3,472	3,557	3,621	3,687	3,756	3,832	3,922	4,018	4,117
Net Trade	-480	-467	-463	-451	-439	-438	-442	-462	-495	-535	-577
	(New Pesos per Kilogram)										
Prices											
Beef and Veal - Wholesale	35.41	35.41	38.79	41.63	42.95	43.95	44.50	44.52	44.62	44.89	45.12
Pork - Wholesale	25.27	27.56	31.05	32.74	31.89	31.40	31.25	31.05	31.80	33.09	34.35
Poultry - Retail	21.93	20.91	21.58	22.39	23.03	23.74	24.47	24.91	25.31	25.77	26.16

New Zealand Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Million Head)						
Cattle Inventories (Beg.)	9.72	9.81	9.93	10.05	10.23	10.41	10.55	10.67	10.76	10.82	10.87
Hog Inventories (Beg.)	0.36	0.39	0.40	0.41	0.41	0.42	0.43	0.44	0.45	0.46	0.47
Beef and Veal					(Thousand Metric Tons)						
Production	634	616	649	664	687	711	732	748	763	776	787
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	634	616	649	664	687	711	732	748	763	776	787
Consumption	120	120	118	117	117	118	118	119	120	120	121
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	120	120	118	117	117	118	118	119	120	120	121
Net Trade	514	496	531	547	570	594	613	629	644	656	666
Pork											
Production	51	50	51	52	53	54	56	57	58	59	60
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	51	50	51	52	53	54	56	57	58	59	60
Consumption	53	55	57	59	61	62	63	65	66	68	69
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	53	55	57	59	61	62	63	65	66	68	69
Net Trade	-2	-5	-6	-7	-8	-8	-8	-8	-8	-9	-9
Poultry											
Production	150	157	167	172	176	179	182	185	188	190	193
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	150	157	167	172	176	179	182	185	188	190	193
Consumption	146	151	151	153	156	158	160	162	165	167	169
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	146	151	151	153	156	158	160	162	165	167	169
Net Trade	4	7	16	19	20	21	22	23	23	24	24
Farm Prices					(New Zealand Dollars per 100 Kilograms)						
Beef and Veal	433	398	468	506	513	516	515	514	514	516	518
Pork	459	403	407	415	412	416	416	416	416	416	416
Poultry	255	225	248	259	263	268	273	277	282	287	291

Other CIS Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	25.3	26.0	26.3	27.1	27.7	28.3	28.9	29.4	30.0	30.5	31.0
Hog Inventories (Beg.)	5.8	5.5	5.4	5.4	5.5	5.6	5.7	5.8	6.0	6.1	6.2
Beef and Veal	(Thousand Metric Tons)										
Production	1,650	1,657	1,672	1,694	1,717	1,740	1,762	1,786	1,809	1,834	1,861
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,650	1,657	1,672	1,694	1,717	1,740	1,762	1,786	1,809	1,834	1,861
Consumption	1,611	1,630	1,647	1,666	1,688	1,711	1,733	1,755	1,776	1,797	1,817
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,611	1,630	1,647	1,666	1,688	1,711	1,733	1,755	1,776	1,797	1,817
Net Trade	39	27	25	28	29	30	29	31	33	37	44
Pork											
Production	675	671	666	672	685	701	717	733	751	769	786
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	675	671	666	672	685	701	717	733	751	769	786
Consumption	681	681	691	699	708	718	727	736	744	753	761
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	681	681	691	699	708	718	727	736	744	753	761
Net Trade	-6	-10	-24	-27	-23	-17	-10	-2	7	17	24
Broiler											
Production	320	326	336	349	362	375	389	404	419	435	466
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	320	326	336	349	362	375	389	404	419	435	466
Consumption	528	532	544	554	566	578	589	600	610	620	630
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	528	532	544	554	566	578	589	600	610	620	630
Net Trade	-208	-206	-208	-206	-204	-203	-200	-196	-191	-185	-165

Countries included: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova Republic, Tajikistan, Turkmenistan, Uzbekistan.

Other Eastern European Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	1.92	1.80	1.85	1.88	1.91	1.94	1.96	1.96	1.95	1.93	1.92
Hog Inventories (Beg.)	2.61	2.07	2.14	2.21	2.29	2.37	2.45	2.50	2.52	2.53	2.53
	(Thousand Metric Tons)										
Beef and Veal											
Production	106	108	110	112	114	116	117	117	116	115	115
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	106	108	110	112	114	116	117	117	116	115	115
Consumption	115	114	114	115	116	117	119	121	122	124	125
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	115	114	114	115	116	117	119	121	122	124	125
Net Trade	-8	-7	-4	-2	-2	-1	-1	-3	-6	-8	-11
Pork											
Production	86	88	91	94	97	100	104	106	107	107	107
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	86	88	91	94	97	100	104	106	107	107	107
Consumption	99	101	102	104	106	108	110	112	114	115	117
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	99	101	102	104	106	108	110	112	114	115	117
Net Trade	-11	-13	-12	-11	-9	-8	-6	-6	-7	-8	-10
Broiler											
Production	69	70	72	74	76	79	81	82	83	82	82
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	69	70	72	74	76	79	81	82	83	82	82
Consumption	105	106	108	110	112	113	115	117	120	122	124
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	105	106	108	110	112	113	115	117	120	122	124
Net Trade	-32	-36	-35	-35	-35	-34	-34	-35	-37	-39	-42

Countries included: Albania, Bosnia and Herzegovina, Croatia, Macedonia, Yugoslavia.

Paraguayan Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Million Head)						
Cattle Inventories (Beg.)	10.5	10.6	10.9	11.4	12.0	12.7	13.3	13.8	14.4	15.0	15.6
Hog Inventories (Beg.)	1.6	1.7	1.7	1.9	1.9	2.0	2.1	2.2	2.2	2.3	2.4
Beef and Veal					(Thousand Metric Tons)						
Production	220	223	229	241	253	266	279	291	303	315	327
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	220	223	229	241	253	266	279	291	303	315	327
Consumption	218	223	225	226	226	228	231	233	236	239	243
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	218	223	225	226	226	228	231	233	236	239	243
Net Trade	2	0	4	15	27	38	48	58	67	76	85
Pork											
Production	105	109	115	122	127	132	137	141	146	152	159
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	105	109	115	122	127	132	137	141	146	152	159
Consumption	105	105	106	107	110	112	114	116	117	118	120
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	105	105	106	107	110	112	114	116	117	118	120
Net Trade	0	4	9	14	18	20	23	25	29	34	39
Broiler											
Production	43	42	42	45	49	52	56	59	63	66	69
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	43	42	42	45	49	52	56	59	63	66	69
Consumption	43	44	46	46	47	47	48	48	49	50	51
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	43	44	46	46	47	47	48	48	49	50	51
Net Trade	0	-2	-4	-1	2	5	8	11	14	16	19

Philippine Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Million Head)						
Cattle Inventories (Beg.)	5.5	5.4	5.4	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.8
Hog Inventories (Beg.)	15.9	18.1	19.9	21.1	22.1	22.8	23.5	24.0	24.4	24.7	25.0
					(Thousand Head)						
Live Cattle Trade											
Import	40	43	47	49	52	55	58	61	64	68	73
					(Thousand Metric Tons)						
Beef and Veal											
Production	220	220	224	227	229	232	235	238	241	243	245
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	220	220	224	227	229	232	235	238	241	243	245
Consumption	328	335	343	354	366	378	392	406	420	434	448
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	328	335	343	354	366	378	392	406	420	434	448
Net Trade	-108	-115	-119	-127	-137	-146	-157	-168	-179	-191	-203
Pork											
Production	1,225	1,261	1,294	1,318	1,338	1,349	1,361	1,371	1,378	1,384	1,388
Beginning Stocks	0	0	11	11	11	11	11	11	11	11	11
Domestic Supply	1,225	1,261	1,305	1,329	1,349	1,360	1,372	1,382	1,389	1,395	1,399
Consumption	1,267	1,304	1,347	1,388	1,430	1,475	1,519	1,563	1,609	1,657	1,707
Ending Stocks	0	11	11	11	11	11	11	11	11	11	11
Domestic Use	1,267	1,315	1,358	1,399	1,441	1,486	1,530	1,574	1,620	1,668	1,718
Net Trade	-42	-54	-53	-70	-92	-126	-158	-192	-231	-274	-319
Broiler											
Production	725	768	803	824	840	853	865	877	888	899	909
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	725	768	803	824	840	853	865	877	888	899	909
Consumption	775	805	832	861	889	917	946	976	1,006	1,036	1,069
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	775	805	832	861	889	917	946	976	1,006	1,036	1,069
Net Trade	-50	-37	-29	-37	-49	-64	-81	-99	-118	-138	-160
Farm Prices					(Pesos per Kilogram)						
Beef and Veal	76.11	77.80	82.40	85.59	87.08	87.94	88.32	88.77	89.37	90.23	91.10
Pork	82.61	81.88	84.42	88.21	91.55	93.23	96.21	99.64	102.28	104.59	107.05
Poultry	81.65	80.29	82.77	85.05	87.09	89.14	91.37	93.57	95.72	98.14	100.42

Saudi Arabian Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Broiler	(Thousand Metric Tons)										
Production	570	602	633	655	677	695	712	729	746	764	781
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	570	602	633	655	677	695	712	729	746	764	781
Consumption	1,185	1,219	1,260	1,302	1,337	1,365	1,393	1,422	1,449	1,475	1,501
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,185	1,219	1,260	1,302	1,337	1,365	1,393	1,422	1,449	1,475	1,501
Net Trade	-615	-618	-627	-647	-660	-670	-681	-694	-703	-711	-720
Wholesale Price	(Riyals per Kilogram)										
Poultry	5.88	5.90	6.08	6.26	6.35	6.45	6.56	6.66	6.74	6.84	6.91

South African Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cattle Inventories (Beg.)	14.2	14.3	14.5	14.6	14.7	14.9	15.0	15.1	15.1	15.0	14.9
Beef and Veal	(Thousand Metric Tons)										
Production	684	680	689	700	706	708	706	701	696	691	685
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	684	680	689	700	706	708	706	701	696	691	685
Consumption	686	689	695	708	724	740	761	777	793	812	836
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	686	689	695	708	724	740	761	777	793	812	836
Net Trade	-2	-9	-6	-8	-18	-32	-55	-76	-97	-121	-151
Broiler	(Thousand Metric Tons)										
Production	1,178	1,194	1,239	1,275	1,302	1,327	1,349	1,370	1,392	1,414	1,435
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,178	1,194	1,239	1,275	1,302	1,327	1,349	1,370	1,392	1,414	1,435
Consumption	1,382	1,409	1,433	1,463	1,490	1,514	1,544	1,575	1,607	1,642	1,679
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,382	1,409	1,433	1,463	1,490	1,514	1,544	1,575	1,607	1,642	1,679
Net Trade	-204	-216	-193	-188	-187	-188	-196	-205	-215	-228	-244
Prices	(Rand per Kilogram)										
Beef - Farm	70.21	66.16	72.73	78.37	81.56	84.08	85.74	87.45	89.33	91.51	93.70
Poultry - Retail	22.36	18.55	19.70	20.91	21.88	22.86	23.82	24.76	25.69	26.71	27.68

South Korean Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	2.88	3.05	3.15	3.25	3.33	3.38	3.40	3.40	3.38	3.33	3.27
Hog Inventories (Beg.)	8.22	8.20	7.90	7.26	7.00	7.04	7.13	7.15	7.12	7.04	6.98
Beef	(Thousand Metric Tons)										
Production	288	298	310	323	333	338	340	340	337	332	326
Beginning Stocks	15	40	40	40	40	40	40	40	40	40	40
Domestic Supply	303	338	350	363	372	378	380	380	377	372	366
Consumption	553	569	569	578	588	598	611	625	640	658	675
Ending Stocks	40	40	40	40	40	40	40	40	40	40	40
Domestic Use	593	609	609	618	628	638	651	665	680	698	715
Net Trade	-290	-271	-259	-255	-255	-260	-271	-285	-304	-325	-349
Pork	(Thousand Metric Tons)										
Production	1,016	956	917	894	883	875	864	853	846	847	853
Beginning Stocks	144	100	108	109	111	114	117	120	122	123	122
Domestic Supply	1,160	1,056	1,025	1,004	993	988	981	973	968	969	976
Consumption	1,415	1,425	1,446	1,477	1,530	1,581	1,624	1,659	1,679	1,688	1,696
Ending Stocks	100	108	109	111	114	117	120	122	123	122	122
Domestic Use	1,515	1,533	1,556	1,587	1,643	1,698	1,743	1,781	1,802	1,811	1,818
Net Trade	-355	-477	-531	-584	-650	-709	-762	-809	-833	-842	-842
Broiler	(Thousand Metric Tons)										
Production	605	638	647	654	660	664	669	673	678	683	687
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	605	638	647	654	660	664	669	673	678	683	687
Consumption	663	694	713	724	730	735	738	743	748	755	762
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	663	694	713	724	730	735	738	743	748	755	762
Net Trade	-52	-50	-59	-65	-65	-64	-64	-63	-65	-66	-69
Farm Prices	(1000 Won per 500 Kilograms, Liveweight)										
Beef	4,461	5,507	5,456	5,577	5,648	5,665	5,640	5,620	5,608	5,613	5,612
	(Won per Kilogram, Liveweight)										
Pork	3,350	2,800	2,857	2,874	2,754	2,661	2,606	2,579	2,629	2,719	2,806
Poultry	1,682	1,370	1,289	1,284	1,303	1,324	1,348	1,371	1,390	1,413	1,430
Retail Prices	(Won per Kilogram)										
Beef	31,702	37,689	39,305	40,404	41,053	41,226	41,008	40,702	40,425	40,262	40,095
Pork	7,217	6,260	6,174	6,171	5,916	5,663	5,487	5,382	5,438	5,605	5,787
Poultry	5,100	3,898	3,486	3,388	3,406	3,448	3,504	3,558	3,606	3,658	3,700

