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## Contents

Economic Outlook Export Products
Regional Exports Import Products Regional Imports
Contact Information

## Tables

Macro Trends Commodity Exports Regional Exports Commodity Imports Regional Imports Reliability Tables

## Web Sites

U.S. Trade Data

FAQ \& Summary
Data
Articles on U.S. Trade
$\qquad$

The next release is November 30, 2011

Approved by the World Agricultural Outlook Board.

Fiscal 2012 agricultural exports are projected at $\$ 137$ billion, the same as the 2011 forecast. Horticultural products are projected to increase sharply in fiscal 2012, due to strong demand from Canada, Europe, and Japan. Grain and feed exports are expected up as greater corn, feeds, and fodders outweigh a drop in wheat exports. Exports of livestock, poultry, and dairy products are up on strong pork, poultry, and animal byproducts exports. Oilseeds are forecast down based on lower volumes. Cotton exports are forecast down on tighter U.S. exportable supplies and greater competition from foreign exporters. Fiscal 2011 exports are the same as the May forecast at $\$ 137$ million, with grain and feed exports down mostly due to lower corn volume, offset by higher livestock, poultry, and dairy products. Oilseeds and product exports are lowered while horticultural exports are raised.

The forecast for 2012 imports is $\$ 105$ billion-11 percent higher than 2011. The revised U.S. import bill for 2011 is $\$ 94.5$ billion, a 20-percent jump from 2010. Although prices of some key imported commodities such as tropical oils, sugar, rubber, coffee, bananas, and beef have declined or flattened in recent months, they have been generally rising since 2009, and are expected to remain near current levels through fiscal 2012.

Given that the forecast for exports is unchanged while imports are rising, the trade balance for 2012 is a surplus of $\$ 32$ billion, which would be the third highest ever. The 2011 surplus, at $\$ 42.5$ billion, remains a record.

Table 1--U.S. agricultural trade, fiscal years 2007-12, year ending September 30

| Item | 2007 | 2008 | 2009 | 2010 | Forecast fiscal year |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 2011 |  | 2012 |
|  |  |  |  |  | May | Aug. | Aug. |
|  | Billion dollars |  |  |  |  |  |  |
| Exports | 82.2 | 114.9 | 96.3 | 108.7 | 137.0 | 137.0 | 137.0 |
| Imports | 70.1 | 79.3 | 73.4 | 79.0 | 93.0 | 94.5 | 105.0 |
| Balance | 12.1 | 35.6 | 22.9 | 29.7 | 44.0 | 42.5 | 32.0 |

[^0]
## View for 2012 World Growth Still Slow; Inflation to Moderate; Dollar Down Modestly

World economic growth is expected to be 3.5 percent in 2012, compared with 2.9 percent in 2011, with the world inflation rate and the dollar falling. Some Asian and Latin American central banks are likely to continue raising short-term interest rates and tightening credit into 2012, to control inflation and limit credit growth. In the developing world, despite tighter labor markets, overall inflation is expected to be lower in 2012 than in 2011. The key risk to developing economies is that excessive increases in short-term interest rates in developing countries may curtail their GDP growth in late 2011 and into 2012.

Inflation in the United States and the Eurozone is expected to be lower in 2012 compared with 2011, since unemployment rates and factory utilization reflect a large amount of economic slack. Recent debt related turmoil in world financial markets, as well as weaker than expected "real" factors, such as employment and GDP growth, have boosted the chances of a U.S. and/or European downturn. As a result, most private sector economists have lowered growth forecasts for developed economies for 2011 and 2012.

Despite slow growth, the outlook for agricultural trade is promising. The relatively stable Middle East and expectations of slower world growth have brought sharp reductions in energy prices. A weak dollar and low interest rates provide plentiful credit for U.S. exports in 2011 and 2012.


[^1]Grain and feed exports are forecast at a record $\$ 39$ billion in fiscal 2012, up $\$ 600$ million from the 2011 estimate. Coarse grain exports are forecast at $\$ 15.7$ billion, up $\$ 1.3$ billion, mostly on higher unit values of corn, but are largely offset by a cut in wheat exports.. Corn volume is forecast down 1 million tons to 45 million tons due to high prices (tight U.S. supplies) and ample foreign supplies of feed-quality wheat and coarse grains. Feed and fodders, which includes distiller's dried grains, are up $\$ 700$ million on tight supplies and higher prices of feed grains.

Wheat exports in fiscal 2012, are forecast at $\$ 10.4$ billion, a decrease of $\$ 1.3$ billion due to lower volume. Large exportable supplies in Russia and Ukraine limit U.S. competitiveness, particularly in North Africa and the Middle East. Rice exports, at $\$ 2.1$ billion are down only slightly as higher long grain prices help offset the loss in quantity. The volume is forecast to drop 500,000 tons to 3.5 million on the smaller domestic long grain crop and competition from medium grain exporters Australia and Egypt.

The fiscal 2011 estimate for grain and feed exports is down $\$ 400$ million to $\$ 38.4$ billion. Corn exports are cut due to lower volume reflecting weaker-than-expected demand for feed grains in recent months, although unit values are higher, reflecting tight old-crop supplies and an uncertain outlook for the new crop. Wheat exports are nearly unchanged. Rice exports are down to $\$ 2.2$ billion, in part due to quality issues impacting rough rice demand.

Fiscal 2012 oilseed and product exports are forecast at $\$ 28.3$ billion, down $\$ 1$ billion from the 2011 estimate, driven primarily by smaller export volumes of soybeans, meal, and oil. Soybean export value is expected down $\$ 400$ million to $\$ 20.2$ billion as volume is reduced based on the smaller crop and greater competition from South American exports. Exports of soybean meal and oil plunge due to reduced crush in the United States and ample supplies in South America from a projected record crush. An expected surge in domestic use of soybean oil for biodiesel will also restrict exports. With tight supplies of feed grains, unit values of oilseeds and products are expected to be higher partially offsetting the loss in export volume. Fiscal 2011 oilseed exports are forecast down at $\$ 29.3$ billion due to weakening late season sales to China.

Fiscal 2012 cotton exports are forecast at $\$ 6.6$ billion, down $\$ 2.4$ billion from the 2011 estimate. Export volume is forecast to drop to 2.7 million tons due to a much smaller domestic crop and larger supplies among foreign competitors. The U.S. share of world trade is also expected to fall. Unit values are expected to fall from last year's record, but remain above historical levels. The fiscal 2011 estimate for cotton is unchanged at $\$ 9$ billion as rising export unit values offset lower volume.

Fiscal 2012 livestock, poultry, and dairy exports are forecast to rise $\$ 200$ million to $\$ 27.1$ billion with expected growth in pork, poultry, and animal by-products outweighing modest reductions in dairy and beef. Pork exports are forecast to reach $\$ 5.2$ billion with higher unit values and greater volumes expected, as demand remains robust, particularly from Asian markets, such as Japan, South Korea, and China. Beef exports are forecast lower at $\$ 4.3$ billion as shipments are constrained by tight supplies despite strong global demand and higher prices. Slight gains are expected for by-products (hides and skins and animal fats) on robust demand.

Broiler meat is virtually unchanged at $\$ 3.3$ billion as higher prices offset lower volumes. Dairy exports are forecast to decline to $\$ 4$ billion as global dairy prices are expected to fall, and production is expected to increase for competing exporters.

The fiscal 2011 export value for livestock, poultry, and dairy products is raised $\$ 400$ million from May to $\$ 26.9$ billion, with significant gains across most of the sector in both volumes and values.

The fiscal 2012 export forecast for horticultural products is a record $\$ 28$ billion, $\$ 2.5$ billion higher than the revised 2011 estimate. Fresh fruit and vegetable exports are forecast at a record $\$ 6.9$ billion, up $\$ 400$ million. Exports to Canada, Europe and Japan are expected to continue expanding. Processed fruit and vegetable exports are forecast at $\$ 6.7$ billion, up $\$ 400$ million. Unit values for several processed products are expected to continue rising with demand from major markets. Whole and processed tree nuts are forecast at $\$ 5.7$ billion, up $\$ 800$ million primarily due to China's growing demand for almonds, pistachios, and walnuts. The 2011 export estimate for horticultural products is revised up $\$ 500$ million to $\$ 25.5$ billion due to stronger than anticipated demand from China and Europe.

