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# Outlook for U.S. Agricultural Trade

# FY 2010 Exports Expected to Rise to \$98 Billion; Imports to Fall to \$77.5 Billion

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Approved by the World Agricultural Outlook Board.

Fiscal 2010 agricultural exports are forecast at \$98 billion, up \$1 billion from the August forecast and \$1.4 billion above final FY 2009. Though the forecast is below the record 2008 level, exports are expected to be the second highest ever.

A recovering global economy is expected to boost demand for U.S. high value-products. Livestock, dairy, and poultry product exports are forecast to rise \$200 million over August. The forecast for oilseed exports is increased due to large exportable supplies and early season strong sales, while meal exports benefit from reduced competition from South American supplies. Meanwhile, cotton exports are forecast up slightly from August due to reduced competitor supplies. Grains are up due to higher corn export prices, while increased global demand for wheat is expected to be mostly met by foreign suppliers. Although the forecast is lowered \$500 million from August, horticultural product sales are expected to reach a new record, due primarily to slightly lower processed product volumes and lower tree nut prices.

Final FY 2009 imports fell a record \$5.9 billion from FY 2008 due to falling demand resulting from the global recession. However, FY 2010 agricultural imports are forecast up \$4.1 billion to \$77.5 billion. The increase consists of an additional \$400 million in livestock and meats, \$200 million in dairy products, \$200 million in grains and feeds, \$650 million in oilseed products, \$1.4 billion in horticulture, and \$1.2 billion in sugar and tropical products.

Table 1--U.S. agricultural trade, fiscal years 2005-2010, year ending September 30

|         |      |      |      |            |      | Forecast |      |  |  |
|---------|------|------|------|------------|------|----------|------|--|--|
| Item    | 2005 | 2006 | 2007 | 2008       | 2009 | fiscal   | 2010 |  |  |
|         |      |      |      |            |      | Aug.     | Nov. |  |  |
|         |      |      |      | \$ billion |      |          |      |  |  |
| Exports | 62.5 | 68.6 | 82.2 | 115.3      | 96.6 | 97.0     | 98.0 |  |  |
| Imports | 57.7 | 64.0 | 70.1 | 79.3       | 73.4 | 82.0     | 77.5 |  |  |
| Balance | 4.8  | 4.6  | 12.1 | 36.0       | 23.2 | 15.0     | 20.5 |  |  |

Reflects forecasts in the November 10, 2009, World Agricultural Supply and Demand Estimates report. Source: Compiled by USDA using data from Census Bureau, U.S. Department of Commerce.

# **Economic Outlook**

# World GDP Drops in 2009, But Recovery Picks up in Second Half

The Euro zone and the United States, after seeing the sharpest drops in Gross Domestic Product (GDP) since the Great Depression, turned around in the third quarter. GDP growth came in at an annualized rate of 1.7 percent for the Euro zone and 3.5 percent for the United States. Nevertheless, the U.S. economy is estimated to have shrunk 2.5 percent in 2009. Canada's economic output has dropped an estimated 2.6 percent, while the Mexican economy fell an estimated 6.6 percent in 2009. Japan saw its output drop 5.6 percent this year—a postwar record. In 2009, the Euro area saw GDP shrink an estimated 4 percent. China, the only major growth center in early 2009, will likely see output grow 8.6 percent. Given the weak first half of 2009, world GDP (valued at current exchange rates) is slated to shrink 2.2 percent in 2009, despite the recent recovery. North America, the Euro zone, and Asia have done better than expected 3 months ago. Still, world trade volume could have dropped as much as 8 percent, with value falling almost 15 percent in 2009 as a whole.

Household spending shrank in major developed countries, weakening import demand in the first half of 2009. As a result, agriculture and manufacturing in developing countries were depressed in the first half of 2009. World-wide trade disruptions led to large drops in aggregate demand and lower foreign direct investment in both developed and developing counties. Supply chain disruptions and excess capacity were very apparent in automobiles and auto parts. As the recovery begins, the ripple effects of the crises in world financial and asset markets and institutions are starting to turn around. Restrictive credit and high borrower interest rates have eased, and the lower cost and greater availability of short-term financing helped spur foreign trade in the second half of 2009. Worldwide loan availability has been improving with financial market conditions and equities markets surging as the recession bottomed out. Emerging Asia is leading the world economic turnaround. With broad stabilization of financial markets, a return to international capital flows, and an upturn in materials prices, world growth turned positive. Moreover, the recovery has been far from uniform either across sectors or nations.