Taiwanese Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	0.19	0.16	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16
Hog Inventories (Beg.)	6.79	6.40	5.76	5.24	5.09	5.18	5.30	5.37	5.40	5.35	5.28
	(Thousand Metric Tons)										
Beef and Veal											
Production	6	5	5	5	5	5	5	5	5	5	5
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	6	5	5	5	5	5	5	5	5	5	5
Consumption	116	118	122	126	129	133	137	142	146	150	155
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	116	118	122	126	129	133	137	142	146	150	155
Net Trade	-110	-113	-117	-120	-124	-128	-132	-137	-141	-145	-150
Pork											
Production	900	902	907	912	918	922	924	923	929	937	947
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	900	902	907	912	918	922	924	923	929	937	947
Consumption	958	959	964	980	1,006	1,031	1,053	1,072	1,085	1,095	1,106
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	958	959	964	980	1,006	1,031	1,053	1,072	1,085	1,095	1,106
Net Trade	-58	-57	-57	-68	-89	-110	-129	-149	-156	-158	-159
Broiler											
Production	507	518	529	539	547	552	558	563	570	577	584
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	507	518	529	539	547	552	558	563	570	577	584
Consumption	574	598	617	633	644	653	661	670	679	690	700
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	574	598	617	633	644	653	661	670	679	690	700
Net Trade	-67	-80	-88	-94	-97	-101	-103	-107	-110	-113	-116
Retail Prices	(New Taiwan Dollars per Kilogram)										
Beef and Veal	259	263	276	279	277	272	267	261	258	256	254
Pork	155	170	184	188	182	177	173	170	172	175	178
Poultry	128	115	119	120	120	120	121	122	123	125	126

Thai Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	5.61	5.67	5.81	5.97	6.12	6.24	6.34	6.43	6.51	6.59	6.66
Hog Inventories (Beg.)	6.14	6.21	6.37	6.56	6.76	6.91	7.07	7.24	7.41	7.55	7.70
Beef and Veal	(Thousand Metric Tons)										
Production	198	200	205	211	216	220	224	227	230	233	235
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	198	200	205	211	216	220	224	227	230	233	235
Consumption	199	206	209	213	217	222	228	234	240	245	250
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	199	206	209	213	217	222	228	234	240	245	250
Net Trade	-1	-6	-3	-2	-1	-2	-4	-7	-10	-13	-15
Pork											
Production	700	708	727	748	771	788	806	826	845	862	878
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	700	708	727	748	771	788	806	826	845	862	878
Consumption	700	707	721	735	747	762	776	790	804	819	832
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	700	707	721	735	747	762	776	790	804	819	832
Net Trade	0	1	6	13	23	26	30	36	41	43	46
Broiler											
Production	1,200	1,295	1,312	1,343	1,382	1,419	1,455	1,491	1,528	1,565	1,601
Beginning Stocks	21	31	31	31	31	31	31	31	31	31	31
Domestic Supply	1,221	1,326	1,343	1,374	1,413	1,450	1,486	1,522	1,559	1,596	1,632
Consumption	805	831	846	863	878	892	907	923	938	952	966
Ending Stocks	31	31	31	31	31	31	31	31	31	31	31
Domestic Use	836	862	877	894	909	923	938	954	969	983	997
Net Trade	385	464	466	480	504	527	549	569	590	613	635
Wholesale Prices	(Baht per Kilogram)										
Beef and Veal	93.9	96.3	104.1	108.8	111.1	112.2	112.4	112.7	113.3	114.1	114.9
Pork	66.6	65.6	67.8	70.6	73.4	74.6	77.0	79.7	81.6	83.2	84.8
Poultry	36.2	35.2	36.6	37.5	38.6	39.6	40.7	41.7	42.7	43.8	44.8

Ukrainian Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	5.1	5.0	4.9	4.8	4.8	4.8	4.8	4.9	4.9	5.0	5.0
Hog Inventories (Beg.)	6.5	7.2	7.7	8.1	8.4	8.6	8.9	9.1	9.3	9.5	9.6
	(Thousand Metric Tons)										
Beef and Veal											
Production	400	378	371	366	367	371	374	378	383	389	396
Beginning Stocks	15	15	15	15	15	15	15	15	15	15	15
Domestic Supply	415	393	386	381	382	386	389	393	398	404	411
Consumption	408	389	393	399	401	400	400	402	402	404	406
Ending Stocks	15	15	15	15	15	15	15	15	15	15	15
Domestic Use	423	404	408	414	416	415	415	417	417	419	421
Net Trade	-8	-11	-22	-33	-34	-29	-26	-23	-19	-15	-10
Pork											
Production	490	529	564	593	615	632	649	667	683	699	716
Beginning Stocks	22	22	22	22	23	23	23	23	23	23	24
Domestic Supply	512	551	586	615	638	654	672	690	706	723	740
Consumption	730	775	796	816	836	859	875	889	904	919	933
Ending Stocks	22	22	22	23	23	23	23	23	23	24	24
Domestic Use	752	798	819	838	859	882	898	912	927	942	957
Net Trade	-240	-247	-233	-223	-221	-228	-226	-221	-221	-220	-217
Broiler											
Production	620	668	702	729	746	759	770	781	792	807	824
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	620	668	702	729	746	759	770	781	792	807	824
Consumption	812	802	822	846	871	892	911	929	946	958	971
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	812	802	822	846	871	892	911	929	946	958	971
Net Trade	-192	-134	-119	-117	-125	-133	-142	-149	-154	-151	-147
Farm Prices											
	(Hryvnias per Kilogram)										
Beef and Veal	12.17	11.63	11.23	10.98	10.99	11.13	11.13	11.13	11.13	11.13	11.13
Pork	49.06	49.83	49.61	51.13	51.81	51.38	51.74	52.76	53.16	53.73	54.33
Poultry	46.91	47.26	46.98	47.43	47.28	47.11	47.02	47.27	47.40	47.98	48.44

Vietnamese Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Million Head)						
Cattle Inventories (Beg.)	6.8	6.8	6.9	7.1	7.3	7.4	7.6	7.7	7.9	8.0	8.2
Hog Inventories (Beg.)	28.6	29.3	31.3	31.1	31.0	31.1	31.5	31.7	31.9	32.1	32.5
Beef and Veal					(Thousand Metric Tons)						
Production	166	164	167	172	176	180	184	188	191	195	198
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	166	164	167	172	176	180	184	188	191	195	198
Consumption	166	177	179	185	193	200	209	218	227	235	244
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	166	177	179	185	193	200	209	218	227	235	244
Net Trade	0	-12	-12	-14	-16	-20	-25	-30	-36	-41	-46
Pork											
Production	1,850	1,814	1,840	1,845	1,858	1,867	1,886	1,906	1,924	1,940	1,957
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,850	1,814	1,840	1,845	1,858	1,867	1,886	1,906	1,924	1,940	1,957
Consumption	1,894	1,864	1,904	1,940	1,973	2,010	2,045	2,078	2,114	2,151	2,188
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,894	1,864	1,904	1,940	1,973	2,010	2,045	2,078	2,114	2,151	2,188
Net Trade	-44	-51	-64	-95	-115	-143	-159	-172	-190	-211	-231
Broiler											
Production	340	355	368	375	381	385	389	394	399	404	408
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	340	355	368	375	381	385	389	394	399	404	408
Consumption	530	530	540	551	562	571	581	592	603	613	624
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	530	530	540	551	562	571	581	592	603	613	624
Net Trade	-190	-175	-171	-176	-181	-186	-192	-198	-204	-210	-216

Rest-of-World Meat Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Million Head)										
Cattle Inventories (Beg.)	366.6	366.5	398.6	401.6	403.5	404.0	404.1	403.8	403.5	403.4	403.4
Hog Inventories (Beg.)	127.9	121.1	118.2	116.7	115.0	113.1	111.5	110.2	109.5	109.6	110.3
	(Thousand Metric Tons)										
Beef and Veal											
Production	8,255	8,333	8,396	8,436	8,447	8,447	8,441	8,436	8,434	8,433	8,433
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption	10,213	10,351	10,459	10,540	10,593	10,661	10,698	10,736	10,756	10,748	10,710
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Net Trade	-1,958	-2,018	-2,063	-2,104	-2,146	-2,214	-2,256	-2,299	-2,322	-2,314	-2,277
	(Thousand Metric Tons)										
Pork											
Production	16,508	15,637	15,260	15,066	14,838	14,602	14,390	14,220	14,139	14,150	14,233
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption	17,074	16,153	15,696	15,512	15,294	15,068	14,866	14,706	14,635	14,656	14,749
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Net Trade	-572	-516	-436	-446	-456	-466	-476	-486	-496	-506	-516
	(Thousand Metric Tons)										
Broiler											
Production	7,920	7,456	7,531	7,817	8,148	8,446	8,730	9,029	9,339	9,661	9,999
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption	11,222	10,784	10,946	11,253	11,611	11,937	12,233	12,520	12,857	13,206	13,551
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Net Trade	-3,302	-3,328	-3,414	-3,436	-3,463	-3,491	-3,503	-3,490	-3,517	-3,544	-3,552

Per Capita Meat Consumption of Selected Countries

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Argentina											
											(Kilograms)
Beef and Veal	63.9	60.4	59.8	59.6	59.6	59.7	59.8	59.9	60.0	60.0	60.1
Pork	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1
Broiler	32.2	32.3	32.7	33.1	33.5	33.9	34.2	34.6	35.0	35.3	35.6
Total	102.2	98.9	98.8	99.1	99.7	100.2	100.7	101.4	101.9	102.3	102.8
Australia											
Beef and Veal	34.6	34.6	34.2	34.1	34.1	34.1	34.2	34.3	34.3	34.4	34.4
Pork	21.7	21.9	22.0	22.2	22.4	22.5	22.7	22.8	22.9	23.1	23.2
Broiler	34.3	34.1	33.8	33.5	33.2	33.0	32.8	32.5	32.3	32.1	31.9
Total	90.6	90.6	90.0	89.8	89.7	89.6	89.6	89.6	89.6	89.5	89.5
Brazil											
Beef and Veal	41.0	40.8	40.8	40.8	40.9	41.1	41.4	41.6	41.9	42.2	42.5
Pork	13.4	13.7	13.7	13.9	14.3	14.6	14.8	15.1	15.2	15.3	15.5
Broiler	37.7	38.5	38.8	38.9	38.9	38.9	38.8	38.8	38.7	38.7	38.7
Total	92.1	93.0	93.3	93.6	94.1	94.6	95.1	95.6	95.9	96.3	96.7
Canada											
Beef and Veal	32.0	32.1	31.7	31.4	31.1	30.9	30.6	30.5	30.5	30.5	30.5
Pork	24.7	23.0	22.9	23.0	23.4	23.7	23.8	24.0	24.0	24.0	24.0
Broiler	28.6	29.0	29.7	30.1	30.2	30.3	30.6	30.7	30.8	31.0	31.2
Total	85.3	84.1	84.3	84.5	84.8	84.9	85.0	85.1	85.3	85.5	85.7
China - Mainland											
Beef and Veal	4.3	4.1	4.2	4.4	4.5	4.6	4.7	4.8	4.9	5.1	5.2
Pork	36.3	36.9	37.6	38.3	39.3	40.3	41.3	42.3	43.3	44.2	45.1
Broiler	9.2	9.3	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.1
Lamb-Mutton	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1
Total	51.7	52.2	53.2	54.3	55.6	57.0	58.4	59.7	61.1	62.3	63.6
China - Hong Kong											
Beef and Veal	22.6	22.7	22.8	22.9	23.1	23.4	23.7	24.0	24.3	24.7	25.1
Pork	64.7	65.1	64.7	64.8	65.5	66.2	66.7	67.2	67.4	67.4	67.5
Broiler	36.7	37.9	38.3	38.6	38.8	39.1	39.3	39.5	39.8	40.1	40.3
Total	124.0	125.7	125.8	126.3	127.5	128.6	129.7	130.7	131.5	132.2	132.9
Egypt											
Beef and Veal	7.3	7.4	7.4	7.5	7.6	7.6	7.7	7.8	7.9	7.9	8.0
Broiler	6.7	6.9	7.0	7.1	7.2	7.3	7.4	7.4	7.5	7.6	7.7
Total	14.0	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	15.5	15.7
European Union											
Beef and Veal	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	17.0	17.0
Pork	42.2	42.1	42.3	42.4	42.4	42.4	42.5	42.6	42.7	42.9	43.1
Broiler	17.5	17.7	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5
Lamb-Mutton	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7
Total	79.2	79.3	79.5	79.7	79.9	80.0	80.2	80.4	80.6	80.9	81.2
India											
Beef and Veal	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Broiler	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4
Total	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2

Note: Carcass weight basis for beef and veal and pork consumption and ready-to-cook equivalent for broiler and poultry consumption.