Table 3--U.S. agricultural exports: Value and volume by commodity, 2010-12

| Commodity | October - June |  | $\begin{gathered} \text { Fiscal year } \\ 2010 \\ \hline \end{gathered}$ | Forecast fiscal year |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2011 | 2012 |
|  | 2010 | 2011 |  | May | Aug. | Aug. |
| VALUE | -- Billion dollars -- |  |  |  |  |  |
| Grains and feeds 1/ | 19.532 | 28.372 |  | 27.233 | 38.8 | 38.4 | 39.0 |
| Wheat $2 /$ | 3.821 | 8.853 | 5.855 | 11.7 | 11.7 | 10.4 |
| Rice | 1.823 | 1.671 | 2.305 | 2.3 | 2.2 | 2.1 |
| Coarse grains 3/ | 7.079 | 10.236 | 9.818 | 14.7 | 14.4 | 15.7 |
| Corn | 6.495 | 9.439 | 9.070 | 13.7 | 13.3 | 14.6 |
| Feeds and fodders | 4.086 | 4.711 | 5.589 | 6.4 | 6.3 | 7.0 |
| Oilseeds and products 4/ | 21.837 | 25.603 | 25.310 | 30.2 | 29.3 | 28.3 |
| Soybeans | 15.025 | 18.604 | 16.889 | 21.3 | 20.6 | 20.2 |
| Soybean meal 5/ | 3.268 | 2.745 | 3.788 | 3.4 | 3.3 | 3.3 |
| Soybean oil | 1.060 | 1.463 | 1.348 | 1.8 | 1.7 | 0.9 |
| Livestock, poultry, and dairy | 15.796 | 19.892 | 21.532 | 26.5 | 26.9 | 27.1 |
| Livestock products | 9.968 | 12.693 | 13.549 | 17.6 | 17.5 | 17.8 |
| Beef and veal 6/ | 2.276 | 3.249 | 3.220 | 4.2 | 4.4 | 4.3 |
| Pork 6/ | 2.960 | 3.560 | 3.927 | 4.9 | 5.0 | 5.2 |
| Beef and pork variety meats 6/ | 0.737 | 0.888 | 1.000 | 1.2 | 1.3 | 1.3 |
| Hides, skins, and furs | 1.549 | 1.984 | 2.116 | 2.9 | 2.8 | 2.8 |
| Poultry and products | 3.456 | 3.926 | 4.614 | 4.9 | 5.2 | 5.3 |
| Broiler meat 6/ 71 | 2.260 | 2.500 | 3.007 | 3.2 | 3.3 | 3.3 |
| Dairy products | 2.373 | 3.274 | 3.369 | 4.0 | 4.2 | 4.0 |
| Tobacco, unmanufactured | 1.139 | 0.974 | 1.223 | 1.2 | 1.2 | 1.2 |
| Cotton | 3.559 | 8.057 | 4.752 | 9.0 | 9.0 | 6.6 |
| Seeds | 1.011 | 1.119 | 1.230 | 1.3 | 1.3 | 1.3 |
| Horticultural products 8/ | 17.169 | 19.633 | 22.625 | 25.0 | 25.5 | 28.0 |
| Fruits and vegetables, fresh | 4.401 | 4.950 | 5.869 | 6.3 | 6.5 | 6.9 |
| Fruits and vegetables, processed 8/ | 4.189 | 4.735 | 5.608 | 6.0 | 6.3 | 6.7 |
| Tree nuts, whole and processed | 3.282 | 4.119 | 4.061 | 4.7 | 4.9 | 5.7 |
| Sugar and tropical products 9/ | 3.341 | 3.973 | 4.573 | 5.2 | 5.3 | 5.7 |
| Major bulk products 10/ | 32.445 | 48.395 | 40.843 | 60.1 | 59.0 | 55.7 |
| Total | 83.452 | 107.778 | 108.561 | 137.0 | 137.0 | 137.0 |
| VOLUME |  |  | n metric tons |  |  |  |
| Wheat $2 /$ | 17.191 | 26.789 | 25.762 | 34.8 | 35.2 | 30.0 |
| Rice | 3.306 | 3.086 | 4.272 | 4.3 | 4.0 | 3.5 |
| Coarse grains 3/ | 39.160 | 37.052 | 53.917 | 52.3 | 50.0 | 48.2 |
| Corn | 35.832 | 34.064 | 49.668 | 48.5 | 46.0 | 45.0 |
| Feeds and fodders | 13.374 | 14.324 | 18.849 | 18.9 | 19.1 | 19.7 |
| Soybeans | 37.185 | 36.980 | 41.588 | 42.2 | 40.7 | 38.1 |
| Soybean meal 5/ | 8.730 | 6.749 | 10.124 | 8.3 | 8.2 | 7.8 |
| Soybean oil | 1.197 | 1.259 | 1.523 | 1.5 | 1.5 | 0.7 |
| Beef and veal 6/ | 0.520 | 0.656 | 0.714 | 0.9 | 0.9 | 0.9 |
| Pork 6/ | 1.105 | 1.219 | 1.428 | 1.6 | 1.6 | 1.7 |
| Beef and pork variety meats 6/ | 0.528 | 0.627 | 0.712 | 0.9 | 0.9 | 0.9 |
| Broiler meat 6/ 71 | 2.212 | 2.299 | 2.957 | 3.0 | 3.0 | 3.0 |
| Tobacco, unmanufactured | 0.171 | 0.149 | 0.185 | 0.2 | 0.2 | 0.2 |
| Cotton | 2.057 | 2.777 | 2.680 | 3.4 | 3.1 | 2.7 |
| Major bulk products 10/ | 99.069 | 106.834 | 128.403 | 137.0 | 133.4 | 122.7 |

Total may not add due to rounding.
1/ Includes corn gluten feed and meal and processed grain products. 2/ Excludes wheat flour. 3/ Includes corn, barley, sorghum, oats, and rye. 4/ Excludes corn gluten feed and meal. 5/ Includes soy flours made from protein meals. 6/ Includes chilled, frozen, and processed meats. 7/ Includes only federally inspected product. 8/ Includes juices. 9/ Includes coffee and cocoa products, tea, and spices. 10 / Includes wheat, rice, coarse grains, soybeans, cotton, and unmanufactured tobacco.

Source: Compiled by USDA using data from Census Bureau, U.S. Department of Commerce.

## Outlook for 2012

Agricultural exports in 2012 are forecast to match 2011 at $\$ 137$ billion. Asia is forecast the same, at $\$ 46.8$ billion, as an increase in Japan offsets a decrease in China. The Western Hemisphere is forecast up as greater exports to Canada outweigh fewer to Brazil. The Middle East and North Africa are forecast down while more exports are expected to the EU.

Exports to China are forecast at $\$ 19$ billion in 2012, which is $\$ 500$ million lower than the revised record forecast for 2011 and would place China even with Canada as the top U.S. market in 2012. Soybeans and cotton account for a large majority of U.S. exports to China and both are forecast down this year on tighter supplies and greater export competition. However, demand for soybeans is expected to remain healthy and Chinese imports of tree nuts are expected to be up. Exports to Japan are forecast to be $\$ 500$ million above the revised 2011 forecast due to greater pork, corn, and horticultural exports.

The Western Hemisphere is forecast up $\$ 200$ million in 2012. Canada is forecast up $\$ 500$ million from the current year due in part to greater horticultural exports. Mexico is unchanged from 2011 as the country is expected to import less U.S. cotton but more pork and corn, in part due to higher unit values for these products. The forecast for Brazil is down $\$ 300$ million from the record 2011 forecast. The surge in exports to Brazil seen over the past 8 months is almost entirely due to greater cotton exports. However, shipments of U.S. cotton are expected to be down in 2012 due to a larger Brazilian crop.