Solid growth in China, India, and Korea in the third quarter have made emerging Asia the world recovery leader. Industrial output rose over 7 percent in the third quarter in Korea, Taiwan, and Thailand. Asian growth was led by China and India. The large Chinese stimulus package boosted growth in domestic demand, keeping that nation out of the world recession, although growth slowed. Indian deficit expansion also supported resurgent Asian growth as the Indian economy is expected to grow about 6 percent in 2009.

The Philippines will see mild GDP growth of 1 percent, reflecting a strong export growth in the second half of 2009 resulting in part from higher demand from China. Indonesia will likely experience 4 percent growth for the year due to a strong pickup from higher industrial commodity and oil prices as world industrial materials markets recovered in the second half.

# World Economy Moves to Positive Growth in 2010

Financial markets and commodity prices have apparently stabilized. Oil, selected industrial commodities, and many U.S. housing markets have appreciated from the bottoms of 2009. Brent crude oil prices, which averaged \$40 per barrel in December 2008, are expected to average \$65 per barrel in 2009. Crude oil prices are expected to be up 20 percent in 2010. Stock markets have risen, reflecting improved economic prospects for 2010.

The U.S. and Canadian economies are expected to grow 2.5 percent in 2010, somewhat hampered by weak growth in consumption as households trim debt. Mexico is likely to see 2 percent growth as the U.S. recovers, and as world commodity prices rise further. Expected growth of 1 percent in the Euro zone and Japan will modestly restrain the world recovery. Developed economies overall will grow about 1.7 percent in 2010. Developing economies are expected to grow 5.5 percent, being the major source of strengthening world growth in 2010. Output in Asia is expected to be up 7 percent, due to increased trade with developed economies, a surge in intra-Asian trade, and higher domestic demand despite sluggish Japanese growth. Expected Chinese growth of 9.2 percent will lead the Asian economy. Taiwan, Korea, Malaysia, and Thailand are expected to see 2.5 to 4 percent growth in 2010. Indonesia's and India's forecast growth of 5 and 7 percent, respectively, will round out the Asian growth picture. South America is expected to grow 3.3 percent in 2010. Brazil will lead the way with 4 percent growth in GDP. Output in Colombia and Argentina is slated to grow about 3 percent.

# The Dollar Continues Mixed in Fiscal 2010

The yen, estimated to have appreciated 3 percent versus the dollar from the fourth quarter of 2008 to the third quarter of 2009, is expected to depreciate 9 percent from the fourth quarter of 2009 to the third quarter of 2010. The Canadian dollar appreciated an estimated 9.3 percent versus the dollar in 2009, and is expected to appreciate about 2.9 percent in 2010. The Mexican peso, estimated to have dropped 2.2 percent relative to the dollar in 2009, is slated to pick up 1 percent against the dollar in 2010. Brazil, with the real appreciating about 18 percent in 2009, is expected to see depreciation of about 9 percent in 2010. The British pound, which appreciated about 4.5 percent in 2009, is expected to see a 5-percent appreciation versus the dollar in 2010. The euro appreciated 8.5 percent from 2008-09 while it is expected to depreciate in 2010. The yuan was virtually unchanged from 2008-09, but is expected to appreciate 1 percent against the dollar in 2010.

### Risks and Caveats

The world recovery in 2010 will come with a modest contribution from the EU and Japan. Asia, North America, and Latin America need to have sufficient liquidity to finance international trade for trade volumes to increase enough to support the modest world growth expected in 2010. For the United States at least, job expansion is expected to be sluggish, adding risk to expected consumer spending growth. Given the severity of the recent recession, U.S. businesses will be less likely to add workers until they see a large, and sustained, rise in product demand. If U.S. consumers increase their saving too rapidly or credit tightens, the fragile recovery expected in 2010 could derail and possibly spill over into the rest of the world.