Per Capita Meat Consumption of Selected Countries (continued)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Indonesia											
											(Kilograms)
Beef and Veal	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.5
Pork	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6
Broiler	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.3	4.4	4.4	4.5
Lamb	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
Total	8.4	8.5	8.7	8.9	9.0	9.2	9.3	9.5	9.6	9.8	9.9
Japan											
Beef and Veal - All	9.4	9.8	10.0	10.2	10.5	10.7	10.8	10.9	11.0	11.1	11.1
Wagyu	1.7	1.8	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1
Dairy	2.4	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1
Import	5.2	5.7	5.9	6.1	6.4	6.5	6.7	6.8	6.9	6.9	7.0
Pork	19.7	19.6	19.6	19.8	20.2	20.6	20.9	21.1	21.3	21.4	21.5
Broiler	15.5	15.4	15.5	15.6	15.6	15.7	15.7	15.8	15.8	15.8	15.8
Total	44.5	44.8	45.1	45.7	46.4	47.0	47.5	47.8	48.1	48.2	48.4
Mexico											
Beef and Veal	16.7	16.9	17.0	17.1	17.1	17.3	17.5	17.7	18.0	18.2	18.5
Pork	14.8	14.9	15.0	15.1	15.5	15.8	16.1	16.3	16.5	16.7	16.9
Broiler	29.3	29.6	30.2	30.6	30.8	31.1	31.3	31.6	32.1	32.5	33.0
Total	60.8	61.5	62.2	62.8	63.4	64.1	64.9	65.7	66.6	67.5	68.4
New Zealand											
Beef and Veal	28.2	28.1	27.2	26.8	26.6	26.5	26.4	26.4	26.3	26.2	26.2
Pork	12.3	12.8	13.2	13.6	13.8	14.0	14.2	14.4	14.6	14.8	15.0
Broiler	34.3	35.1	34.9	35.1	35.4	35.6	35.8	36.0	36.2	36.4	36.7
Total	74.8	76.0	75.3	75.4	75.8	76.1	76.4	76.7	77.1	77.5	77.9
Other Eastern Europe											
Beef and Veal	5.0	5.0	5.0	5.0	5.1	5.1	5.2	5.3	5.4	5.5	5.5
Pork	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.1	5.2
Poultry	4.6	4.7	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5
Total	13.9	14.1	14.2	14.4	14.7	14.9	15.1	15.4	15.7	15.9	16.2
Other CIS											
Beef and Veal	18.6	18.7	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5
Pork	7.8	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.1	8.2
Poultry	6.1	6.1	6.2	6.3	6.3	6.4	6.5	6.6	6.6	6.7	6.8
Total	32.5	32.5	32.7	32.9	33.2	33.4	33.7	33.9	34.1	34.3	34.5
Paraguay											
Beef and Veal	34.3	34.5	34.4	34.1	33.8	33.6	33.6	33.6	33.6	33.7	33.7
Pork	16.5	16.3	16.2	16.2	16.4	16.5	16.6	16.7	16.7	16.7	16.6
Broiler	6.7	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Total	57.4	57.7	57.6	57.3	57.1	57.1	57.2	57.2	57.3	57.3	57.4
Philippines											
Beef and Veal	3.3	3.3	3.3	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.8
Pork	12.7	12.8	13.0	13.1	13.3	13.5	13.6	13.8	13.9	14.1	14.3
Broiler	7.8	7.9	8.0	8.1	8.3	8.4	8.5	8.6	8.7	8.8	9.0
Total	23.7	24.0	24.3	24.6	24.9	25.3	25.6	25.9	26.3	26.6	27.0
Russia											
Beef and Veal	14.1	14.6	14.5	14.6	14.7	14.7	14.8	14.9	15.0	15.1	15.1
Pork	21.2	21.8	22.6	22.9	23.1	23.4	23.7	23.9	24.2	24.5	24.8
Broiler	19.1	19.7	20.4	21.0	21.4	21.7	22.1	22.4	22.8	23.2	23.5
Total	54.4	56.0	57.4	58.4	59.1	59.9	60.6	61.3	62.0	62.7	63.5

Note: Carcass weight basis for beef and veal and pork consumption and ready-to-cook equivalent for broiler and poultry consumption.

Per Capita Meat Consumption of Selected Countries (continued)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
South Africa											
											(Kilograms)
Beef and Veal	14.0	14.1	14.2	14.6	15.0	15.3	15.7	16.1	16.4	16.7	17.2
Broiler	28.1	28.8	29.4	30.1	30.8	31.4	31.9	32.6	33.2	33.9	34.6
Total	42.1	42.8	43.6	44.7	45.8	46.7	47.7	48.6	49.6	50.6	51.8
South Korea											
Beef and Veal	11.4	11.7	11.6	11.8	12.0	12.2	12.4	12.7	13.0	13.3	13.7
Pork	29.1	29.2	29.6	30.2	31.2	32.2	33.0	33.7	34.1	34.2	34.3
Broiler	13.6	14.2	14.6	14.8	14.9	15.0	15.0	15.1	15.2	15.3	15.4
Total	54.1	55.1	55.8	56.8	58.1	59.3	60.4	61.5	62.2	62.9	63.5
Taiwan											
Beef and Veal	5.0	5.1	5.3	5.4	5.6	5.7	5.9	6.1	6.3	6.5	6.7
Pork	41.6	41.6	41.7	42.3	43.4	44.4	45.3	46.1	46.7	47.1	47.5
Broiler	24.9	25.9	26.7	27.4	27.8	28.1	28.4	28.8	29.2	29.6	30.1
Total	71.6	72.6	73.7	75.1	76.8	78.3	79.7	81.0	82.1	83.1	84.2
Thailand											
Beef and Veal	3.0	3.1	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6
Pork	10.5	10.6	10.7	10.9	11.0	11.2	11.3	11.5	11.6	11.8	11.9
Broiler	12.1	12.4	12.6	12.8	12.9	13.1	13.2	13.4	13.6	13.7	13.9
Total	25.7	26.1	26.4	26.8	27.1	27.5	27.9	28.3	28.7	29.0	29.4
Ukraine											
Beef and Veal	9.0	8.6	8.8	9.0	9.1	9.1	9.1	9.2	9.3	9.4	9.5
Pork	16.1	17.2	17.7	18.3	18.9	19.5	20.0	20.5	21.0	21.4	21.9
Broiler	17.9	17.8	18.3	19.0	19.7	20.3	20.8	21.4	21.9	22.4	22.8
Total	42.9	43.6	44.8	46.2	47.6	48.9	50.0	51.1	52.2	53.2	54.3
Vietnam											
Beef and Veal	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5
Pork	21.1	20.6	20.8	21.0	21.1	21.3	21.5	21.6	21.8	22.0	22.2
Broiler	5.9	5.8	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.3
Total	28.9	28.4	28.7	28.9	29.2	29.5	29.8	30.0	30.3	30.6	31.0
United States											
Beef and Veal	39.8	38.6	37.9	37.2	36.8	36.5	36.6	36.8	36.9	37.0	37.0
Pork	29.1	27.9	27.5	27.4	27.7	28.1	28.3	28.3	28.1	27.9	27.8
Broiler	42.0	43.0	43.5	43.9	44.3	44.7	45.0	45.3	45.6	45.9	46.3
Total	110.9	109.6	108.9	108.6	108.9	109.3	109.9	110.4	110.6	110.8	111.1

Note: Carcass weight basis for beef and veal and pork consumption and ready-to-cook equivalent for broiler and poultry consumption.

WORLD DAIRY PRODUCTS

World Butter and Cheese

Strong demand and growing incomes boost world milk production. Over the next decade, world milk production increases 23.7%. While the EU and the U.S. are still the major milk producing countries, high production growth is seen in Asia, especially in China and India, as well as in Argentina and Brazil.

Growth in milk production facilitates higher dairy product production. Total butter production increases 32.5% over the baseline, with India as the biggest producer, accounting for 90% of the growth. The growth of Indian butter production is driven by rapidly growing domestic demand and a strong world price. Indian butter exports reach a record at the midterm of the baseline and then decrease as more production is absorbed by domestic markets.

World butter trade increases 35.5% in next decade. New Zealand, the EU, and Australia remain the world's largest butter exporters, supplying 82.5% of total butter trade at the end of the baseline. As New Zealand and Australian butter exports rise, EU net exports languish. Russia, a leading importer in the world butter market, gradually increases its butter imports. It accounts for about one-fifth of total world butter imports at the end of the baseline. Driven by economic growth and westernized diets, steady import growth occurs in Asia, especially in China.

World total cheese production grows 18.8%, with the U.S. and the EU accounting for about 51.9%. Strong demand drives a 47.5% increase in world cheese trade over the decade. The EU, New Zealand, and Australia are leading exporters, supplying over three-quarters of world cheese trade supply. Because of higher returns from cheese, more milk is diverted into cheese production in the EU. EU cheese production rises 12.1% over the baseline, while butter and milk powder production decrease. Because strong domestic demand in the EU absorbs the growth in cheese production, EU cheese exports decline throughout the baseline. Australian and New Zealand cheese production increase 3.3% and 5.7% annually, respectively. Argentina, Brazil, and Ukraine become increasingly important players in international cheese markets, together accounting for 17.9% of total exports by 2019.

Russia and Japan are the leading cheese importers and account for 42.9% of total world imports on average. Sustained by economic and population growth, cheese imports of other Asian countries (China, Indonesia, Malaysia, Philippines, South Korea, Thailand, and Vietnam) increase by 4.5% annually. China's cheese imports show especially strong growth. Mexican cheese imports rise 46.4% over the baseline.

Butter Trade

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Net Exporters	(Thousand Metric Tons)										
Argentina	3	6	6	6	7	7	8	8	9	10	11
Australia	51	57	59	57	58	61	66	71	77	84	91
Canada	-8	-4	-4	0	1	3	4	5	6	7	9
Colombia	-1	-1	-1	-1	-1	-2	-2	-3	-3	-3	-4
European Union	75	101	99	94	92	91	90	87	84	77	72
India	-16	3	10	20	23	22	19	17	11	6	-1
New Zealand	404	408	419	430	436	441	445	449	454	458	462
Ukraine	-17	-11	-1	3	9	16	21	27	34	42	49
Uruguay	16	17	17	18	19	19	20	21	22	23	24
Total Net Exports *	560	605	621	641	661	679	695	711	727	743	758
Net Importers											
Algeria	9	12	13	14	16	17	18	19	20	21	22
Brazil	6	1	-2	-2	-2	-3	-3	-5	-6	-8	-10
China	34	39	44	49	55	60	64	68	71	75	79
Egypt	53	57	59	61	64	66	68	70	72	74	76
Indonesia	14	15	15	15	16	16	16	17	17	17	18
Japan	24	24	27	27	28	29	30	30	31	31	32
Malaysia	11	11	12	12	13	13	14	14	15	15	16
Mexico	58	57	57	58	58	58	59	60	62	64	66
Peru	1	1	1	1	2	2	2	2	2	2	2
Philippines	11	11	11	11	12	12	12	13	13	13	13
Russia	130	141	148	154	153	155	156	157	158	159	161
Saudi Arabia	39	42	43	44	46	48	50	51	52	53	55
South Korea	10	8	7	7	7	7	8	8	8	8	8
Switzerland	2	4	4	4	4	3	3	3	3	3	3
Thailand	14	15	15	16	17	17	18	18	19	20	20
United States	-11	-14	-8	-11	-14	-17	-18	-20	-24	-27	-30
Venezuela	3	3	3	3	3	3	4	4	4	4	4
Vietnam	7	7	7	8	9	9	10	10	11	11	12
Rest of World	92	143	149	153	158	160	161	163	166	168	167
Total Net Imports	560	605	621	641	661	679	695	711	727	743	758
Price	(U.S. Dollars per Metric Ton)										
Oceania Export Price	2,348	2,802	2,804	2,815	2,807	2,827	2,878	2,915	2,972	3,046	3,127
FOB Price N. Europe	3,400	3,464	3,366	3,250	3,120	3,046	3,091	3,138	3,182	3,227	3,272

* Total net exports are the sum of all positive net exports and negative net imports.