Exports to the EU are forecast at $\$ 11$ billion in 2012 with expected strong shipments of horticultural products. After many years of stagnant exports, the EU market is up in 2011 and is expected strong in 2012, due in part to higher prices for high-value product shipments. The forecast for exports to Egypt in 2012 is lowered $\$ 300$ million from 2011 as Russia is expected to gain market share following the lifting of their wheat export ban. Greater wheat export competition is also expected to lower U.S. shipments to other North African countries with the region as a whole forecast down $\$ 500$ million. Agricultural exports to the Middle East surged in 2011 as a result of greater wheat exports, which are up more than 700 percent over 2010. Reduced wheat shipments in 2012 are responsible for a lower overall forecast of $\$ 200$ million each for Turkey and Saudi Arabia and $\$ 500$ million for the region.

## Revised Outlook for 2011

The forecast for agricultural exports is unchanged from the May forecast at \$137 billion. Exports to Asia are forecast down $\$ 500$ million, due mostly to reduced expectations for China, but improved export prospects to the EU offset the reduction to Asia.

## Asia

The forecast for exports to China for fiscal 2011 is lowered $\$ 1.5$ billion to $\$ 19.5$ billion. The forecast is still a record and China is expected to finish the year as the largest U.S. market, though Canada should be close behind. A seasonal drop in exports to China was expected given the large shipments early in the year of
soybean and cotton, but the magnitude of the fall has been even greater than anticipated. For the first 6 months of the year, China imported $\$ 15.2$ billion of agricultural products, but has only imported $\$ 2.4$ billion in the last 3 months. Somewhat offsetting this change in East Asia is an increase in the forecast for Japan, which is raised $\$ 1$ billion. Exports of wheat, corn, beef, and pork are all up this year primarily due to higher prices for these products. The forecast of $\$ 14$ billion for Japan is a record and exceeds the previous high in 2008 by nearly $\$ 1$ billion. Meanwhile, the forecast for exports to Southeast Asia is unchanged as an increase in Indonesia is offset by decreases in Vietnam, Thailand, and Malaysia.

## Europe, Africa, and the Middle East

The fiscal 2011 forecast for the EU is raised $\$ 500$ million on greater grain and, to a lesser extent, oilseed and meat shipments. The $\$ 10.5$ billion forecast for the EU would be the second largest in 28 years and nearly $\$ 2$ billion more than last year. Over the past several years, the EU has been one of the slowest growing markets for U.S. agricultural products, with South American suppliers increasing market share at the expense of U.S. suppliers. Meanwhile, Egypt is raised $\$ 300$ million to $\$ 2.8$ billion, which is a record and nearly double the total of 2010. The increase is largely due to greater wheat exports as a result of less competition from Russia due to an export ban earlier in the year.

## Western Hemisphere

The only change to the Western Hemisphere is a $\$ 300$ million decrease in the forecast for the Caribbean due to lower demand from Cuba as competing exporters have increased market share, particularly the EU and Brazil. Exports to Canada and Mexico are on track to meet the record forecasts.

Table 4--U.S. agricultural exports: Value by region, 2010-12

| Country and region 1/ | October - June |  | $\begin{gathered} \text { Fiscal year } \\ 2010 \\ \hline \end{gathered}$ | Share of 2010 total | Forecast fiscal year |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2011 |  |  |
|  | 2010 | 2011 |  |  | May | Aug. | Aug. |
|  |  | -- \$ Billion -- |  |  | Percent | -- \$ Billion -- |  |  |
| Asia | 36.293 | 47.960 | 45.660 | 42.1 | 59.5 | 59.0 | 59.0 |
| East Asia | 29.377 | 38.988 | 36.852 | 33.9 | 47.3 | 46.8 | 46.8 |
| Japan | 8.697 | 10.777 | 11.206 | 10.3 | 13.0 | 14.0 | 14.5 |
| China | 12.460 | 17.586 | 15.002 | 13.8 | 21.0 | 19.5 | 19.0 |
| Hong Kong | 1.904 | 2.458 | 2.460 | 2.3 | 3.3 | 3.3 | 3.3 |
| Taiwan | 2.485 | 2.947 | 3.175 | 2.9 | 3.5 | 3.5 | 3.5 |
| South Korea | 3.820 | 5.197 | 4.992 | 4.6 | 6.5 | 6.5 | 6.5 |
| Southeast Asia | 5.802 | 7.449 | 7.329 | 6.8 | 10.0 | 10.0 | 10.0 |
| Indonesia | 1.662 | 2.342 | 2.130 | 2.0 | 2.7 | 3.0 | 3.0 |
| Philippines | 1.249 | 1.499 | 1.606 | 1.5 | 2.0 | 2.0 | 2.0 |
| Malaysia | 0.659 | 0.715 | 0.788 | 0.7 | 0.9 | 0.8 | 0.8 |
| Thailand | 0.888 | 1.236 | 1.083 | 1.0 | 1.6 | 1.5 | 1.5 |
| Vietnam | 0.971 | 1.215 | 1.225 | 1.1 | 1.6 | 1.5 | 1.5 |
| South Asia | 1.114 | 1.523 | 1.479 | 1.4 | 2.2 | 2.2 | 2.2 |
| India | 0.607 | 0.509 | 0.797 | 0.7 | 0.8 | 0.8 | 0.8 |
| Western Hemisphere | 30.177 | 35.994 | 40.423 | 37.2 | 48.4 | 48.1 | 48.3 |
| North America | 22.762 | 26.569 | 30.531 | 28.1 | 35.5 | 35.5 | 36.0 |
| Canada | 12.296 | 13.582 | 16.595 | 15.3 | 18.5 | 18.5 | 19.0 |
| Mexico | 10.466 | 12.987 | 13.936 | 12.8 | 17.0 | 17.0 | 17.0 |
| Caribbean | 2.398 | 2.542 | 3.109 | 2.9 | 3.7 | 3.4 | 3.4 |
| Dominican Republic | 0.735 | 0.912 | 0.957 | 0.9 | 1.2 | 1.2 | 1.2 |
| Central America | 2.030 | 2.765 | 2.714 | 2.5 | 3.5 | 3.5 | 3.5 |
| South America | 2.987 | 4.118 | 4.069 | 3.7 | 5.7 | 5.7 | 5.4 |
| Brazil | 0.345 | 0.701 | 0.531 | 0.5 | 1.0 | 1.0 | 0.7 |
| Colombia | 0.625 | 0.951 | 0.830 | 0.8 | 1.2 | 1.2 | 1.2 |
| Peru | 0.571 | 0.687 | 0.735 | 0.7 | 0.9 | 0.9 | 0.9 |
| Venezuela | 0.786 | 0.884 | 1.073 | 1.0 | 1.2 | 1.2 | 1.2 |
| Europe/Eurasia | 8.209 | 9.850 | 10.264 | 9.5 | 12.1 | 12.6 | 13.1 |
| European Union-27 2/ | 6.856 | 8.305 | 8.512 | 7.8 | 10.0 | 10.5 | 11.0 |
| Other Europe 3/ | 0.312 | 0.347 | 0.375 | 0.3 | 0.4 | 0.4 | 0.4 |
| FSU-12 4/ | 1.040 | 1.199 | 1.377 | 1.3 | 1.7 | 1.7 | 1.7 |
| Russia | 0.786 | 1.003 | 1.035 | 1.0 | 1.4 | 1.4 | 1.4 |
| Middle East | 4.163 | 6.479 | 5.569 | 5.1 | 7.7 | 7.7 | 7.2 |
| Turkey | 1.551 | 2.306 | 1.997 | 1.8 | 2.9 | 2.9 | 2.7 |
| Saudi Arabia | 0.612 | 0.916 | 0.836 | 0.8 | 1.2 | 1.2 | 1.0 |
| Africa | 3.409 | 6.055 | 4.950 | 4.6 | 7.7 | 8.0 | 7.5 |
| North Africa | 1.882 | 3.950 | 2.772 | 2.6 | 5.0 | 5.3 | 4.8 |
| Egypt | 0.958 | 2.469 | 1.569 | 1.4 | 2.5 | 2.8 | 2.5 |
| Sub-Saharan Africa | 1.527 | 2.105 | 2.178 | 2.0 | 2.7 | 2.7 | 2.7 |
| Nigeria | 0.617 | 0.985 | 0.876 | 0.8 | 1.3 | 1.3 | 1.3 |
| Oceania | 1.010 | 1.103 | 1.380 | 1.3 | 1.5 | 1.5 | 1.5 |
| Trans-shipments via Canada 5/ | 0.192 | 0.336 | 0.315 | 0.3 | 0.2 | 0.2 | 0.2 |
| Total | 83.452 | 107.778 | 108.561 | 100.0 | 137.0 | 137.0 | 137.0 |

Total may not add due to rounding.
1/ Projections are based primarily on trend or recent average growth analysis
2/ The former EU-25 plus Romania and Bulgaria, which acceded in January 2007.
3/ Major countries include Switzerland, Norway, Iceland, and former Yugoslav States.
4/ The former 15 Republics of the Soviet Union minus the three Baltic Republics.
5/ Trans-shipments through Canada have not been allocated to final destination, but are included in the total.
New countries added this quarter include Vietnam, India, Domican Republic, Peru, and Nigeria
Source: Compiled by USDA using data from Census Bureau, U.S. Department of Commerce.