# **Export Products**

The fiscal 2010 forecast for grain and feed exports is raised \$600 million from August to \$26.1 billion. Most of the revision is due to higher estimates for coarse grain values and export volumes of feed and fodder products, including dried distillers grains (DDGs). Exports of DDGs have been on the rise over the past year to markets such as Mexico, Thailand, South Korea, Vietnam, Indonesia, and Cuba.

Corn exports are boosted \$500 million to \$9.5 billion. Global import demand remains flat, so the increase is solely value-driven by firm domestic prices. Although the U.S. crop is larger, quality concerns could constrain export prospects in some markets.

Meanwhile, wheat exports are virtually unchanged at \$5.8 billion as slightly higher unit values mostly offset reduced volume. Although world trade has expanded, huge foreign exportable supplies are available in all major exporting countries, except Argentina, which creates intense competition and limits export expansion opportunities for the United States. Rice exports remain at \$1.8 billion as slower sales to South America and the Middle East are offset by higher unit values caused by a weaker dollar and weather-related crop losses in India and the Philippines. The volume is forecast to decline 100,000 tons to 3.4 million.

The fiscal 2010 forecast for oilseeds and products is increased to \$20.4 billion, up \$400 million from the August forecast. Soybeans account for three-quarters of the rise as record early season sales and a larger harvest add 1.7 million tons to the export forecast. Export value grew \$300 million despite a 2 percent drop in unit values from August. A larger U.S. soybean crush and reduced South American supplies through early 2010 leads to a higher soybean meal export forecast. Meal exports are up \$90 million to \$2.8 billion despite a lower unit value. The soybean oil export forecast rose marginally on higher unit values, whereas export volume remains unchanged at 1.5 million tons.

The fiscal 2010 cotton export forecast is raised \$200 million since August to \$3.3 billion. Export volume is up 100,000 tons to 2.3 million tons due to a slight increase in world demand, whereas higher unit export values are caused by tighter domestic and foreign stocks.

The fiscal 2010 horticultural product export value is lowered \$500 million from the August forecast, but remains a record \$21.5 billion. This downward revision is mainly due to lower volumes of processed fruit and vegetables as well as falling unit values for almonds. However, for most other products, expanding exports are due primarily to higher unit values, a driving force over the last several years.

Fresh fruit and vegetable exports are forecast at \$5.7 billion, unchanged from August. Exports to Canada and, to a lesser extent, Mexico and Japan are expected to expand in terms of value. Processed fruit and vegetable exports are forecast at \$5.7 billion, reduced \$300 million due mainly to lower volumes to Canada and Japan. Whole and processed tree nut exports are forecast at \$3.6 billion, down \$200 million from August. Record almond inventories are forecast to continue pressuring prices, more than offsetting export value gains from walnuts and pistachios. Fiscal 2010 exports of sugar and tropical products, including coffee and cocoa products, are forecast at \$4.3 billion, unchanged from August.

The fiscal 2010 export forecast for livestock, poultry, and dairy products is up \$200 million to \$19.9 billion, as strong gains in dairy outweigh moderate declines in poultry exports. The forecast for exports of dairy products is raised by 10 percent with U.S. prices more competitive as global prices have staged a dramatic recovery. Further, the recent decision by the EU to sharply curtail export subsidies has provided a significant boost to global dairy prices. Import demand is expected to expand slightly while competitor supplies—particularly from Oceania—will likely be constrained by lower-than-expected production.

Beef is forecast \$200 million higher, largely as tighter global supplies are expected to bolster prices, and North American and Asian demand will be helped by economic recovery. The forecast for broiler meat is revised downward by \$100 million to nearly \$3 billion on lower values. Weaker demand and prices for U.S. product are a result of increased production in Russia and China to meet consumption needs, as well as lingering non-tariff barriers.