Cheese Trade

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Net Exporters	(Thousand Metric Tons)										
Argentina	39	35	36	40	42	48	52	53	55	59	63
Australia	97	120	128	133	141	148	156	164	173	182	191
Colombia	-1	-1	-1	-1	-1	-2	-2	-3	-4	-5	-5
European Union	385	391	383	378	371	368	365	362	358	353	349
New Zealand	280	299	343	377	397	416	435	453	471	484	497
Switzerland	22	24	24	24	25	27	28	29	29	29	29
Ukraine	68	70	71	73	75	76	80	83	86	89	92
Uruguay	44	44	45	46	47	48	49	50	51	52	54
Total Net Exports *	934	982	1,044	1,091	1,127	1,173	1,216	1,257	1,300	1,339	1,378
Net Importers											
Algeria	24	25	27	28	30	31	33	34	35	36	37
Brazil	3	0	-14	-20	-29	-40	-51	-62	-73	-82	-92
Canada	17	17	17	17	18	18	18	18	18	18	18
China	77	77	78	83	89	97	102	111	120	129	138
Egypt	12	14	16	18	19	21	23	24	25	26	27
Indonesia	9	9	10	10	10	11	11	11	12	12	12
Japan	185	184	187	190	193	195	198	202	204	206	207
Malaysia	8	8	9	9	10	10	11	11	12	12	12
Mexico	68	67	72	75	76	77	83	91	96	100	100
Peru	4	4	6	8	11	13	15	17	18	20	21
Philippines	13	15	15	16	16	17	17	18	19	19	20
Russia	290	293	297	306	306	308	312	315	319	322	327
Saudi Arabia	94	96	99	101	104	107	110	112	116	119	122
South Korea	50	52	53	55	56	58	59	60	61	62	62
Thailand	2	3	3	3	3	3	3	3	4	4	4
United States	30	25	22	16	13	9	6	2	-3	-8	-12
Venezuela	5	5	6	9	11	14	17	19	22	25	28
Vietnam	1	1	1	1	1	1	2	2	2	2	2
Rest of World	42	85	124	143	160	181	195	203	215	224	235
Total Net Imports	934	982	1,044	1,091	1,127	1,173	1,216	1,257	1,300	1,339	1,378
Price	(U.S. Dollars per Metric Ton)										
Oceania Export Price	2,958	3,423	3,480	3,546	3,598	3,641	3,699	3,770	3,839	3,912	3,997
FOB Price N. Europe	3,535	3,682	3,715	3,787	3,843	3,880	3,923	3,980	4,026	4,085	4,147

* Total net exports are the sum of all positive net exports and negative net imports.

World Milk Powder

Over the next decade, world NFD and WMP production increase 17.5% and 32.3%, respectively. Milk powder production increases in most countries except in the EU.

Stimulated by strong import demand, especially from Asia, Australian and New Zealand NFD and WMP production increase 3.2% and 1.1% annually, respectively, in the next decade.

Driven by strong world demand and prices, the Argentine and Brazilian dairy sectors expand over the baseline. Argentine WMP production increases 41.8% and WMP exports increase roughly 44%. Improved domestic economic conditions and favorable government policies boost Brazilian dairy production, which enables Brazil to become a rising exporter in the world milk powder markets.

Australia, New Zealand, the EU, and the U.S. captured over 90% of the NFD export market in 2009. Their combined market share declines slightly over the baseline, as NFD exports from other countries, such as India, Ukraine, and Brazil, increase. Asian countries, Algeria, and Mexico are major importers and increase their NFD imports steadily over the projection period.

WMP trade grows 18.9% over the baseline. While EU WMP exports decrease by 34.5%, Australia, New Zealand, and Argentina expand their exports, respectively, by 58.3%, 5.1%, and 44%. Brazil, as an emerging exporter, significantly increases its exports over the baseline. Major importers Algeria, Venezuela, and Asian countries steadily increase their WMP imports.

Southeast Asia (Indonesia, Malaysia, Philippines, Thailand, and Vietnam) keeps its NFD imports strong, accounting for about 40% of total world NFD imports. China and Japan together account for about 12% of the NFD import market by the end of the baseline. Southeast Asian WMP imports rise 3.3% annually throughout the baseline. Chinese WMP exports are negatively affected by the milk scandal for the next couple of years. Over the long run, as domestic WMP production expands and as consumers substitute more fluid milk for reconstituted milk powder, Chinese WMP exports expand.

Nonfat Dry Milk Trade

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Net Exporters	(Thousand Metric Tons)										
Argentina	15	17	18	19	20	21	22	22	23	24	25
Australia	162	163	163	161	161	165	172	180	190	201	213
Canada	7	8	14	15	13	12	11	8	6	4	2
Colombia	1	1	1	1	1	0	0	0	-1	-1	-1
European Union	160	224	217	213	214	219	220	222	223	223	223
India	31	36	42	48	55	63	73	83	95	107	120
New Zealand	317	326	337	349	358	365	371	375	381	387	393
Switzerland	10	10	10	10	10	10	10	10	10	10	11
Ukraine	14	19	22	27	32	38	44	51	58	65	72
United States	235	278	321	338	349	358	364	371	377	385	394
Uruguay	12	13	14	15	16	17	18	19	20	21	23
Total Net Exports *	964	1,098	1,162	1,202	1,239	1,281	1,324	1,372	1,421	1,476	1,535
Net Importers											
Algeria	91	92	96	100	105	109	113	117	120	123	126
Brazil	10	-2	-3	-6	-12	-13	-20	-29	-38	-49	-60
China	65	70	82	88	93	99	106	112	120	127	134
Egypt	33	34	35	36	37	38	39	40	41	42	42
Indonesia	173	178	185	192	198	205	212	220	227	235	241
Japan	35	28	30	31	33	36	39	42	45	48	50
Malaysia	51	53	55	56	58	60	62	65	67	69	71
Mexico	128	133	136	137	137	139	141	143	148	151	154
Peru	8	9	10	10	11	12	12	13	14	14	15
Philippines	90	80	89	91	93	95	97	99	102	104	106
Russia	35	43	50	57	62	64	66	68	70	72	74
Saudi Arabia	25	29	32	35	38	41	45	48	52	55	59
South Korea	8	10	8	8	7	7	6	6	6	6	6
Thailand	75	77	78	80	82	84	86	89	91	94	97
Venezuela	7	7	7	7	7	7	7	8	8	8	8
Vietnam	54	54	56	59	61	62	64	66	68	70	72
Rest of World	76	200	213	214	217	222	228	236	243	257	277
Total Net Imports	964	1,098	1,162	1,202	1,239	1,281	1,324	1,372	1,421	1,476	1,535
Price	(U.S. Dollars per Metric Ton)										
Oceania Export Price	2,278	2,682	2,775	2,898	2,982	3,051	3,102	3,158	3,198	3,254	3,319
FOB Price N. Europe	2,476	2,819	2,866	2,975	3,064	3,145	3,209	3,268	3,310	3,359	3,427

* Total net exports are the sum of all positive net exports and negative net imports.

Whole Milk Powder Trade

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Net Exporters	(Thousand Metric Tons)										
Argentina	153	169	178	183	191	195	200	205	209	214	220
Australia	126	126	133	141	147	154	161	170	179	188	199
Canada	0	0	0	0	0	0	0	0	0	0	0
Colombia	-1	5	9	13	15	16	15	14	12	11	12
European Union	465	459	447	406	374	356	343	330	321	318	305
New Zealand	784	787	792	794	801	808	814	817	819	822	824
Ukraine	3	14	15	16	18	19	21	23	24	26	28
Uruguay	34	36	38	41	43	44	46	47	49	51	53
Total Net Exports *	1,565	1,596	1,625	1,623	1,650	1,677	1,713	1,755	1,792	1,825	1,860
Net Importers											
Algeria	180	175	179	182	186	190	193	197	200	203	206
Brazil	52	16	-13	-23	-34	-44	-60	-77	-96	-113	-130
China	153	93	55	-6	-29	-43	-54	-71	-83	-82	-88
Egypt	41	43	45	47	49	51	53	54	56	58	60
Indonesia	46	46	46	47	49	50	52	54	57	60	62
Malaysia	101	104	106	109	112	115	118	121	124	126	129
Mexico	31	37	42	45	47	51	55	60	65	70	75
Peru	11	13	14	15	16	18	19	20	22	23	25
Philippines	9	10	11	12	13	14	15	16	17	19	20
Russia	26	29	33	35	37	38	40	41	42	43	44
Saudi Arabia	48	51	54	57	60	63	66	69	72	75	77
South Korea	3	4	4	4	4	5	5	5	5	5	5
Thailand	39	41	42	43	44	46	47	48	50	51	52
Venezuela	94	95	95	96	97	99	101	102	104	106	107
Vietnam	35	36	38	39	40	41	43	45	48	51	54
Rest of World	694	804	862	891	895	899	908	922	930	934	943
Total Net Imports	1,565	1,596	1,625	1,623	1,650	1,677	1,713	1,755	1,792	1,825	1,860
Price	(U.S. Dollars per Metric Ton)										
Oceania Export Price	2,418	2,842	2,885	2,960	3,022	3,081	3,130	3,196	3,238	3,301	3,375
FOB Price N. Europe	2,825	3,056	3,074	3,129	3,179	3,246	3,302	3,367	3,404	3,456	3,540

* Total net exports are the sum of all positive net exports and negative net imports.

U.S. Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	9,200	9,015	8,950	8,923	8,904	8,890	8,880	8,874	8,870	8,869	8,873
					(Kilograms)						
Milk Production per Cow	9,331	9,481	9,667	9,799	9,929	10,056	10,183	10,303	10,419	10,535	10,651
					(Thousand Metric Tons)						
Cow Milk Production	85,847	85,472	86,521	87,437	88,413	89,405	90,429	91,426	92,420	93,437	94,503
Fluid Milk Consumption	27,700	27,871	27,997	28,204	28,362	28,579	28,823	29,044	29,249	29,463	29,691
Other Disappearance	58,147	57,600	58,525	59,233	60,051	60,826	61,607	62,382	63,170	63,974	64,812
Butter											
Production	708	704	713	722	728	733	737	741	746	752	757
Beginning Stocks	54	64	33	32	32	33	33	33	33	34	34
Domestic Supply	762	768	746	753	760	766	770	775	780	785	791
Consumption	687	720	706	710	713	716	718	721	722	724	727
Shipments	1	1	1	1	1	1	1	1	1	1	1
Ending Stocks	64	33	32	32	33	33	33	33	34	34	34
Domestic Use	752	754	739	743	747	750	752	755	757	759	762
Net Trade	11	14	8	11	14	17	18	20	24	27	30
Cheese											
Production	4,583	4,613	4,703	4,756	4,835	4,907	4,981	5,055	5,128	5,202	5,279
Beginning Stocks	386	451	409	413	389	395	402	409	416	424	432
Domestic Supply	4,969	5,065	5,112	5,169	5,224	5,302	5,383	5,464	5,544	5,626	5,711
Consumption	4,547	4,680	4,722	4,796	4,842	4,909	4,981	5,049	5,117	5,187	5,259
Shipments	33	33	33	33	33	33	33	33	33	33	33
Ending Stocks	451	409	413	389	395	402	409	416	424	432	439
Domestic Use	5,032	5,123	5,168	5,218	5,270	5,345	5,423	5,499	5,575	5,652	5,732
Net Trade	-30	-25	-22	-16	-13	-9	-6	-2	3	8	12
Nonfat Dry Milk											
Production	778	749	775	788	800	812	823	834	845	857	870
Beginning Stocks	112	82	49	50	51	51	52	53	54	54	55
Domestic Supply	890	831	824	838	851	864	875	887	898	911	925
Consumption	574	504	454	449	451	454	458	462	467	471	475
Shipments	0	0	0	0	0	0	0	0	0	0	0
Ending Stocks	82	49	50	51	51	52	53	54	54	55	56
Domestic Use	655	553	504	500	502	506	511	516	522	526	531
Net Trade	235	278	321	338	349	358	364	371	377	385	394
Prices											
					(U.S. Dollars per Metric Ton)						
All Milk	282	363	379	383	388	392	399	404	407	411	415
Butter Wholesale	2,740	3,027	3,216	3,214	3,200	3,226	3,294	3,345	3,391	3,442	3,483
Cheese Wholesale	2,857	3,714	3,814	3,838	3,871	3,908	3,963	4,005	4,027	4,054	4,085
Nonfat Dry Milk Wholesale	2,190	2,709	2,826	2,934	3,009	3,069	3,115	3,165	3,199	3,248	3,303