The U.S. import bill for agricultural products in fiscal year 2011 is projected at $\$ 94.5$ billion, a 20-percent jump from 2010. The forecast for fiscal 2012 is $\$ 105$ billion, which is 11 percent higher than in 2011. A slowing of U.S. economic growth in 2011 is anticipated to soften import demand for food. U.S. personal consumption expenditures for food slowed significantly starting in April 2011 after a brisk first quarter. Although prices of some key imported commodities, such as tropical oils, sugar, rubber, coffee, bananas, and beef, have declined or flattened in recent months, they have been generally rising since 2009. Since the estimated climb in import volume in 2011 is 6 percent, price inflation is responsible for the 14 percent balance in growth.

The $\$ 94.5$ billion import projection for 2011 is $\$ 1.5$ billion more than the preceding projection due to stronger than expected demand in the spring. Products that were adjusted upward include sugar, vegetable oils, coffee beans, cocoa, and processed fruits. Among these commodities, the import volumes of sugar, cocoa, and fruit juices increased. The import values of the other products were raised by higher prices. Compared with 2011's 20-percent rise, the 11 percent forecast import growth in 2012 is based on smaller gains in personal disposable income starting in May 2011. The dollar's lower exchange rate is contributing to the higher prices charged by foreign suppliers.

The large increase in sugar imports in 2011 stems from the tripled volume of shipments by Mexico compared with 2010. More than 40 percent of imported sugar comes from Mexico. Average import unit values for sugar and related products in aggregate, however, have risen 11 percent thus far this fiscal year. The other tropical imports whose unit values are up include the tropical oils (coconut, palm, and palm kernel), cocoa paste and powder, coffee beans, rubber, gums, and spices. Import volumes of many of these commodities are down due to their inflated prices. Sugar and other tropical products now account for more than a quarter of the U.S. import bill- $\$ 25.6$ billion of the projected $\$ 94.5$ billion total.

The 2011 import projection for livestock and dairy products is unchanged at $\$ 11.7$ billion, which is forecast to increase by $\$ 1$ billion next year. For 2012, the 17percent larger import volume for beef and veal reflects strong demand, in part due to lower domestic cow slaughter which will reduce domestic beef supply. Nevertheless, imported cattle are projected lower due to a smaller Canadian herd available for export. A stronger economy in 2012 is expected to support modestly higher pork imports. The $\$ 11.7$-billion import bill for livestock products in 2011 is 8 percent more than in 2010 , and the $\$ 12.7$ billion forecast for 2012 is up 9 percent.

Strong demand for processed grain products such as flour, breads, cereals, and pasta pushed their imports to $\$ 5.4$ billion in 2011, up 11 percent from 2010. About the same increase is forecast for 2012, in part due to larger imports of feeds and fodder. The demand for imported vegetable oils other than olive and tropical oils, such as canola oil, remains strong even as their unit values are up 28 percent thus far. Total vegetable oil imports amount to an estimated $\$ 5.6$ billion in 2011, up by 48 percent from 2010. The growth forecast for 2012 is 11 percent, as prices subside from recent peak levels. Grain and oilseed products together account for 17 percent of U.S. agricultural imports. In 1990, their share was only 9 percent of imports, and 12 percent in 2000.

The 11-percent gain in horticulture imports in 2011 is led by processed fruits, 40 percent of which are fruit juices, as well as tree nuts. Wine imports are also up significantly. Larger shipments of apple juice, particularly from China, and also from Argentina, Chile, and Brazil are driving juice imports. Strong demand for cashews and pecans is driving shipments of tree nuts, largely from Vietnam, India, and Brazil (cashews), and from Mexico (pecans). Imported wine's appeal to consumers is boosting shipments largely from Italy, France, Australia, Chile, Argentina, and Spain. These six exporters supply 86 percent of U.S. wine imports, which are forecast to reach $\$ 5.3$ billion in 2012.

Table 5--U.S. agricultural imports: Value and volume by commodity, fiscal years 2010-12

| Commodity | October - June |  | $\begin{gathered} \text { Fiscal year } \\ 2010 \end{gathered}$ | Forecast fiscal year |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2011 | 2012 |
|  | 2010 | 2011 |  | May | Aug. | Aug. |
| VALUE | --- Billion dollars --- |  |  |  |  |  |
| Livestock and dairy products | 8.103 | 8.884 |  | 10.843 | 11.7 | 11.7 | 12.7 |
| Livestock and meats | 5.962 | 6.465 | 7.947 | 8.6 | 8.5 | 9.3 |
| Cattle and calves | 1.222 | 1.196 | 1.546 | 1.5 | 1.4 | 1.4 |
| Swine | 0.250 | 0.272 | 0.344 | 0.4 | 0.4 | 0.4 |
| Beef and veal | 2.100 | 2.169 | 2.851 | 3.0 | 2.9 | 3.5 |
| Pork | 0.821 | 0.959 | 1.162 | 1.3 | 1.3 | 1.3 |
| Dairy products | 1.804 | 2.027 | 2.417 | 2.7 | 2.7 | 2.8 |
| Cheese | 0.719 | 0.810 | 0.963 | 1.0 | 1.1 | 1.0 |
| Grains and feed | 5.508 | 6.158 | 7.484 | 8.2 | 8.4 | 9.4 |
| Grain products | 3.583 | 3.948 | 4.886 | 5.3 | 5.4 | 6.0 |
| Oilseeds and products | 3.851 | 5.534 | 5.269 | 7.3 | 7.6 | 8.7 |
| Vegetable oils | 2.723 | 4.045 | 3.784 | 5.4 | 5.6 | 6.2 |
| Horticulture products | 27.394 | 30.415 | 35.549 | 39.4 | 39.5 | 44.0 |
| Fruits, fresh | 5.633 | 5.844 | 6.803 | 7.4 | 7.1 | 7.5 |
| Fruits, processed | 2.372 | 3.188 | 3.276 | 4.2 | 4.4 | 5.4 |
| Fruit juices | 0.933 | 1.366 | 1.279 | 1.7 | 1.9 | 2.5 |
| Nuts, whole and processed | 0.945 | 1.213 | 1.332 | 1.7 | 1.7 | 2.2 |
| Vegetables, fresh | 4.255 | 4.636 | 5.180 | 5.6 | 5.6 | 6.1 |
| Vegetables, processed | 2.683 | 2.960 | 3.574 | 3.9 | 3.9 | 4.3 |
| Wine | 3.215 | 3.533 | 4.258 | 4.6 | 4.7 | 5.3 |
| Malt beer | 2.468 | 2.641 | 3.452 | 3.7 | 3.7 | 4.0 |
| Essential oils | 1.867 | 2.016 | 2.414 | 2.6 | 2.6 | 2.8 |
| Cut flowers \& nursery stock | 1.139 | 1.218 | 1.441 | 1.5 | 1.5 | 1.6 |
| Sugar \& tropical products | 13.128 | 18.646 | 18.317 | 24.7 | 25.6 | 28.3 |
| Sweeteners \& products | 2.684 | 3.696 | 4.112 | 5.3 | 5.6 | 6.4 |
| Confections | 0.910 | 1.010 | 1.279 | 1.4 | 1.4 | 1.6 |
| Cocoa and chocolate | 3.300 | 3.394 | 4.239 | 4.0 | 4.3 | 4.5 |
| Coffee beans \& products | 3.145 | 5.463 | 4.393 | 7.4 | 7.6 | 8.6 |
| Rubber, natural | 1.690 | 3.199 | 2.433 | 4.5 | 4.6 | 4.8 |
| Other imports 1/ | 1.135 | 1.265 | 1.492 | 1.7 | 1.7 | 1.9 |
| Total agricultural imports | 59.118 | 70.901 | 78.953 | 93.0 | 94.5 | 105.0 |
| VOLUME |  |  | lion metric ton |  |  |  |
| Wine 21 | 0.733 | 0.749 | 0.972 | 1.0 | 1.0 | 1.1 |
| Malt beer 21 | 2.217 | 2.378 | 3.112 | 3.4 | 3.3 | 3.5 |
| Fruit juices 21 | 3.073 | 3.370 | 4.162 | 4.4 | 4.5 | 4.7 |
| Cattle and calves 3/ | 1.840 | 1.767 | 2.251 | 2.3 | 2.1 | 2.1 |
| Swine 3/ | 4.326 | 4.296 | 5.805 | 5.8 | 5.8 | 5.9 |
| Beef and veal | 0.602 | 0.500 | 0.804 | 0.7 | 0.7 | 0.8 |
| Pork | 0.272 | 0.267 | 0.374 | 0.4 | 0.4 | 0.4 |
| Fruits, fresh | 7.269 | 7.388 | 9.128 | 9.3 | 9.3 | 9.6 |
| Fruits, processed | 1.022 | 1.130 | 1.408 | 1.6 | 1.6 | 1.8 |
| Vegetables, fresh | 4.473 | 4.497 | 5.375 | 5.4 | 5.4 | 5.6 |
| Vegetables, processed | 2.207 | 2.316 | 2.927 | 3.1 | 3.1 | 3.3 |
| Vegetable oils | 2.507 | 2.742 | 3.456 | 3.8 | 3.8 | 4.1 |
| Cocoa and chocolate | 0.968 | 0.988 | 1.242 | 1.2 | 1.3 | 1.4 |
| Coffee beans | 0.938 | 1.087 | 1.276 | 1.6 | 1.5 | 1.7 |
| Sugar, cane and beet | 1.763 | 2.354 | 3.010 | 3.6 | 4.0 | 3.1 |