Table 2--U.S. agricultural exports: Value and volume by commodity, 2006-2010

| Commodity  |         | Fiscal  | vear              |         | Forecast<br>fiscal 2010 |       |  |
|--|---------|---------|-------------------|---------|-------------------------|-------|--|
| · · · · · · · · · · · · · · · · · ·                                | 2006    | 2007    | 2008              | 2009    | Aug.                    | Nov.  |  |
| VALUE  |         | •       |                   |         |                         |       |  |
| Grains and feeds 1/  | 18.281  | 24.256  | 38.326            | 26.323  | 25.5                    | 26.1  |  |
| Wheat 2/   | 4.290   | 6.533   | 12.332            | 5.997   | 5.9                     | 5.8   |  |
| Rice   | 1.296   | 1.279   | 2.016             | 2.258   | 1.8                     | 1.8   |  |
| Coarse grains 3/   | 6.808   | 9.783   | 15.750            | 10.018  | 9.6                     | 10.2  |  |
| Corn   | 6.187   | 8.933   | 13.999            | 9.312   | 9.0                     | 9.5   |  |
| Feeds and fodders  | 3.090   | 3.493   | 4.821             | 4.512   | 4.5                     | 4.6   |  |
| Dilseeds and products 4/   | 10.643  | 13.671  | 22.810            | 20.951  | 20.1                    | 20.4  |  |
| Soybeans   | 6.334   | 8.483   | 14.516            | 13.904  | 12.9                    | 13.2  |  |
| Soybean meal 5/  | 1.599   | 1.937   | 3.231             | 2.950   | 2.7                     | 2.8   |  |
| Soybean oil  | 0.311   | 0.608   | 1.532             | 0.855   | 1.4                     | 1.4   |  |
| ivestock, poultry, and dairy                                       | 13.369  | 16.361  | 22.164            | 18.776  | 19.7                    | 19.9  |  |
| Livestock products   | 8.636   | 10.121  | 13.203            | 11.663  | 12.7                    | 12.8  |  |
| Beef and veal 6/   | 1.399   | 1.899   | 2.664             | 2.585   | 2.6                     | 2.8   |  |
| Pork 6/  | 2.399   | 2.625   | 3.932             | 3.654   | 4.0                     | 4.0   |  |
| Beef and pork variety meats 6/                                     | 0.761   | 0.830   | 1.271             | 1.116   | 1.4                     | 1.3   |  |
| Hides, skins, and furs   | 1.978   | 2.161   | 2.131             | 1.510   | 1.7                     | 1.6   |  |
| Poultry and products   | 2.967   | 3.777   | 4.929             | 4.850   | 4.6                     | 4.5   |  |
| Broiler meat 6/ 7/   | 1.911   | 2.481   | 3.422             | 3.372   | 3.1                     | 3.0   |  |
| Dairy products   | 1.766   | 2.463   | 4.032             | 2.264   | 2.4                     | 2.6   |  |
| obacco, unmanufactured   | 1.058   | 1.143   | 1.280             | 1.199   | 1.2                     | 1.2   |  |
| Cotton   | 4.666   | 4.294   | 4.754             | 3.581   | 3.1                     | 3.3   |  |
| Seeds  | 0.880   | 0.943   | 1.166             | 1.250   | 1.3                     | 1.3   |  |
| Horticultural products 8/  | 16.758  | 18.020  | 20.792            | 20.626  | 22.0                    | 21.5  |  |
| Fruits and vegetables, fresh                                       | 4.471   | 4.786   | 5.508             | 5.412   | 5.7                     | 5.7   |  |
| •  | 3.924   | 4.399   | 5.369             | 5.380   | 6.0                     | 5.7   |  |
| Fruits and vegetables, processed 8/ Tree nuts, whole and processed | 3.009   | 3.025   | 3.487             | 3.495   | 3.8                     | 3.6   |  |
|  | 3.008   | 3.471   | 4.004             | 3.493   | 4.3                     |       |  |
| Sugar and tropical products 9/                                     |         |         |                   |         |                         | 4.3   |  |
| Major bulk products 10/  | 24.452  | 31.514  | 50.648            | 36.957  | 34.5                    | 35.5  |  |
| Total  | 68.593  | 82.170  | 115.305           | 96.632  | 97.0                    | 98.0  |  |
| /OLUME   |         |         | llion metric tons |         |                         |       |  |
| Vheat 2/   | 25.005  | 29.413  | 32.847            | 22.552  | 25.5                    | 24.7  |  |
| Rice   | 4.024   | 3.316   | 3.909             | 3.411   | 3.5                     | 3.4   |  |
| Coarse grains 3/   | 61.363  | 59.051  | 68.205            | 51.604  | 57.0                    | 56.9  |  |
| Corn   | 56.038  | 54.159  | 60.593            | 47.808  | 53.0                    | 53.0  |  |
| eeds and fodders   | 11.727  | 11.677  | 14.476            | 13.960  | 13.8                    | 14.8  |  |
| Soybeans   | 26.418  | 30.309  | 30.784            | 35.170  | 34.4                    | 36.1  |  |
| Soybean meal 5/  | 7.301   | 7.987   | 8.384             | 7.718   | 8.1                     | 8.7   |  |
| Soybean oil  | 0.523   | 0.851   | 1.320             | 0.995   | 1.5                     | 1.5   |  |
| Beef and veal 6/   | 0.345   | 0.442   | 0.600             | 0.595   | 0.6                     | 0.6   |  |
| Pork 6/  | 0.984   | 1.004   | 1.529             | 1.390   | 1.5                     | 1.5   |  |
| Beef and pork variety meats 6/                                     | 0.489   | 0.506   | 0.724             | 0.749   | 0.9                     | 8.0   |  |
| Broiler meat 6/ 7/   | 2.321   | 2.576   | 3.107             | 3.116   | 2.8                     | 2.8   |  |
| Fobacco, unmanufactured  | 0.169   | 0.180   | 0.184             | 0.167   | 0.2                     | 0.2   |  |
| Cotton   | 3.679   | 3.104   | 2.957             | 2.746   | 2.2                     | 2.3   |  |
| Major bulk products 10/  | 120.658 | 125.372 | 138.886           | 115.650 | 122.7                   | 123.6 |  |