Algerian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	951	1,094	1,233	1,319	1,404	1,510	1,618	1,723	1,822	1,923	2,021
					(Kilograms)						
Milk Production per Cow	1,603	1,618	1,633	1,648	1,663	1,678	1,693	1,708	1,723	1,738	1,753
					(Thousand Metric Tons)						
Cow Milk Production	1,524	1,771	2,013	2,175	2,336	2,534	2,739	2,943	3,139	3,342	3,543
Fluid Milk Consumption	1,481	1,498	1,516	1,534	1,551	1,569	1,586	1,603	1,620	1,636	1,653
Manufacturing Use	118	120	121	121	122	122	123	124	125	126	127
Butter											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	1	1	1	1	1	1	1	1	1	1	1
Consumption	9	12	13	14	16	17	18	19	20	21	22
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	10	13	14	15	17	18	19	20	21	22	23
Net Trade	-9	-12	-13	-14	-16	-17	-18	-19	-20	-21	-22
Cheese											
Production	13	13	13	13	13	13	14	14	14	14	14
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	14	14	14	14	14	14	15	15	15	15	15
Consumption	37	38	40	41	43	45	46	48	49	50	51
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	38	39	41	42	44	46	47	49	50	51	52
Net Trade	-24	-25	-27	-28	-30	-31	-33	-34	-35	-36	-37
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	14	19	19	19	19	19	19	19	19	19	19
Domestic Supply	14	19	19	19	19	19	19	19	19	19	19
Consumption	86	92	96	100	105	109	113	117	120	123	126
Ending Stocks	19	19	19	19	19	19	19	19	19	19	19
Domestic Use	105	111	115	119	124	128	132	136	139	142	145
Net Trade	-91	-92	-96	-100	-105	-109	-113	-117	-120	-123	-126
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	2	10	10	10	10	10	10	10	10	10	10
Domestic Supply	2	10	10	10	10	10	10	10	10	10	10
Consumption	172	175	179	182	186	190	193	197	200	203	206
Ending Stocks	10	10	10	10	10	10	10	10	10	10	10
Domestic Use	182	185	189	192	196	200	203	207	210	213	216
Net Trade	-180	-175	-179	-182	-186	-190	-193	-197	-200	-203	-206

Argentine Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	2,100	2,126	2,161	2,182	2,209	2,242	2,269	2,292	2,314	2,338	2,363
					(Kilograms)						
Milk Production per Cow	4,810	4,875	4,940	5,005	5,070	5,135	5,200	5,265	5,330	5,395	5,460
					(Thousand Metric Tons)						
Cow Milk Production	10,100	10,361	10,676	10,919	11,200	11,512	11,800	12,067	12,333	12,611	12,899
Fluid Milk Consumption	1,980	2,028	2,077	2,135	2,197	2,256	2,316	2,378	2,440	2,500	2,562
Manufacturing Use	8,100	8,313	8,579	8,764	8,983	9,236	9,464	9,669	9,873	10,091	10,318
Butter											
Production	45	47	48	50	51	53	54	55	57	58	60
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	45	47	48	50	51	53	54	55	57	58	60
Consumption	42	41	42	43	44	45	46	47	48	48	48
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	42	41	42	43	44	45	46	47	48	48	48
Net Trade	3	6	6	6	7	7	8	8	9	10	11
Cheese											
Production	534	541	552	570	589	611	630	647	664	681	699
Beginning Stocks	39	34	34	34	34	34	34	34	34	34	34
Domestic Supply	573	575	586	604	623	645	664	681	698	715	733
Consumption	500	507	516	531	547	563	578	594	608	622	636
Ending Stocks	34	34	34	34	34	34	34	34	34	34	34
Domestic Use	534	541	550	565	581	597	612	628	642	656	670
Net Trade	39	35	36	40	42	48	52	53	55	59	63
Nonfat Dry Milk											
Production	25	27	29	31	32	34	36	37	39	40	42
Beginning Stocks	7	7	7	7	7	7	7	7	7	7	7
Domestic Supply	32	34	36	38	39	41	43	44	46	47	49
Consumption	10	11	11	12	12	13	14	15	15	16	17
Ending Stocks	7	7	7	7	7	7	7	7	7	7	7
Domestic Use	17	18	18	19	19	20	21	22	22	23	24
Net Trade	15	17	18	19	20	21	22	22	23	24	25
Whole Milk Powder											
Production	222	241	252	260	270	276	285	292	299	307	315
Beginning Stocks	20	19	19	19	19	19	19	19	19	19	19
Domestic Supply	242	260	271	279	289	295	304	311	318	326	334
Consumption	70	72	74	77	79	82	85	88	90	92	95
Ending Stocks	19	19	19	19	19	19	19	19	19	19	19
Domestic Use	89	91	93	96	98	101	104	107	109	111	114
Net Trade	153	169	178	183	191	195	200	205	209	214	220

Australian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	1,683	1,670	1,686	1,706	1,713	1,724	1,739	1,756	1,775	1,796	1,817
					(Kilograms)						
Milk Production per Cow	5,718	5,912	6,022	6,096	6,174	6,253	6,332	6,411	6,490	6,571	6,652
					(Thousand Metric Tons)						
Cow Milk Production	9,620	9,875	10,155	10,397	10,574	10,783	11,013	11,260	11,522	11,798	12,089
Fluid Milk Consumption	2,329	2,354	2,372	2,397	2,420	2,444	2,467	2,490	2,512	2,533	2,553
Manufacturing Use	7,228	7,458	7,720	7,937	8,090	8,276	8,483	8,707	8,947	9,202	9,473
Butter											
Production	132	125	126	127	128	131	137	142	149	156	163
Beginning Stocks	21	33	33	31	31	30	30	29	29	28	28
Domestic Supply	152	158	159	158	158	162	166	171	178	184	191
Consumption	68	68	69	69	70	70	71	71	72	72	73
Ending Stocks	33	33	31	31	30	30	29	29	28	28	27
Domestic Use	101	101	100	100	100	100	100	100	100	100	100
Net Trade	51	57	59	57	58	61	66	71	77	84	91
Cheese											
Production	325	334	345	357	370	383	396	409	423	436	450
Beginning Stocks	27	40	37	36	37	37	37	37	36	36	36
Domestic Supply	352	373	382	394	407	419	433	446	459	472	486
Consumption	215	217	218	224	229	235	240	245	250	255	259
Ending Stocks	40	37	36	37	37	37	37	36	36	36	35
Domestic Use	255	253	254	261	266	271	276	282	286	291	295
Net Trade	97	120	128	133	141	148	156	164	173	182	191
Nonfat Dry Milk											
Production	219	205	210	210	209	215	223	231	241	253	265
Beginning Stocks	52	60	52	51	51	51	52	54	56	58	61
Domestic Supply	271	264	262	261	260	265	274	285	297	311	326
Consumption	49	49	49	49	49	49	49	49	49	49	49
Ending Stocks	60	52	51	51	51	52	54	56	58	61	64
Domestic Use	109	101	99	99	99	100	102	105	107	110	113
Net Trade	162	163	163	161	161	165	172	180	190	201	213
Whole Milk Powder											
Production	144	154	161	169	176	184	192	201	210	221	231
Beginning Stocks	19	10	10	10	10	10	10	10	10	10	10
Domestic Supply	163	164	171	179	186	194	202	211	220	231	241
Consumption	27	28	28	28	29	30	30	31	32	32	33
Ending Stocks	10	10	10	10	10	10	10	10	10	10	10
Domestic Use	37	38	38	38	39	40	40	41	42	42	43
Net Trade	126	126	133	141	147	154	161	170	179	188	199
Milk Farm Prices											
					(Australian Cents per Hectoliter)						
Fluid Milk Average	38	38	40	40	41	42	42	43	44	45	46
Retail Milk	223	223	233	233	236	239	242	245	248	252	256
Export Prices											
					(Australian Dollars per Metric Ton)						
Butter	3,097	3,195	3,384	3,336	3,335	3,371	3,443	3,500	3,582	3,691	3,810
Cheese	3,901	3,902	4,200	4,203	4,275	4,342	4,426	4,527	4,627	4,740	4,869
NFD	3,005	3,058	3,348	3,435	3,544	3,638	3,712	3,792	3,854	3,943	4,043
WMP	3,190	3,240	3,482	3,508	3,590	3,674	3,746	3,838	3,903	4,000	4,112

Brazilian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	21,694	20,926	21,555	22,073	22,483	22,849	23,218	23,570	23,917	24,261	24,602
					(Kilograms)						
Milk Production per Cow	1,289	1,337	1,349	1,361	1,379	1,400	1,419	1,440	1,460	1,481	1,502
					(Thousand Metric Tons)						
Cow Milk Production	27,968	27,981	29,067	30,047	31,000	31,979	32,950	33,931	34,925	35,926	36,942
Fluid Milk Consumption	10,075	10,384	10,652	10,923	11,181	11,433	11,683	11,934	12,187	12,442	12,700
Manufacturing Use	18,390	18,095	18,912	19,621	20,317	21,044	21,765	22,495	23,236	23,982	24,740
Butter											
Production	76	82	86	87	89	90	92	94	97	99	102
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	76	82	86	87	89	90	92	94	97	99	102
Consumption	82	83	84	85	86	88	88	90	91	91	92
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	82	83	84	85	86	88	88	90	91	91	92
Net Trade	-6	-1	2	2	2	3	3	5	6	8	10
Cheese											
Production	614	647	690	729	758	790	821	852	884	915	947
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	614	647	690	729	758	790	821	852	884	915	947
Consumption	617	647	676	709	729	750	770	791	812	833	855
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	617	647	676	709	729	750	770	791	812	833	855
Net Trade	-3	0	14	20	29	40	51	62	73	82	92
Nonfat Dry Milk											
Production	125	139	143	152	163	170	182	198	213	230	248
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	125	139	143	152	163	170	182	198	213	230	248
Consumption	135	137	141	146	151	157	163	169	175	181	188
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	135	137	141	146	151	157	163	169	175	181	188
Net Trade	-10	2	3	6	12	13	20	29	38	49	60
Whole Milk Powder											
Production	473	530	576	604	630	654	684	716	751	784	816
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	473	530	576	604	630	654	684	716	751	784	816
Consumption	525	546	563	582	596	610	624	638	655	671	686
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	525	546	563	582	596	610	624	638	655	671	686
Net Trade	-52	-16	13	23	34	44	60	77	96	113	130

Canadian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	978	970	966	960	947	933	918	903	887	872	858
					(Kilograms)						
Milk Production per Cow	8,384	8,446	8,510	8,623	8,736	8,848	8,961	9,073	9,185	9,298	9,411
					(Thousand Metric Tons)						
Cow Milk Production	8,200	8,193	8,217	8,276	8,269	8,255	8,230	8,193	8,150	8,109	8,070
Fluid Milk Consumption	3,080	3,115	3,117	3,119	3,120	3,119	3,117	3,114	3,111	3,108	3,105
Manufacturing Use	4,725	4,686	4,710	4,770	4,767	4,760	4,742	4,715	4,682	4,650	4,620
Butter											
Production	82	85	87	90	90	91	92	93	93	94	95
Beginning Stocks	14	15	14	14	13	13	13	13	13	13	13
Domestic Supply	96	100	100	103	103	105	106	106	106	107	108
Consumption	89	91	91	90	89	89	88	88	87	87	86
Ending Stocks	15	14	14	13	13	13	13	13	13	13	13
Domestic Use	104	104	104	103	102	102	101	101	100	100	99
Net Trade	-8	-4	-4	0	1	3	4	5	6	7	9
Cheese											
Production	280	285	289	294	299	303	308	312	317	322	327
Beginning Stocks	59	46	46	47	47	47	47	48	48	48	49
Domestic Supply	339	331	336	340	345	350	355	360	365	371	376
Consumption	310	314	318	322	326	330	334	337	341	345	348
Ending Stocks	46	46	47	47	47	47	48	48	48	49	49
Domestic Use	356	360	364	369	373	377	381	385	389	393	397
Net Trade	-17	-17	-17	-17	-18	-18	-18	-18	-18	-18	-18
Nonfat Dry Milk											
Production	80	89	91	94	93	94	93	92	92	91	90
Beginning Stocks	29	32	39	40	40	40	40	40	40	39	39
Domestic Supply	109	121	130	134	133	134	133	132	131	130	129
Consumption	70	74	77	79	80	81	83	84	86	87	89
Ending Stocks	32	39	40	40	40	40	40	40	39	39	39
Domestic Use	102	114	116	119	120	121	123	124	125	126	128
Net Trade	7	8	14	15	13	12	11	8	6	4	2
Prices											
					(Canadian Dollars per Hectoliter)						
Industrial Milk, Target	74.64	74.60	76.22	77.88	79.60	81.36	83.15	84.98	86.84	88.74	90.69
Fluid Milk	83.94	83.90	85.39	86.90	88.48	90.08	91.72	93.39	95.10	96.84	98.61
					(Canadian Dollars per Kilogram)						
Butter Support	7.10	7.10	7.23	7.35	7.48	7.61	7.74	7.88	8.01	8.15	8.30
NFD Support	6.18	6.18	6.31	6.45	6.59	6.73	6.87	7.02	7.17	7.32	7.48