Totals may not add due to rounding.
1/ Largely tobacco and planting seeds. 2/ Liquid volume is in billion liters. 3/ Million head.
Source: Compiled by USDA using data from Census Bureau, U.S. Department of Commerce.

## Regional Imports

Shipments from Asia are anticipated to exceed 20 percent of total U.S. agricultural imports in 2011. This share will be larger than the shares from the European Union and Canada. The 12.3 percent import share from Southeast Asia almost equals the 12.7 percent share from South America. Mexico's 16.7 percent share would top the EU's 16.6 percent share this year, and is fast approaching Canada's 18.8 percent share. On average, based on value, the growth in imports from developing countries in 2011 is twice as much as from the developed countries. This trend is expected to continue in 2012 as high commodity prices inflate import values, particularly as the dollar weakens further, which partly offsets recent price declines of key commodities.

Only Southeast Asia, China, India, Brazil, Colombia, Guatemala, and Mexico have gained market share among major suppliers to the United States in 2011. Although the values of U.S. imports of highly processed products such as wine, grain products, meat and dairy products from the developed countries grew in 2011, import values of farm commodities such as sugar, coffee beans, cocoa, rubber, processed fruit, vegetable oils, and tree nuts from developing countries have grown even more. Developing countries that peg their currencies to the dollar or manage their exchange rates benefit more than most developed countries in exporting to the United States as the dollar has depreciated.

Table 6--U.S. agricultural imports: Value by region, fiscal years 2010-12

| Region and country | October - June |  | $\begin{gathered} \text { Fiscal year } \\ 2010 \end{gathered}$ | Share of 2010 total | Forecast fiscal year |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2011 |  | 2012 |
|  | 2010 | 2011 |  |  | May | Aug. | Aug. |
| VALUE |  | --- Billion dollars --- |  |  | Percent | --- Bill | S --- |  |
| Western Hemisphere | 32.532 | 38.800 | 42.883 | 54.3 | 50.8 | 51.0 | 56.7 |
| Canada | 11.549 | 13.120 | 15.682 | 19.9 | 17.8 | 17.8 | 19.8 |
| Mexico | 10.194 | 12.421 | 12.972 | 16.4 | 15.9 | 15.8 | 17.6 |
| Central America | 2.808 | 3.643 | 3.763 | 4.8 | 4.5 | 4.9 | 5.4 |
| Costa Rica | 0.930 | 1.113 | 1.248 | 1.6 | 1.4 | 1.5 | 1.7 |
| Guatemala | 1.038 | 1.319 | 1.381 | 1.7 | 1.7 | 1.8 | 2.0 |
| Other Central America | 0.840 | 1.211 | 1.134 | 1.4 | 1.4 | 1.6 | 1.8 |
| Caribbean | 0.457 | 0.486 | 0.577 | 0.7 | 0.6 | 0.6 | 0.7 |
| South America | 7.524 | 9.130 | 9.889 | 12.5 | 12.0 | 12.0 | 13.3 |
| Argentina | 0.793 | 1.070 | 1.088 | 1.4 | 1.4 | 1.5 | 1.7 |
| Brazil | 1.891 | 2.440 | 2.644 | 3.3 | 3.4 | 3.4 | 3.8 |
| Chile | 1.959 | 1.949 | 2.274 | 2.9 | 2.3 | 2.3 | 2.6 |
| Colombia | 1.393 | 1.882 | 1.854 | 2.3 | 2.6 | 2.5 | 2.8 |
| Other South America | 1.488 | 1.789 | 2.029 | 2.6 | 2.3 | 2.4 | 2.7 |
| Europe and Eurasia | 11.272 | 12.470 | 14.989 | 19.0 | 16.4 | 16.6 | 18.4 |
| European Union-27 1/ | 10.631 | 11.760 | 14.152 | 17.9 | 15.5 | 15.7 | 17.4 |
| Other Europe | 0.592 | 0.661 | 0.774 | 1.0 | 0.8 | 0.9 | 1.0 |
| Asia | 10.039 | 13.742 | 14.055 | 17.8 | 18.3 | 19.2 | 21.3 |
| East Asia | 3.198 | 3.919 | 4.363 | 5.5 | 5.2 | 5.4 | 6.0 |
| China | 2.329 | 2.960 | 3.210 | 4.1 | 4.0 | 4.1 | 4.6 |
| Other East Asia | 0.869 | 0.959 | 1.153 | 1.5 | 1.2 | 1.3 | 1.4 |
| Southeast Asia | 5.664 | 8.184 | 8.052 | 10.2 | 11.2 | 11.6 | 12.9 |
| Indonesia | 1.867 | 2.842 | 2.631 | 3.3 | 3.7 | 4.0 | 4.4 |
| Malaysia | 1.084 | 1.644 | 1.604 | 2.0 | 2.6 | 2.4 | 2.7 |
| Thailand | 1.397 | 1.871 | 1.917 | 2.4 | 2.4 | 2.6 | 2.9 |
| Other Southeast Asia | 1.316 | 1.826 | 1.900 | 2.4 | 2.5 | 2.6 | 2.9 |
| South Asia | 1.177 | 1.639 | 1.640 | 2.1 | 2.1 | 2.3 | 2.6 |
| India | 1.073 | 1.496 | 1.498 | 1.9 | 1.9 | 2.1 | 2.3 |
| Oceania | 2.982 | 3.185 | 4.052 | 5.1 | 4.2 | 4.3 | 4.8 |
| Australia | 1.667 | 1.662 | 2.319 | 2.9 | 2.2 | 2.3 | 2.6 |
| New Zealand | 1.234 | 1.456 | 1.624 | 2.1 | 1.9 | 1.9 | 2.1 |
| Africa | 1.708 | 2.021 | 2.222 | 2.8 | 2.3 | 2.6 | 2.9 |
| Sub-Sahara | 1.497 | 1.743 | 1.947 | 2.5 | 2.0 | 2.3 | 2.6 |
| Ivory Coast | 0.801 | 0.778 | 0.908 | 1.1 | 0.7 | 0.9 | 1.0 |
| Middle East | 0.585 | 0.683 | 0.753 | 1.0 | 0.9 | 0.9 | 1.0 |
| Turkey | 0.340 | 0.425 | 0.422 | 0.5 | 0.5 | 0.5 | 0.6 |
| World total | 59.118 | 70.901 | 78.953 | 100.0 | 93.0 | 94.5 | 105.0 |

Totals may not add due to rounding.
$1 /$ The former EU- 25 plus Romania and Bulgaria.
Source: Compiled by USDA using data from Census Bureau, U.S. Department of Commerce.