Total may not add due to rounding.

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

<sup>1/</sup> 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.

# **Regional Exports**

Fiscal 2010 agricultural exports are forecast to rise to \$98 billion, up from the August forecast of \$97 billion, and the final fiscal 2009 value of \$96.6 billion. Year-over-year increases in total export value are concentrated in North America where exports are forecast to rise by \$700 million over 2009 levels. Increases are also forecast for East Asia (up \$200 million), and \$100 million each in Caribbean, South America, the EU and Africa. Export values are expected to remain mostly steady in most areas.

The top five export markets account for 61 percent of all exports at \$60 billion in 2010. Canada and Mexico remain the top markets with exports of \$15.7 and \$14 billion. Japan is forecast to increase by \$100 million over 2009 levels (to \$11.3 billion). China is forecast to remain slightly above 2009 levels at \$11.2 billion. The export forecast to the EU-27 is \$7.7 billion (also up \$100 million from 2009 levels).

Table 3--U.S. agricultural exports: Value by region, 2006-2010

| Country and region 1/         |                 | Fiscal | year    |        | Foreca<br>fiscal 20 |      | Share of<br>2009 |  |  |  |
|-------------------------------|-----------------|--------|---------|--------|---------------------|------|------------------|--|--|--|
|                               | 2006            | 2007   | 2008    | 2009   | Aug.                | Nov. | total            |  |  |  |
|                               | Billion dollars |        |         |        |                     |      |                  |  |  |  |
| Asia                          | 24.937          | 29.345 | 43.228  | 37.821 | 37.2                | 38.0 | 39.3             |  |  |  |
| East Asia                     | 20.827          | 23.952 | 34.934  | 30.914 | 30.7                | 31.1 | 32.4             |  |  |  |
| Japan                         | 8.155           | 9.699  | 13.061  | 11.221 | 11.4                | 11.3 | 12.1             |  |  |  |
| China                         | 6.613           | 7.051  | 11.170  | 11.157 | 10.9                | 11.2 | 11.7             |  |  |  |
| Hong Kong                     | 0.912           | 1.082  | 1.598   | 1.789  | 1.7                 | 1.8  | 1.7              |  |  |  |
| Taiwan                        | 2.416           | 2.915  | 3.509   | 2.892  | 2.7                 | 2.9  | 2.8              |  |  |  |
| South Korea                   | 2.719           | 3.190  | 5.552   | 3.826  | 3.9                 | 3.9  | 4.0              |  |  |  |
| Southeast Asia                | 3.433           | 4.361  | 7.113   | 5.692  | 5.4                 | 5.7  | 5.7              |  |  |  |
| Indonesia                     | 1.047           | 1.374  | 2.205   | 1.667  | 1.7                 | 1.7  | 1.8              |  |  |  |
| Philippines                   | 0.828           | 0.963  | 1.730   | 1.247  | 1.3                 | 1.3  | 1.3              |  |  |  |
| Malaysia                      | 0.426           | 0.508  | 0.631   | 0.562  | 0.5                 | 0.6  | 0.5              |  |  |  |
| Thailand                      | 0.640           | 0.798  | 1.144   | 0.910  | 0.9                 | 0.9  | 0.9              |  |  |  |
| South Asia                    | 0.676           | 1.031  | 1.181   | 1.215  | 1.1                 | 1.2  | 1.1              |  |  |  |