Chinese Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Thousand Head)										
Milk Cow Numbers	18,527	19,085	19,626	20,093	20,506	20,878	21,227	21,561	21,888	22,206	22,521
	(Kilograms)										
Milk Production per Cow	1,599	2,113	2,173	2,236	2,298	2,366	2,437	2,510	2,582	2,656	2,734
	(Thousand Metric Tons)										
Cow Milk Production	29,625	40,320	42,644	44,918	47,116	49,396	51,729	54,117	56,503	58,977	61,578
Fluid Milk Consumption	15,007	16,503	18,482	20,696	23,258	26,097	29,190	32,529	36,216	40,232	44,350
Manufacturing Use	14,966	23,974	24,275	24,295	23,892	23,297	22,501	21,514	20,179	18,602	17,049
Butter											
Production	104	105	107	109	112	114	117	119	121	124	126
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	104	105	107	109	112	114	117	119	121	124	126
Consumption	138	144	151	158	166	174	180	187	193	199	205
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	138	144	151	158	166	174	180	187	193	199	205
Net Trade	-34	-39	-44	-49	-55	-60	-64	-68	-71	-75	-79
Cheese											
Production	272	280	290	297	304	309	318	323	328	333	337
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	272	280	290	297	304	309	318	323	328	333	337
Consumption	325	333	344	356	369	382	396	410	424	437	451
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	325	333	344	356	369	382	396	410	424	437	451
Net Trade	-77	-77	-78	-83	-89	-97	-102	-111	-120	-129	-138
Nonfat Dry Milk											
Production	54	55	57	61	64	68	72	77	81	85	89
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	54	55	57	61	64	68	72	77	81	85	89
Consumption	119	125	138	148	158	168	178	189	200	211	223
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	119	125	138	148	158	168	178	189	200	211	223
Net Trade	-65	-70	-82	-88	-93	-99	-106	-112	-120	-127	-134
Whole Milk Powder											
Production	977	973	1,157	1,265	1,336	1,405	1,479	1,549	1,607	1,650	1,700
Beginning Stocks	120	110	0	0	0	0	0	0	0	0	0
Domestic Supply	1,097	1,093	1,277	1,385	1,456	1,525	1,599	1,669	1,727	1,770	1,820
Consumption	1,140	1,177	1,212	1,258	1,307	1,362	1,425	1,478	1,524	1,569	1,611
Ending Stocks	110	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,250	1,177	1,212	1,258	1,307	1,362	1,425	1,478	1,524	1,569	1,611
Net Trade	-153	-93	-55	6	29	43	54	71	83	82	88

Colombian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Thousand Head)										
Milk Cow Numbers	7,106	7,245	7,396	7,551	7,706	7,850	7,985	8,113	8,230	8,342	8,457
	(Kilograms)										
Milk Production per Cow	1,016	1,018	1,022	1,024	1,026	1,028	1,030	1,032	1,033	1,034	1,036
	(Thousand Metric Tons)										
Cow Milk Production	7,221	7,377	7,556	7,734	7,910	8,071	8,227	8,371	8,501	8,626	8,765
Fluid Milk Consumption	5,427	5,522	5,638	5,762	5,892	6,021	6,155	6,294	6,434	6,568	6,700
Manufacturing Use	1,191	1,272	1,333	1,384	1,427	1,456	1,472	1,489	1,492	1,504	1,531
Butter											
Production	22	22	23	23	23	24	24	24	24	24	24
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	22	22	23	23	23	24	24	24	24	24	24
Consumption	22	23	23	24	25	25	26	26	27	27	28
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	22	23	23	24	25	25	26	26	27	27	28
Net Trade	-1	-1	-1	-1	-1	-2	-2	-3	-3	-3	-4
Cheese											
Production	58	58	59	60	61	62	62	63	63	63	64
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	58	58	59	60	61	62	62	63	63	63	64
Consumption	58	59	60	61	62	63	64	66	67	68	69
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	58	59	60	61	62	63	64	66	67	68	69
Net Trade	-1	-1	-1	-1	-1	-2	-2	-3	-4	-5	-5
Nonfat Dry Milk											
Production	10	10	10	10	11	11	11	11	11	11	11
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	10	10	10	10	11	11	11	11	11	11	11
Consumption	9	9	9	10	10	10	11	11	11	12	12
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	9	9	9	10	10	10	11	11	11	12	12
Net Trade	1	1	1	1	1	0	0	0	-1	-1	-1
Whole Milk Powder											
Production	36	44	50	55	59	62	63	64	64	65	68
Beginning Stocks	8	8	8	8	8	8	8	8	8	8	8
Domestic Supply	44	52	58	63	67	70	71	72	72	73	76
Consumption	37	39	40	42	44	46	48	50	52	54	55
Ending Stocks	8	8	8	8	8	8	8	8	8	8	8
Domestic Use	45	47	48	50	52	54	56	58	60	62	63
Net Trade	-1	5	9	13	15	16	15	14	12	11	12

Egyptian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Thousand Head)										
Milk Cow Numbers	1,635	1,645	1,652	1,669	1,688	1,702	1,724	1,745	1,761	1,772	1,784
	(Kilograms)										
Milk Production per Cow	982	1,015	1,065	1,122	1,179	1,235	1,295	1,361	1,425	1,490	1,556
	(Thousand Metric Tons)										
Cow Milk Production	1,606	1,670	1,760	1,873	1,990	2,102	2,233	2,375	2,510	2,641	2,776
Fluid Milk Consumption	1,694	1,786	1,884	1,974	2,043	2,111	2,178	2,233	2,293	2,352	2,411
Manufacturing Use	2,110	2,146	2,222	2,303	2,394	2,471	2,561	2,672	2,770	2,862	2,959
Butter											
Production	6	6	5	5	5	5	5	6	6	6	6
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	6	6	5	5	5	5	5	6	6	6	6
Consumption	59	62	64	66	69	71	73	76	78	80	82
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	59	62	64	66	69	71	73	76	78	80	82
Net Trade	-53	-57	-59	-61	-64	-66	-68	-70	-72	-74	-76
Cheese											
Production	441	456	474	491	508	526	543	560	578	596	615
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	441	456	474	491	508	526	543	560	578	596	615
Consumption	453	470	490	509	527	546	566	584	603	622	641
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	453	470	490	509	527	546	566	584	603	622	641
Net Trade	-12	-14	-16	-18	-19	-21	-23	-24	-25	-26	-27
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	33	34	35	36	37	38	39	40	41	42	42
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	33	34	35	36	37	38	39	40	41	42	42
Net Trade	-33	-34	-35	-36	-37	-38	-39	-40	-41	-42	-42
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	41	43	45	47	49	51	53	54	56	58	60
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	41	43	45	47	49	51	53	54	56	58	60
Net Trade	-41	-43	-45	-47	-49	-51	-53	-54	-56	-58	-60

Indian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Thousand Head)										
Milk Cow Numbers	38,125	38,267	38,483	38,751	39,056	39,386	39,734	40,095	40,464	40,840	41,220
	(Kilograms)										
Milk Production per Cow	1,194	1,241	1,276	1,311	1,346	1,380	1,415	1,450	1,485	1,520	1,555
	(Thousand Metric Tons)										
Cow Milk Production	45,524	47,479	49,093	50,787	52,550	54,371	56,240	58,153	60,104	62,089	64,108
Buffalo Milk Production	62,876	66,088	68,143	70,227	72,425	74,655	76,917	79,344	81,809	84,310	86,849
Total Milk Production	108,400	113,567	117,236	121,014	124,975	129,026	133,157	137,497	141,912	146,399	150,957
Fluid Milk Consumption	45,116	48,527	50,187	51,812	53,425	55,061	56,715	58,406	60,123	61,838	63,559
Manufacturing Use	63,278	65,034	67,043	69,197	71,544	73,959	76,436	79,086	81,784	84,555	87,392
Butter											
Production	3,855	4,349	4,605	4,877	5,122	5,350	5,545	5,747	5,948	6,110	6,270
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	3,855	4,349	4,605	4,877	5,122	5,350	5,545	5,747	5,948	6,110	6,270
Consumption	3,871	4,346	4,595	4,857	5,099	5,328	5,526	5,729	5,937	6,104	6,271
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	3,871	4,346	4,595	4,857	5,099	5,328	5,526	5,729	5,937	6,104	6,271
Net Trade	-16	3	10	20	23	22	19	17	11	6	-1
Nonfat Dry Milk											
Production	364	398	416	432	449	468	490	514	538	564	590
Beginning Stocks	15	11	11	11	11	11	11	11	11	11	11
Domestic Supply	379	410	428	443	460	479	501	525	549	575	601
Consumption	336	362	374	384	394	405	417	430	444	457	469
Ending Stocks	11	11	11	11	11	11	11	11	11	11	11
Domestic Use	348	373	385	396	406	416	428	441	455	468	481
Net Trade	31	36	42	48	55	63	73	83	95	107	120

Indonesian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	390	413	429	446	459	470	478	484	490	495	500
					(Kilograms)						
Milk Production per Cow	2,538	2,566	2,583	2,595	2,609	2,623	2,636	2,648	2,661	2,674	2,687
					(Thousand Metric Tons)						
Cow Milk Production	989	1,059	1,109	1,156	1,197	1,231	1,258	1,282	1,303	1,323	1,343
Fluid Milk Consumption	342	349	358	366	374	382	391	399	408	416	423
Manufacturing Use	1,019	1,088	1,135	1,180	1,219	1,251	1,276	1,296	1,315	1,333	1,352
Butter											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	14	15	15	15	16	16	16	17	17	17	18
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	14	15	15	15	16	16	16	17	17	17	18
Net Trade	-14	-15	-15	-15	-16	-16	-16	-17	-17	-17	-18
Cheese											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	9	9	10	10	10	11	11	11	12	12	12
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	9	9	10	10	10	11	11	11	12	12	12
Net Trade	-9	-9	-10	-10	-10	-11	-11	-11	-12	-12	-12
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	7	8	8	8	8	8	8	8	8	8	8
Domestic Supply	7	8	8	8	8	8	8	8	8	8	8
Consumption	172	178	185	192	198	205	212	220	227	235	241
Ending Stocks	8	8	8	8	8	8	8	8	8	8	8
Domestic Use	180	186	193	200	206	213	220	228	235	243	249
Net Trade	-173	-178	-185	-192	-198	-205	-212	-220	-227	-235	-241
Whole Milk Powder											
Production	56	57	61	64	65	68	70	72	73	74	75
Beginning Stocks	6	8	8	8	8	8	8	8	8	8	8
Domestic Supply	62	65	69	72	73	76	78	80	81	82	83
Consumption	100	103	107	111	115	118	122	126	130	134	137
Ending Stocks	8	8	8	8	8	8	8	8	8	8	8
Domestic Use	108	111	115	119	123	126	130	134	138	142	145
Net Trade	-46	-46	-46	-47	-49	-50	-52	-54	-57	-60	-62

Japanese Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	848	844	839	833	826	817	808	798	788	776	765
					(Kilograms)						
Milk Production per Cow	9,316	9,370	9,420	9,469	9,518	9,566	9,614	9,662	9,711	9,760	9,808
					(Thousand Metric Tons)						
Cow Milk Production	7,900	7,905	7,899	7,885	7,857	7,819	7,771	7,714	7,649	7,578	7,504
Fluid Milk Consumption	4,300	4,267	4,244	4,228	4,215	4,203	4,190	4,172	4,146	4,117	4,086
Manufacturing Use	3,525	3,563	3,581	3,583	3,569	3,544	3,510	3,472	3,433	3,393	3,350
Butter											
Production	57	57	57	57	56	56	55	55	54	53	53
Beginning Stocks	25	30	30	30	30	30	30	30	30	30	30
Domestic Supply	82	87	87	87	86	86	85	85	84	83	83
Consumption	75	81	83	84	84	85	85	85	85	85	84
Ending Stocks	30	30	30	30	30	30	30	30	30	30	30
Domestic Use	105	111	113	114	114	115	115	115	115	115	114
Net Trade	-24	-24	-27	-27	-28	-29	-30	-30	-31	-31	-32
Cheese											
Production	45	56	62	65	66	67	67	67	67	67	67
Beginning Stocks	15	15	15	15	15	15	15	15	15	15	15
Domestic Supply	60	71	77	80	81	82	82	82	82	82	82
Consumption	230	240	249	255	259	262	266	269	271	273	275
Ending Stocks	15	15	15	15	15	15	15	15	15	15	15
Domestic Use	245	255	264	270	274	277	281	284	286	288	290
Net Trade	-185	-184	-187	-190	-193	-195	-198	-202	-204	-206	-207
Nonfat Dry Milk											
Production	165	161	159	158	156	154	151	148	145	142	139
Beginning Stocks	31	51	51	51	51	51	51	51	51	51	51
Domestic Supply	196	212	210	209	207	205	202	199	196	193	190
Consumption	180	189	189	189	189	190	190	190	190	190	190
Ending Stocks	51	51	51	51	51	51	51	51	51	51	51
Domestic Use	231	240	240	240	240	241	241	241	241	241	241
Net Trade	-35	-28	-30	-31	-33	-36	-39	-42	-45	-48	-50
Prices											
					(Yen per Kilogram)						
Milk Farm Price	88	88	88	87	86	84	83	81	80	79	78
Butter Wholesale	1,165	1,170	1,171	1,160	1,143	1,133	1,133	1,135	1,139	1,143	1,148
NFD Wholesale	606	618	625	629	631	635	639	641	643	646	648
Cheese Retail	2,248	2,466	2,670	2,844	2,991	3,125	3,245	3,351	3,444	3,529	3,608