Table 7--Reliability of quarterly U.S. export projections, by commodity and quarter

| Commodity | Average forecast errors Fiscal 1999-2010 |  |  |  |  | Forecast accuracy <br> Fiscal 1999-2010 |  |  |  |  | Forecast accuracy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Aug ${ }^{1}$ | Nov | Feb | May | Aug ${ }^{2}$ | Aug ${ }^{1}$ | Nov | Feb | May | Aug ${ }^{2}$ |  |
| Export value | Percent |  |  |  |  | "X" if error < 5\% |  |  |  |  | Percent |
| Grains and feeds | 13 | 10 | 7 | 4 | 2 | - | - | - | X | $x$ | 40 |
| Wheat | 17 | 14 | 10 | 7 | 4 | - | - | - | - | $x$ | 20 |
| Rice | 9 | 10 | 11 | 7 | 3 | - | - | - | - | $x$ | 20 |
| Coarse grains | 23 | 16 | 10 | 3 | 2 | - | - | - | $X$ | $x$ | 40 |
| Corn | 23 | 17 | 10 | 3 | 2 | - | - | - | X | $x$ | 40 |
| Feeds and fodders | 13 | 10 | 8 | 6 | 3 | - | - | - | - | $x$ | 20 |
| Oilseeds and products | 11 | 11 | 6 | 4 | 2 | - | - | - | $x$ | $x$ | 40 |
| Soybeans | 13 | 13 | 9 | 5 | 3 | - | - | - | X | $x$ | 40 |
| Soybean meal | 21 | 18 | 13 | 9 | 2 | - | - | - | - | $x$ | 20 |
| Soybean oil | 34 | 28 | 17 | 7 | 11 | - | - | - | - | - | 0 |
| Livestock, poultry, and dairy | 13 | 10 | 6 | 4 | 2 | - | - | - | $x$ | $x$ | 40 |
| Livestock products | 12 | 8 | 5 | 4 | 2 | - | - | X | $X$ | $x$ | 60 |
| Beef and veal | 19 | 14 | 8 | 10 | 5 | - | - | - | - | $x$ | 20 |
| Pork | 17 | 9 | 8 | 6 | 4 | - | - | - | - | X | 20 |
| Beef and pork variety meats | 23 | 18 | 12 | 7 | 8 | - | - | - | - | - | 0 |
| Hides, skins, and furs | 19 | 18 | 14 | 6 | 3 | - | - | - | - | $x$ | 20 |
| Poultry and products | 14 | 12 | 11 | 5 | 4 | - | - | - | X | $x$ | 40 |
| Broiler meat | 20 | 17 | 16 | 7 | 3 | - | - | - | - | $x$ | 20 |
| Dairy products | 22 | 17 | 12 | 9 | 4 | - | - | - | - | $x$ | 20 |
| Tobacco, unmanufactured | 9 | 8 | 8 | 7 | 4 | - | - | - | - | $x$ | 20 |
| Cotton | 20 | 15 | 8 | 6 | 3 | - | - | - | - | $x$ | 20 |
| Planting seeds | 11 | 10 | 10 | 6 | 3 | - | - | - | - | $x$ | 20 |
| Horticultural products | 5 | 5 | 3 | 2 | 2 | $X$ | X | $x$ | $X$ | $x$ | 100 |
| Fruits and vegetables, fresh | 5 | 6 | 5 | 3 | 2 | X | - | $x$ | $X$ | $x$ | 80 |
| Fruits and veget., processed | 7 | 5 | 4 | 4 | 3 | - | X | X | $X$ | $x$ | 80 |
| Tree nuts and preparations | 14 | 11 | 6 | 4 | 5 | - | - | - | $x$ | $x$ | 40 |
| Sugar and tropical products | 9 | 8 | 7 | 4 | 2 | - | - | - | $x$ | $x$ | 40 |
| Major bulk products | 11 | 8 | 5 | 3 | 2 | - | - | $x$ | $X$ | $x$ | 60 |
| Total agricultural exports | 10 | 6 | 4 | 3 | 1 | - | - | X | X | $x$ | 60 |
| Average error \& accuracy | 15 | 12 | 9 | 5 | 3 | 7\% | 7\% | 21\% | 52\% | 93\% | 36 |
| Export volume |  |  |  |  |  |  |  |  |  |  |  |
| Wheat | 11 | 9 | 8 | 5 | 4 | - | - | - | X | $x$ | 40 |
| Rice | 12 | 12 | 10 | 6 | 4 | - | - | - | - | $x$ | 20 |
| Coarse grains | 13 | 11 | 7 | 4 | 3 | - | - | - | $X$ | $x$ | 40 |
| Corn | 13 | 12 | 8 | 4 | 3 | - | - | - | $X$ | $x$ | 40 |
| Feeds and fodders | 9 | 10 | 7 | 5 | 3 | - | - | - | $X$ | $x$ | 40 |
| Soybeans | 10 | 10 | 7 | 4 | 2 | - | - | - | X | $x$ | 40 |
| Soybean meal | 14 | 10 | 10 | 6 | 3 | - | - | - | - | $x$ | 20 |
| Soybean oil | 25 | 18 | 13 | 4 | 6 | - | - | - | $X$ | - | 20 |
| Beef and veal | 13 | 18 | 8 | 3 | 0 | - | - | - | $X$ | $x$ | 40 |
| Pork | 18 | 8 | 11 | 5 | 3 | - | - | - | X | $x$ | 40 |
| Beef and pork variety meats | 19 | 9 | 9 | 3 | 8 | - | - | - | X | - | 20 |
| Broiler meat | 12 | 11 | 9 | 5 | 2 | - | - | - | X | $x$ | 40 |
| Tobacco, unmanufactured | 0 | 0 | 0 | 0 | 0 | X | X | X | X | $x$ | 100 |
| Cotton | 13 | 9 | 6 | 4 | 3 | - | - | - | $X$ | $X$ | 40 |
| Major bulk products | 6 | 6 | 5 | 3 | 2 | - | - | X | X | $x$ | 60 |
| Average error \& accuracy | 13 | 10 | 8 | 4 | 3 | 7\% | 7\% | 13\% | 87\% | 87\% | 40 |