| Western Hemisphere            | 28.082          | 33.268 | 43.801  | 38.326 | 39.6                | 39.3 | 40.0             |  |  |  |
| North America                 | 22.006          | 25.592 | 31.839  | 28.978 | 30.6                | 29.7 | 30.6             |  |  |  |
| Canada                        | 11.609          | 13.261 | 16.257  | 15.518 | 16.1                | 15.7 | 16.0             |  |  |  |
| Mexico                        | 10.397          | 12.331 | 15.582  | 13.460 | 14.5                | 14.0 | 14.6             |  |  |  |
| Caribbean                     | 2.038           | 2.397  | 3.512   | 3.160  | 3.3                 | 3.3  | 3.4              |  |  |  |
| Central America               | 1.744           | 2.186  | 3.058   | 2.660  | 2.6                 | 2.7  | 2.7              |  |  |  |
| South America                 | 2.294           | 3.094  | 5.392   | 3.529  | 3.1                 | 3.6  | 3.4              |  |  |  |
| Brazil                        | 0.281           | 0.386  | 0.663   | 0.382  | 0.4                 | 0.4  | 0.4              |  |  |  |
| Colombia                      | 0.802           | 1.124  | 1.757   | 0.954  | 0.9                 | 1.0  | 0.9              |  |  |  |
| Venezuela                     | 0.442           | 0.518  | 1.451   | 1.051  | 1.1                 | 1.2  | 1.2              |  |  |  |
| Europe/Eurasia                | 8.597           | 9.813  | 13.509  | 9.934  | 9.4                 | 10.0 | 9.6              |  |  |  |
| European Union-27 2/          | 7.181           | 8.040  | 10.660  | 7.620  | 7.3                 | 7.7  | 7.5              |  |  |  |
| Other Europe 3/               | 0.326           | 0.331  | 0.517   | 0.550  | 0.5                 | 0.6  | 0.5              |  |  |  |
| FSU-12 4/                     | 1.090           | 1.442  | 2.333   | 1.764  | 1.6                 | 1.7  | 1.6              |  |  |  |
| Russia                        | 0.906           | 1.124  | 1.888   | 1.429  | 1.3                 | 1.4  | 1.3              |  |  |  |
| Middle East                   | 3.060           | 4.219  | 6.925   | 4.865  | 4.8                 | 4.9  | 5.1              |  |  |  |
| Turkey                        | 1.009           | 1.363  | 1.732   | 1.388  | 1.3                 | 1.4  | 1.3              |  |  |  |
| Saudi Arabia                  | 0.435           | 0.536  | 0.978   | 0.686  | 0.7                 | 0.7  | 0.7              |  |  |  |
| Africa                        | 3.052           | 4.338  | 6.363   | 4.286  | 4.6                 | 4.4  | 4.5              |  |  |  |
| North Africa                  | 1.616           | 2.698  | 3.841   | 2.127  | 2.0                 | 2.0  | 1.9              |  |  |  |
| Egypt                         | 0.955           | 1.685  | 2.199   | 1.421  | 1.4                 | 1.4  | 1.4              |  |  |  |
| Sub-Saharan Africa            | 1.436           | 1.640  | 2.523   | 2.160  | 2.5                 | 2.2  | 2.5              |  |  |  |
| Oceania                       | 0.734           | 0.899  | 1.142   | 1.239  | 1.2                 | 1.2  | 1.2              |  |  |  |
| Trans-shipments via Canada 5/ | 0.131           | 0.288  | 0.336   | 0.160  | 0.2                 | 0.2  | 0.2              |  |  |  |
| Total                         | 68.593          | 82.170 | 115.305 | 96.632 | 97.0                | 98.0 | 100.0            |  |  |  |