Malaysian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	99	102	106	109	112	116	120	123	126	128	131
					(Kilograms)						
Milk Production per Cow	572	599	618	628	639	648	658	668	679	689	701
					(Thousand Metric Tons)						
Cow Milk Production	57	61	65	68	72	75	79	82	85	88	92
Fluid Milk Consumption	55	58	59	61	64	66	68	70	73	75	77
Manufacturing Use	16	18	21	23	24	26	28	30	32	34	36
Butter											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	11	11	12	12	13	13	14	14	15	15	16
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	11	11	12	12	13	13	14	14	15	15	16
Net Trade	-11	-11	-12	-12	-13	-13	-14	-14	-15	-15	-16
Cheese											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	8	8	9	9	10	10	11	11	12	12	12
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	8	8	9	9	10	10	11	11	12	12	12
Net Trade	-8	-8	-9	-9	-10	-10	-11	-11	-12	-12	-12
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	51	53	55	56	58	60	62	65	67	69	71
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	51	53	55	56	58	60	62	65	67	69	71
Net Trade	-51	-53	-55	-56	-58	-60	-62	-65	-67	-69	-71
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	101	104	106	109	112	115	118	121	124	126	129
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	101	104	106	109	112	115	118	121	124	126	129
Net Trade	-101	-104	-106	-109	-112	-115	-118	-121	-124	-126	-129

Mexican Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	2,334	2,371	2,382	2,421	2,462	2,506	2,541	2,566	2,602	2,641	2,687
					(Kilograms)						
Milk Production per Cow	4,770	4,807	4,861	4,913	5,027	5,112	5,193	5,267	5,352	5,410	5,479
					(Thousand Metric Tons)						
Cow Milk Production	11,132	11,398	11,581	11,895	12,379	12,811	13,194	13,517	13,924	14,290	14,724
Fluid Milk Consumption	4,421	4,561	4,689	4,760	4,845	4,932	5,025	5,141	5,264	5,384	5,501
Manufacturing Use	6,915	7,045	7,100	7,343	7,742	8,087	8,377	8,585	8,868	9,114	9,431
Butter											
Production	165	170	175	180	186	191	195	200	204	208	212
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	165	170	175	180	186	191	195	200	204	208	212
Consumption	223	227	232	238	243	249	254	260	266	272	278
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	223	227	232	238	243	249	254	260	266	272	278
Net Trade	-58	-57	-57	-58	-58	-58	-59	-60	-62	-64	-66
Cheese											
Production	225	232	233	236	243	248	250	250	254	259	268
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	225	232	233	236	243	248	250	250	254	259	268
Consumption	293	298	305	311	318	326	333	341	350	359	367
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	293	298	305	311	318	326	333	341	350	359	367
Net Trade	-68	-67	-72	-75	-76	-77	-83	-91	-96	-100	-100
Nonfat Dry Milk											
Production	25	28	31	35	39	44	45	48	49	50	52
Beginning Stocks	20	20	20	20	20	20	20	20	20	20	20
Domestic Supply	45	48	51	55	59	64	65	68	69	70	72
Consumption	153	161	167	172	176	183	186	191	197	202	206
Ending Stocks	20	20	20	20	20	20	20	20	20	20	20
Domestic Use	173	181	187	192	196	203	206	211	217	222	226
Net Trade	-128	-133	-136	-137	-137	-139	-141	-143	-148	-151	-154
Whole Milk Powder											
Production	120	123	124	126	129	131	133	133	134	134	135
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	120	123	124	126	129	131	133	133	134	134	135
Consumption	151	160	165	171	177	182	188	193	199	205	210
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	151	160	165	171	177	182	188	193	199	205	210
Net Trade	-31	-37	-42	-45	-47	-51	-55	-60	-65	-70	-75

New Zealand Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	4,426	4,521	4,614	4,702	4,773	4,832	4,878	4,917	4,948	4,972	4,992
					(Kilograms)						
Milk Production per Cow	3,806	3,844	3,908	3,967	4,012	4,055	4,094	4,137	4,174	4,210	4,247
					(Thousand Metric Tons)						
Cow Milk Production	16,846	17,382	18,032	18,652	19,147	19,595	19,971	20,341	20,652	20,934	21,202
Fluid Milk Consumption	336	336	328	321	316	312	308	304	301	298	295
Manufacturing Use	16,359	16,895	17,551	18,177	18,677	19,128	19,507	19,881	20,194	20,479	20,750
Butter											
Production	419	430	440	451	457	462	466	470	475	479	483
Beginning Stocks	73	66	66	66	66	66	66	66	66	66	66
Domestic Supply	492	496	506	517	523	528	533	536	541	545	549
Consumption	22	22	21	21	21	21	21	21	21	21	20
Ending Stocks	66	66	66	66	66	66	66	66	66	66	66
Domestic Use	88	88	87	87	87	87	87	87	87	87	87
Net Trade	404	408	419	430	436	441	445	449	454	458	462
Cheese											
Production	301	321	364	398	420	439	458	478	496	510	523
Beginning Stocks	43	43	43	43	43	43	43	43	43	43	43
Domestic Supply	344	363	407	441	462	482	501	520	539	553	566
Consumption	21	22	21	22	22	23	24	24	25	25	26
Ending Stocks	43	43	43	43	43	43	43	43	43	43	43
Domestic Use	64	65	64	64	65	66	66	67	68	68	69
Net Trade	280	299	343	377	397	416	435	453	471	484	497
Nonfat Dry Milk											
Production	316	327	338	350	359	366	372	376	383	389	395
Beginning Stocks	55	53	53	53	53	53	53	53	53	53	53
Domestic Supply	371	379	390	402	411	419	424	429	435	441	447
Consumption	2	1	1	1	1	1	1	1	1	1	1
Ending Stocks	53	53	53	53	53	53	53	53	53	53	53
Domestic Use	54	54	53	53	53	53	54	54	54	54	54
Net Trade	317	326	337	349	358	365	371	375	381	387	393
Whole Milk Powder											
Production	781	789	789	794	802	809	813	818	821	823	825
Beginning Stocks	72	68	68	65	64	64	64	63	63	63	63
Domestic Supply	853	857	858	859	866	873	877	881	883	886	888
Consumption	1	1	1	1	1	1	1	1	1	1	1
Ending Stocks	68	68	65	64	64	64	63	63	63	63	63
Domestic Use	69	70	66	65	65	65	63	64	64	64	64
Net Trade	784	787	792	794	801	808	814	817	819	822	824

Peruvian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	886	918	974	1,030	1,094	1,160	1,215	1,262	1,302	1,336	1,364
					(Kilograms)						
Milk Production per Cow	2,120	2,187	2,239	2,292	2,344	2,403	2,460	2,515	2,570	2,623	2,676
					(Thousand Metric Tons)						
Cow Milk Production	1,878	2,008	2,180	2,360	2,564	2,787	2,990	3,175	3,346	3,503	3,649
Fluid Milk Consumption	813	855	904	943	988	1,034	1,082	1,132	1,184	1,238	1,292
Manufacturing Use	1,060	1,148	1,271	1,412	1,571	1,747	1,902	2,037	2,157	2,260	2,352
Butter											
Production	2	2	2	3	3	3	3	3	4	4	4
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	2	2	2	3	3	3	3	3	4	4	4
Consumption	3	4	4	4	4	5	5	5	5	6	6
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	3	4	4	4	4	5	5	5	5	6	6
Net Trade	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2
Cheese											
Production	14	15	15	14	13	11	10	9	8	8	7
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	14	15	15	14	13	11	10	9	8	8	7
Consumption	18	20	21	22	23	24	25	26	27	28	29
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	18	20	21	22	23	24	25	26	27	28	29
Net Trade	-4	-4	-6	-8	-11	-13	-15	-17	-18	-20	-21
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	1	1	1	1	1	1	1	1	1	1	1
Consumption	8	9	10	10	11	12	12	13	14	14	15
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	9	10	11	11	12	13	13	14	15	15	16
Net Trade	-8	-9	-10	-10	-11	-12	-12	-13	-14	-14	-15
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	1	1	1	1	1	1	1	1	1	1	1
Consumption	11	13	14	15	16	18	19	20	22	23	25
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	12	14	15	16	17	19	20	21	23	24	26
Net Trade	-11	-13	-14	-15	-16	-18	-19	-20	-22	-23	-25

Russian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	9,530	9,318	9,128	8,976	8,851	8,747	8,658	8,582	8,515	8,454	8,398
					(Kilograms)						
Milk Production per Cow	3,410	3,480	3,550	3,620	3,690	3,760	3,830	3,900	3,970	4,040	4,110
					(Thousand Metric Tons)						
Cow Milk Production	32,500	32,428	32,407	32,493	32,660	32,887	33,161	33,469	33,802	34,153	34,516
Fluid Milk Consumption	12,105	12,170	12,230	12,305	12,307	12,309	12,310	12,315	12,323	12,326	12,335
Manufacturing Use	17,800	17,723	17,696	17,749	17,949	18,204	18,502	18,827	19,171	19,535	19,905
Butter											
Production	280	285	287	289	291	292	293	294	295	297	298
Beginning Stocks	12	12	12	12	12	12	13	13	13	13	13
Domestic Supply	292	297	299	301	304	304	305	306	307	309	311
Consumption	410	425	434	443	445	447	449	451	453	456	459
Ending Stocks	12	12	12	12	12	13	13	13	13	13	13
Domestic Use	422	438	447	455	457	459	461	463	466	468	472
Net Trade	-130	-141	-148	-154	-153	-155	-156	-157	-158	-159	-161
Cheese											
Production	445	449	455	459	466	472	477	484	490	497	504
Beginning Stocks	12	12	12	12	12	12	12	12	12	12	12
Domestic Supply	457	461	467	471	478	484	489	496	502	509	516
Consumption	735	742	752	766	772	779	789	799	809	819	831
Ending Stocks	12	12	12	12	12	12	12	12	12	12	12
Domestic Use	747	754	764	778	784	791	801	811	821	831	843
Net Trade	-290	-293	-297	-306	-306	-308	-312	-315	-319	-322	-327
Nonfat Dry Milk											
Production	70	110	109	109	109	111	114	116	119	121	124
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	70	110	109	109	109	111	114	116	119	121	124
Consumption	105	153	159	166	171	175	179	184	188	193	198
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	105	153	159	166	171	175	179	184	188	193	198
Net Trade	-35	-43	-50	-57	-62	-64	-66	-68	-70	-72	-74
Whole Milk Powder											
Production	70	69	70	71	72	74	74	75	76	77	78
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	70	69	70	71	72	74	74	75	76	77	78
Consumption	96	99	102	106	109	112	114	116	118	120	122
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	96	99	102	106	109	112	114	116	118	120	122
Net Trade	-26	-29	-33	-35	-37	-38	-40	-41	-42	-43	-44

South Korean Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Thousand Head)										
Milk Cow Numbers	203	203	206	206	205	205	204	203	203	203	203
	(Kilograms)										
Milk Production per Cow	10,222	10,540	10,837	10,971	11,135	11,310	11,482	11,656	11,831	12,006	12,182
	(Thousand Metric Tons)										
Cow Milk Production	2,075	2,138	2,231	2,263	2,285	2,313	2,341	2,371	2,402	2,435	2,471
Fluid Milk Consumption	1,556	1,564	1,589	1,602	1,609	1,616	1,622	1,627	1,632	1,636	1,639
Manufacturing Use	519	574	642	660	676	698	720	744	770	799	832
Butter											
Production	50	51	54	55	55	56	55	56	56	56	57
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	50	51	54	55	55	56	55	56	56	56	57
Consumption	59	60	61	62	62	63	63	64	64	64	65
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	59	60	61	62	62	63	63	64	64	64	65
Net Trade	-10	-8	-7	-7	-7	-7	-8	-8	-8	-8	-8
Cheese											
Production	26	28	32	34	35	35	36	37	38	39	41
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	27	29	33	35	36	36	37	38	39	40	42
Consumption	76	81	86	89	91	93	95	97	99	101	103
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	77	82	87	90	92	94	96	98	100	102	104
Net Trade	-50	-52	-53	-55	-56	-58	-59	-60	-61	-62	-62
Nonfat Dry Milk											
Production	17	15	17	18	18	19	20	20	20	20	20
Beginning Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Supply	22	20	22	23	23	24	25	25	25	25	25
Consumption	25	25	25	26	26	26	26	26	26	26	26
Ending Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Use	30	30	30	31	31	31	31	31	31	31	31
Net Trade	-8	-10	-8	-8	-7	-7	-6	-6	-6	-6	-6
Whole Milk Powder											
Production	2	2	2	2	2	2	2	1	1	1	1
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	2	2	2	2	2	2	2	1	1	1	1
Consumption	6	6	6	6	6	6	6	6	6	6	6
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	6	6	6	6	6	6	6	6	6	6	6
Net Trade	-3	-4	-4	-4	-4	-5	-5	-5	-5	-5	-5