[^2]Table 8--Reliability of quarterly U.S. export projections, by country and quarter

| Country/region | Average forecast errors <br> Fiscal 1999-2010 |  |  |  |  | Forecast accuracy <br> Fiscal 1999-2010 |  |  |  |  | Forecast accuracy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Aug ${ }^{1}$ | Nov | Feb | May | Aug ${ }^{2}$ | Aug ${ }^{1}$ | Nov | Feb | May | Aug ${ }^{2}$ |  |
| Export value |  |  | cent |  |  |  | "X" | ror $\leq$ |  |  |  |
| Asia | 18 | 10 | 8 | 5 | 1 | - | - | - | X | x | 40 |
| East Asia | 17 | 10 | 11 | 5 | 2 | - | - | - | x | $\times$ | 40 |
| Japan | 14 | 7 | 6 | 4 | 3 | - | - | - | X | x | 40 |
| China | 17 | 23 | 21 | 8 | 6 | - | - | - | - | - | 0 |
| Hong Kong | 21 | 11 | 9 | 7 | 2 | - | - | - | - | x | 20 |
| Taiwan | 19 | 10 | 9 | 8 | 4 | - | - | - | - | $\times$ | 20 |
| South Korea | 30 | 17 | 11 | 8 | 4 | - | - | - | - | $\times$ | 20 |
| Southeast Asia | 22 | 16 | 11 | 10 | 4 | - | - | - | - | $x$ | 20 |
| Indonesia | 28 | 15 | 14 | 8 | 4 | - | - | - | - | $\times$ | 20 |
| Philippines | 28 | 18 | 12 | 7 | 5 | - | - | - | - | x | 20 |
| Malaysia | 14 | 4 | 9 | 9 | 4 | - | X | - | - | X | 40 |
| Thailand | 21 | 16 | 13 | 9 | 4 | - | - | - | - | $x$ | 20 |
| South Asia | 25 | 22 | 22 | 16 | 8 | - | - | - | - | - | 0 |
| Western Hemisphere | 12 | 5 | 3 | 2 | 1 | - | X | X | X | x | 80 |
| North America | 11 | 5 | 4 | 2 | 1 | - | X | X | X | X | 80 |
| Canada | 10 | 5 | 3 | 2 | 1 | - | X | X | X | x | 80 |
| Mexico | 14 | 7 | 7 | 3 | 2 | - | - | - | X | X | 40 |
| Caribbean | 12 | 10 | 9 | 4 | 3 | - | - | - | X | x | 40 |
| Central America | 12 | 7 | 7 | 7 | 3 | - | - | - | - | x | 20 |
| South America | 29 | 10 | 11 | 7 | 6 | - | - | - | - | - | 0 |
| Brazil | 38 | 19 | 26 | 10 | 7 | - | - | - | - | - | 0 |
| Colombia | 27 | 9 | 10 | 4 | 4 | - | - | - | X | $x$ | 40 |
| Venezuela | 28 | 19 | 13 | 5 | 8 | - | - | - | X | - | 20 |
| Europe and Eurasia | 20 | 10 | 7 | 5 | 3 | - | - | - | X | x | 40 |
| European Union-27 | 22 | 9 | 8 | 6 | 4 | - | - | - | - | $x$ | 20 |
| Other Europe | 36 | 27 | 25 | 21 | 16 | - | - | - | - | - | 0 |
| FSU-12 | 22 | 27 | 25 | 17 | 16 | - | - | - | - | - | 0 |
| Russia | 22 | 26 | 25 | 16 | 10 | - | - | - | - | - | 0 |
| Middle East | 23 | 12 | 9 | 8 | 5 | - | - | - | - | $x$ | 20 |
| Turkey | 29 | 24 | 19 | 14 | 10 | - | - | - | - | - | 0 |
| Saudi Arabia | 20 | 11 | 9 | 8 | 7 | - | - | - | - | - | 0 |
| Africa | 29 | 11 | 9 | 7 | 5 | - | - | - | - | x | 20 |
| North Africa | 50 | 17 | 11 | 8 | 8 | - | - | - | - | - | 0 |
| Egypt | 33 | 16 | 12 | 11 | 11 | - | - | - | - | - | 0 |
| Sub-Sahara | 14 | 11 | 10 | 8 | 6 | - | - | - | - | - | 0 |
| Oceania | 16 | 12 | 10 | 5 | 2 | - | - | - | x | $x$ | 40 |
| Transshipments | 46 | 30 | 25 | 33 | 19 | - | - | - | - | - | 0 |
| Average error \& accuracy | 23 | 14 | 12 | 9 | 6 | 0\% | 11\% | 8\% | 32\% | 62\% | 23 |

[^3]Table 9--Reliability of quarterly U.S. import projections, by commodity and quarter

| Commodity | Average forecast errors <br> Fiscal 1999-2010 |  |  |  |  | Forecast accuracy <br> Fiscal 1999-2010 |  |  |  |  | Forecast <br> accuracy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Aug ${ }^{1}$ | Nov | Feb | May | Aug ${ }^{2}$ | Aug ${ }^{1}$ | Nov | Feb | May | Aug ${ }^{2}$ |  |
| Import value | Percent |  |  |  |  | "X" if error $\leq 5 \%$ |  |  |  |  | Percent |
| Livestock, dairy, and poultry | 8 | 5 | 5 | 4 | 2 | - | X | X | X | X | 80 |
| Livestock and meats | 9 | 7 | 6 | 4 | 3 | - | - | - | X | X | 40 |
| Cattle and calves | 17 | 10 | 11 | 6 | 2 | - | - | - | - | x | 20 |
| Swine | 14 | 13 | 10 | 7 | 4 | - | - | - | - | X | 20 |
| Beef and veal | 12 | 7 | 5 | 5 | 2 | - | - | X | X | X | 60 |
| Pork | 9 | 10 | 8 | 8 | 2 | - | - | - | - | X | 20 |
| Dairy products | 10 | 7 | 6 | 6 | 3 | - | - | - | - | X | 20 |
| Cheese | 14 | 9 | 5 | 3 | 3 | - | - | X | X | X | 60 |
| Grains and feeds | 7 | 7 | 6 | 4 | 1 | - | - | - | X | X | 40 |
| Grain products | 5 | 5 | 5 | 2 | 1 | X | X | X | X | X | 100 |
| Oilseeds and products | 17 | 13 | 12 | 8 | 3 | - | - | - | - | X | 20 |
| Vegetable oils | 20 | 12 | 18 | 17 | 8 | - | - | - | - | - | 0 |
| Horticulture products | 4 | 5 | 4 | 3 | 2 | X | X | X | X | x | 100 |
| Fruits, fresh | 9 | 9 | 4 | 2 | 8 | - | - | X | X | - | 40 |
| Fruits, processed | 26 | 17 | 8 | 5 | 1 | - | - | - | X | x | 40 |
| Fruit juices | 23 | 21 | 15 | 8 | 3 | - | - | - | - | X | 20 |
| Nuts and preparations | 13 | 10 | 10 | 6 | 4 | - | - | - | - | X | 20 |
| Vegetables, fresh | 5 | 6 | 8 | 2 | 0 | X | - | - | X | X | 60 |
| Vegetables, processed | 4 | 3 | 2 | 3 | 10 | X | X | X | X |  | 80 |
| Wine | 6 | 5 | 2 | 2 | 1 | - | X | X | X | X | 80 |
| Malt beer | 6 | 4 | 4 | 3 | 2 | - | X | X | X | x | 80 |
| Essential oils | 12 | 8 | 7 | 3 | 1 | - | - | - | X | X | 40 |
| Cut flowers \& nursery stock | 7 | 5 | 4 | 3 | 2 | - | X | X | X | X | 80 |
| Sugar and tropical products | 7 | 10 | 10 | 7 | 4 | - | - | - | - | X | 20 |
| Sweeteners and products | 23 | 24 | 20 | 9 | 7 | - | - | - | - | - | 0 |
| Confections | 8 | 7 | 3 | 3 | 2 | - | - | X | $x$ | x | 60 |
| Cocoa and products | 13 | 12 | 10 | 4 | 4 | - | - | - | X | X | 40 |
| Coffee and products | 17 | 16 | 12 | 3 | 4 | - | - | - | X | x | 40 |
| Natural rubber | 29 | 29 | 29 | 19 | 11 | - | - | - | - |  | 0 |
| Other imports | 8 | 8 | 7 | 4 | 1 | - | - | - | X | X | 40 |
| Total agricultural imports | 5 | 4 | 3 | 2 | 1 | 100\% | 100\% | 100\% | 100\% | 100\% | 100 |
| Average error \& accuracy | 12 | 10 | 8 | 5 | 3 | 16\% | 26\% | 39\% | 65\% | 84\% | 46 |
| Import volume |  |  |  |  |  |  |  |  |  |  |  |
| Wine (HL) | 10 | 8 | 3 | 3 | 2 | - | - | X | X | X | 60 |
| Malt beer (HL) | 11 | 5 | 3 | 4 | 3 | - | X | X | X | X | 80 |
| Fruit juices (HL) | 7 | 11 | 7 | 9 | 4 | - | - | - | - | $\times$ | 20 |
| Cattle and calves | 12 | 5 | 15 | 7 | 5 | - | X | - | - | X | 40 |
| Swine | 8 | 5 | 5 | 4 | 1 | - | X | X | X | X | 80 |
| Beef and veal | 19 | 18 | 10 | 6 | 2 | - | - | - | - | X | 33 |
| Pork | 6 | 6 | 13 | 13 | 6 | - | - | - | - | - | 0 |
| Fruits--fresh | 5 | 4 | 4 | 5 | 1 | X | X | X | X | X | 100 |
| Fruits--processed | 10 | 4 | 5 | 3 | 3 | - | X | X | X | $x$ | 80 |
| Vegetables--fresh | 6 | 5 | 4 | 3 | 1 | - | X | X | X | X | 80 |
| Vegetables--processed | 9 | 7 | 3 | 3 | 0 | - | - | X | X | x | 60 |
| Vegetable oils | 9 | 8 | 10 | 7 | 3 | - | - | - | - | X | 20 |
| Cocoa and chocolate | 12 | 11 | 11 | 7 | 6 | - | - | - | - | - | 0 |
| Coffee beans | 9 | 7 | 5 | 2 | 3 | - | - | X | X | x | 60 |
| Rubber--natural | 15 | 12 | 10 | 13 | 8 | - | - | - | - | - | 0 |
| Average error and accuracy | 10 | 8 | 7 | 6 | 3 | 7\% | 40\% | 53\% | 53\% | 80\% | 48 |

[^4]Table 10--Reliability of quarterly U.S. import projections, by country and quarter

| Country/region | Average forecast errors Fiscal 1999-2010 |  |  |  |  | Forecast accuracy <br> Fiscal 1999-2010 |  |  |  |  | Forecast accuracy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Aug ${ }^{1}$ | Nov | Feb | May | Aug ${ }^{2}$ | Aug ${ }^{1}$ | Nov | Feb | May | Aug ${ }^{2}$ |  |
| Import value | Percent |  |  |  |  | "X" if error $\leq 5 \%$ |  |  |  |  | Percent |
| Western Hemisphere | 5 | 3 | 3 | 3 | 1 | X | X | X | X | x | 80 |
| Canada | 13 | 7 | 6 | 4 | 2 | - | - | - | x | $x$ | 40 |
| Mexico | 5 | 4 | 4 | 3 | 3 | X | X | X | X | $x$ | 80 |
| Central America | 3 | 6 | 9 | 5 | 2 | X | - | - | x | $x$ | 40 |
| Costa Rica | 13 | 8 | 7 | 5 | 2 | - | - | - | X | x | 40 |
| Guatemala | 6 | 5 | 8 | 9 | 3 | - | X | - | - | X | 40 |
| Other Central America | 18 | 10 | 10 | 11 | 5 | - | - | - | - | x | 20 |
| Caribbean | 27 | 10 | 14 | 11 | 4 | - | - | - | - | $x$ | 20 |
| South America | 4 | 4 | 3 | 3 | 2 | X | X | X | X | x | 80 |
| Argentina | -- | 9 | 17 | 13 | 13 | - - | - | - | - | - | 0 |
| Brazil | 4 | 11 | 9 | 6 | 4 | X | - | - | - | $x$ | 20 |
| Chile | 5 | 6 | 9 | 8 | 6 | X | - | - | - | - | 0 |
| Colombia | 2 | 8 | 6 | 2 | 3 | X | - | - | X | x | 40 |
| Other South America | 17 | 7 | 4 | 1 | 2 | - | - | X | X | X | 60 |
| Europe and Eurasia | 8 | 4 | 4 | 3 | 1 | - | X | X | X | x | 80 |
| European Union-27 | 8 | 5 | 3 | 2 | 1 | - | X | X | X | $\times$ | 80 |
| Other Europe | 21 | 25 | 23 | 12 | 4 | - | - | - | - | $\times$ | 20 |
| Asia | 11 | 9 | 8 | 5 | 3 | - | - | - | X | x | 40 |
| East Asia | 8 | 9 | 6 | 3 | 3 | - | - | - | X | $\times$ | 40 |
| China | 10 | 8 | 5 | 5 | 4 | - | - | x | X | $\times$ | 60 |
| Other East Asia | 3 | 3 | 4 | 2 | 3 | X | x | X | X | $\times$ | 80 |
| Southeast Asia | 12 | 12 | 12 | 7 | 5 | - | - | - | - | $x$ | 20 |
| Indonesia | 19 | 17 | 17 | 11 | 6 | - | - | - | - | - | 0 |
| Malaysia | -- - | 6 | 30 | 29 | 13 | -- | - | - | - | - | 0 |
| Thailand | 11 | 9 | 11 | 11 | 4 | - | - | - | - | $x$ | 20 |
| Other Southeast Asia | 14 | 11 | 10 | 3 | 0 | - | - | - | X | $\times$ | 40 |
| South Asia | 13 | 9 | 14 | 10 | 4 | - | - | - | - | $x$ | 20 |
| India | 12 | 10 | 11 | 9 | 5 | - | - | - | - | $\times$ | 20 |
| Oceania | 8 | 6 | 7 | 6 | 3 | - | - | - | - | $x$ | 20 |
| Australia | 10 | 9 | 7 | 5 | 2 | - | - | - | X | $\times$ | 40 |
| New Zealand | 11 | 6 | 8 | 9 | 4 | - | - | - | - | x | 20 |
| Africa | 6 | 10 | 11 | 6 | 5 | - | - | - | - | $x$ | 20 |
| Sub-Sahara | 7 | 3 | 8 | 3 | 3 | - | X | - | x | $x$ | 60 |
| Ivory Coast | 13 | 21 | 23 | 14 | 10 | - | - | - | - | - | 0 |
| Middle East | 9 | 11 | 14 | 9 | 8 | - | - | - | - | - | 0 |
| Turkey | 16 | 10 | 15 | 5 | 2 | - | - | - | X | X | 40 |
| Average error and accuracy | 10 | 9 | 10 | 7 | 4 | 22\% | 22\% | 22\% | 50\% | 83\% | 36 |

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## Related Websites

Outlook for U.S. Agricultural Trade
http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1196
Foreign Agricultural Service homepage: http://www.fas.usda.gov/
Economic Research Service homepage: http://www.ers.usda.gov/
U.S. Trade Data:

FAQ \& Summary Data:
http://www.fas.usda.gov/gats
http://www.ers.usda.gov/data/fatus
http://www.ers.usda.gov/briefing/agtrade
Articles on U.S. Trade:
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[^0]:    Reflects forecasts in the August 11, 2011, World Agricultural Supply and Demand Estimates report.
    Source: Compiled by USDA using data from U.S. Department of Commerce, Census Bureau.

[^1]:    1/ Real values have a 2005 base. 2/ Local currency per U.S. dollar. A negative rate of growth indicates a depreciation in the U.S. dollar. Source: Compiled by ERS using data and forecasts from Global Insight, the IMF, and Oxford Economics.

[^2]:    ${ }^{1}$ Forecast made for following fiscal year, with 15 months out. ${ }^{2}$ Forecast made for current fiscal year, with 3 months remaining in current fiscal year. - = Error exceeds 5 percent.

[^3]:    ${ }^{1}$ Forecast made for following fiscal year, with 15 months out. ${ }^{2}$ Forecast made for current fiscal year, with 3 months remaining in current fiscal year. - = Error exceeds 5 percent.

[^4]:    ${ }^{1}$ Forecast made for following fiscal year, with 15 months out. ${ }^{2}$ Forecast made for current fiscal year, with 3 months remaining in current fiscal year. - = Error exceeds 5 percent. HL = hectoliters.

[^5]:    ${ }^{1}$ Forecast made for following fiscal year, with 15 months out. ${ }^{2}$ Forecast made for current fiscal year, with 3 months remaining in current fiscal year. - = Error exceeds 5 percent. - - = No previous forecast.