Thai Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	298	304	310	316	322	337	354	364	377	389	402
					(Kilograms)						
Milk Production per Cow	3,101	3,199	3,282	3,331	3,386	3,434	3,486	3,541	3,598	3,653	3,709
					(Thousand Metric Tons)						
Cow Milk Production	924	973	1,016	1,052	1,091	1,156	1,234	1,289	1,355	1,421	1,493
Fluid Milk Consumption	868	927	959	1,015	1,091	1,171	1,258	1,346	1,436	1,525	1,614
Manufacturing Use	11	11	10	10	10	10	10	10	10	10	10
Butter											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	14	15	15	16	17	17	18	18	19	20	20
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	14	15	15	16	17	17	18	18	19	20	20
Net Trade	-14	-15	-15	-16	-17	-17	-18	-18	-19	-20	-20
Cheese											
Production	1	1	1	1	1	1	1	1	1	1	1
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1	1	1	1	1	1	1	1	1	1	1
Consumption	4	4	4	4	4	4	5	5	5	5	5
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	4	4	4	4	4	4	5	5	5	5	5
Net Trade	-2	-3	-3	-3	-3	-3	-3	-3	-4	-4	-4
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Supply	5	5	5	5	5	5	5	5	5	5	5
Consumption	75	77	78	80	82	84	86	89	91	94	97
Ending Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Use	80	82	83	85	87	89	91	94	96	99	102
Net Trade	-75	-77	-78	-80	-82	-84	-86	-89	-91	-94	-97
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	6	6	6	6	6	6	6	6	6	6	6
Domestic Supply	6	6	6	6	6	6	6	6	6	6	6
Consumption	39	41	42	43	44	46	47	48	50	51	52
Ending Stocks	6	6	6	6	6	6	6	6	6	6	6
Domestic Use	45	47	48	49	50	52	53	54	56	57	58
Net Trade	-39	-41	-42	-43	-44	-46	-47	-48	-50	-51	-52

Ukrainian Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	(Thousand Head)										
Milk Cow Numbers	2,856	2,741	2,670	2,636	2,617	2,604	2,598	2,586	2,584	2,582	2,580
	(Kilograms)										
Milk Production per Cow	3,957	4,075	4,175	4,275	4,375	4,474	4,574	4,674	4,774	4,874	4,974
	(Thousand Metric Tons)										
Cow Milk Production	11,300	11,167	11,144	11,267	11,447	11,652	11,883	12,089	12,339	12,588	12,836
Fluid Milk Consumption	3,527	3,615	3,796	4,001	4,174	4,324	4,446	4,570	4,702	4,838	4,980
Manufacturing Use	7,050	6,880	6,700	6,629	6,643	6,702	6,813	6,899	7,018	7,131	7,237
Butter											
Production	72	83	95	101	108	115	122	130	137	145	153
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	72	83	95	101	108	115	122	130	137	145	153
Consumption	89	94	96	98	99	99	102	103	103	103	104
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	89	94	96	98	99	99	102	103	103	103	104
Net Trade	-17	-11	-1	3	9	16	21	27	34	42	49
Cheese											
Production	250	259	270	281	290	298	305	314	322	331	339
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	250	259	270	281	290	298	305	314	322	331	339
Consumption	182	189	199	208	215	221	226	230	236	241	248
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	182	189	199	208	215	221	226	230	236	241	248
Net Trade	68	70	71	73	75	76	80	83	86	89	92
Nonfat Dry Milk											
Production	48	54	57	62	68	74	81	87	95	102	110
Beginning Stocks	2	2	2	2	2	2	2	2	2	2	2
Domestic Supply	50	56	59	64	70	76	83	89	97	104	112
Consumption	34	35	35	36	36	36	36	36	37	37	38
Ending Stocks	2	2	2	2	2	2	2	2	2	2	2
Domestic Use	36	37	37	38	38	38	38	38	39	39	40
Net Trade	14	19	22	27	32	38	44	51	58	65	72
Whole Milk Powder											
Production	15	26	27	29	31	33	35	37	39	41	43
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	15	26	27	29	31	33	35	37	39	41	43
Consumption	12	12	12	13	13	14	14	14	15	15	15
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	12	12	12	13	13	14	14	14	15	15	15
Net Trade	3	14	15	16	18	19	21	23	24	26	28

Uruguayan Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	968	976	986	993	1,000	1,007	1,014	1,020	1,027	1,034	1,041
					(Kilograms)						
Milk Production per Cow	1,727	1,737	1,743	1,755	1,763	1,772	1,778	1,786	1,797	1,808	1,820
					(Thousand Metric Tons)						
Cow Milk Production	1,672	1,695	1,719	1,743	1,763	1,784	1,802	1,822	1,846	1,869	1,894
Fluid Milk Consumption	343	368	375	383	391	400	408	418	426	433	439
Manufacturing Use	1,179	1,173	1,190	1,205	1,217	1,228	1,237	1,246	1,262	1,278	1,296
Butter											
Production	22	22	23	24	24	25	26	27	28	29	31
Beginning Stocks	4	4	4	4	4	4	4	4	4	4	4
Domestic Supply	26	26	27	28	28	29	30	31	32	33	35
Consumption	5	5	6	6	6	6	6	6	6	7	7
Ending Stocks	4	4	4	4	4	4	4	4	4	4	4
Domestic Use	9	9	10	10	10	10	10	10	10	11	11
Net Trade	16	17	17	18	19	19	20	21	22	23	24
Cheese											
Production	55	55	57	58	60	61	62	63	65	66	68
Beginning Stocks	3	3	3	3	3	3	3	3	3	3	3
Domestic Supply	58	58	60	61	63	64	65	66	68	69	71
Consumption	11	11	12	12	12	13	13	13	14	14	14
Ending Stocks	3	3	3	3	3	3	3	3	3	3	3
Domestic Use	14	14	15	15	15	16	16	16	17	17	17
Net Trade	44	44	45	46	47	48	49	50	51	52	54
Nonfat Dry Milk											
Production	14	15	16	18	19	20	21	22	23	25	26
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	15	16	17	19	20	21	22	23	24	26	27
Consumption	2	2	3	3	3	3	3	3	3	3	3
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	3	3	4	4	4	4	4	4	4	4	4
Net Trade	12	13	14	15	16	17	18	19	20	21	23
Whole Milk Powder											
Production	38	40	43	46	48	49	51	52	54	56	59
Beginning Stocks	11	11	11	11	11	11	11	11	11	11	11
Domestic Supply	49	51	54	57	59	60	62	63	65	67	70
Consumption	4	5	5	5	5	5	5	5	5	5	5
Ending Stocks	11	11	11	11	11	11	11	11	11	11	11
Domestic Use	15	16	16	16	16	16	16	16	16	16	16
Net Trade	34	36	38	41	43	44	46	47	49	51	53

Venezuelan Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	819	854	893	910	914	914	913	911	909	907	904
					(Kilograms)						
Milk Production per Cow	1,831	1,849	1,868	1,885	1,902	1,920	1,937	1,955	1,972	1,990	2,007
					(Thousand Metric Tons)						
Cow Milk Production	1,499	1,580	1,668	1,715	1,738	1,755	1,768	1,781	1,793	1,805	1,815
Fluid Milk Consumption	186	186	189	191	194	197	199	202	205	208	210
Manufacturing Use	1,314	1,394	1,480	1,524	1,544	1,558	1,569	1,579	1,588	1,597	1,605
Butter											
Production	1	1	1	1	1	1	1	1	1	2	2
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1	1	1	1	1	1	1	1	1	2	2
Consumption	4	4	4	4	5	5	5	5	6	6	6
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	4	4	4	4	5	5	5	5	6	6	6
Net Trade	-3	-3	-3	-3	-3	-3	-4	-4	-4	-4	-4
Cheese											
Production	74	78	82	84	85	85	86	86	87	87	87
Beginning Stocks	28	28	28	28	28	28	28	28	28	28	28
Domestic Supply	102	106	110	112	113	113	114	114	115	115	115
Consumption	79	83	88	93	96	99	102	106	109	112	115
Ending Stocks	28	28	28	28	28	28	28	28	28	28	28
Domestic Use	107	111	116	121	124	127	130	134	137	140	143
Net Trade	-5	-5	-6	-9	-11	-14	-17	-19	-22	-25	-28
Nonfat Dry Milk											
Production	4	4	4	4	4	4	4	4	5	5	5
Beginning Stocks	3	3	3	3	3	3	3	3	3	3	3
Domestic Supply	7	7	7	7	7	7	7	7	8	8	8
Consumption	11	11	11	11	12	12	12	12	12	13	13
Ending Stocks	3	3	3	3	3	3	3	3	3	3	3
Domestic Use	14	14	14	14	15	15	15	15	15	16	16
Net Trade	-7	-7	-7	-7	-7	-7	-7	-8	-8	-8	-8
Whole Milk Powder											
Production	30	31	32	33	34	34	34	34	34	34	35
Beginning Stocks	34	34	34	34	34	34	34	34	34	34	34
Domestic Supply	64	65	66	67	68	68	68	68	68	68	69
Consumption	123	125	127	129	131	133	135	136	138	140	142
Ending Stocks	34	34	34	34	34	34	34	34	34	34	34
Domestic Use	157	159	161	163	165	167	169	170	172	174	176
Net Trade	-94	-95	-95	-96	-97	-99	-101	-102	-104	-106	-107

Vietnamese Dairy Supply and Utilization

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
					(Thousand Head)						
Milk Cow Numbers	177	187	199	215	231	247	261	276	290	303	318
					(Kilograms)						
Milk Production per Cow	1,757	1,832	1,907	1,982	2,057	2,132	2,207	2,282	2,357	2,432	2,507
					(Thousand Metric Tons)						
Cow Milk Production	311	342	380	427	475	526	577	629	683	737	796
Fluid Milk Consumption	174	177	183	192	201	210	218	228	237	247	257
Manufacturing Use	0	0	0	0	0	0	0	0	0	0	0
Butter											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	7	7	7	8	9	9	10	10	11	11	12
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	7	7	7	8	9	9	10	10	11	11	12
Net Trade	-7	-7	-7	-8	-9	-9	-10	-10	-11	-11	-12
Cheese											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	1	1	1	1	1	1	2	2	2	2	2
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1	1	1	1	1	1	2	2	2	2	2
Net Trade	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	54	54	56	59	61	62	64	66	68	70	72
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	54	54	56	59	61	62	64	66	68	70	72
Net Trade	-54	-54	-56	-59	-61	-62	-64	-66	-68	-70	-72
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	35	36	38	39	40	41	43	45	48	51	54
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	35	36	38	39	40	41	43	45	48	51	54
Net Trade	-35	-36	-38	-39	-40	-41	-43	-45	-48	-51	-54

Per Capita Dairy Consumption of Selected Countries (continued)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Switzerland											
						(Kilograms)					
Fluid Milk	98.4	97.6	97.0	96.4	95.6	94.8	94.1	93.4	92.7	92.1	91.4
Butter	5.9	6.0	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8
Cheese	19.2	19.3	19.4	19.5	19.6	19.6	19.7	19.7	19.8	19.9	20.0
NFD Milk	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3
Thailand											
Fluid Milk	13.1	13.9	14.3	15.0	16.1	17.2	18.4	19.6	20.8	22.0	23.2
Butter	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
Cheese	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NFD Milk	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4
Whole Milk Powder	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Ukraine											
Fluid Milk	77.7	80.1	84.6	89.8	94.2	98.2	101.7	105.2	109.0	112.9	117.0
Butter	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.4
Cheese	4.0	4.2	4.4	4.7	4.9	5.0	5.2	5.3	5.5	5.6	5.8
NFD Milk	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
Whole Milk Powder	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
United States											
Total Fluid Milk	89.3	89.0	88.5	88.3	88.0	87.8	87.7	87.5	87.3	87.1	87.0
Butter	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1
Cheese	14.7	14.9	14.9	15.0	15.0	15.1	15.2	15.2	15.3	15.3	15.4
NFD Milk	1.8	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Uruguay											
Fluid Milk	97.7	104.3	106.0	107.7	109.5	111.5	113.3	115.8	117.5	118.9	120.2
Butter	1.4	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.9
Cheese	3.2	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.9
NFD Milk	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0
Whole Milk Powder	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5
Venezuela											
Fluid Milk	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
Butter	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Cheese	2.9	3.0	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.6	3.7
NFD Milk	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Whole Milk Powder	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Vietnam											
Fluid Milk	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.6
Butter	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cheese	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NFD Milk	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
Whole Milk Powder	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5