Total may not add due to rounding.

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

<sup>1/</sup> Projections are based primarily on trend or recent average growth analysis.

<sup>2/</sup> The former EU-25 plus Romania and Bulgaria who acceded in January 2007.

<sup>3/</sup> Major countries include Switzerland, Norway, Iceland, and former Yugoslav states.

<sup>4/</sup> The former 15 Republics of the Soviet Union minus the three Baltic Republics.

<sup>5/</sup> Trans-shipments through Canada have not been allocated to final destination, but are included in the total.

# **Import Products**

U.S. agricultural imports in fiscal year 2010 are forecast to gradually rebound to \$77.5 billion from \$73.4 billion in 2009, which declined 7-percent from 2008. This 5.5-percent projected gain is based partly on a modest recovery in spending by consumers over the next year. From June to August 2009, personal consumption expenditures rose by an average 0.76 percent per month. In September 2009, however, consumer spending decreased by 0.5 percent, reflecting the summer's lower real disposable income. Another factor that is expected to raise U.S. import value is world price inflation for some high-value commodities such as sugar, cocoa and coffee beans, olive oil, and rubber.

Although the volume of U.S. farm imports fell 3 percent in 2009—the first volume drop since 1995—a further retreat is not forecast in fiscal 2010. The lower exchange rate of the dollar will likely prevent imports from posting significant volume gains in 2010 even if the U.S. economy moderately recovers. While imports of meats, dairy products, grains, grain products, and vegetable oils are not expected to reach 2008 levels, import values for some horticulture and tropical products will come close to or even exceed 2008 levels. In general, however, the new forecasts for 2010 are lower than the previous forecasts after total imports declined 11.5 percent in volume and 14.6 percent in value in July to September 2009 compared to the same quarter in 2008. Over fiscal 2009, import value fell 7.4 percent and volume dropped 3 percent, which reflects a 4.4-percent import price deflation.

The \$4.1-billion projected increase in agricultural imports in 2010 from 2009 levels consists of an additional \$400 million in livestock and meats, \$200 million in dairy products, \$200 million in grains and feeds, \$650 million in oilseed products, \$1.4 billion in horticulture, and \$1.2 billion in sugar and tropical products. In aggregate, these import forecasts are \$4.5 billion lower than the August forecast, which was prematurely optimistic. Given the persistently high domestic unemployment rate, the recent weak disposable income picture, and the lower purchasing power of the dollar, the prospects for U.S. import demand rebounding over the short term are limited and modest at best.

Compared with the August forecast for 2010, there is a \$400-million cut in imported livestock and products, which is largely accounted for by the \$300-million decline in beef imports, mostly from reduced supplies from Australia and New Zealand. Swine from Canada are also anticipated to be 500,000 head lower than forecast previously (and 1.3 million head less than in 2009) due to increased Canadian slaughter, the continued decline of Canada's breeding herd which translates into a smaller pig crop, and the relative strength of the Canadian dollar. Although dairy imports are forecast to increase from 2009, the forecast is reduced from August, as the weaker pace of imports late in 2009 carries into 2010.

With respect to imported horticulture crops and products, lower import prices of processed fruit, particularly of fruit juices, as well as wine, contribute to the reduced import value forecasts for 2010. The exception is fresh fruits, which not only boast a \$500-million gain from 2009, but also a \$200-million boost from the August forecast for 2010, largely due to the 12-percent higher average import price in 2009. The story behind fresh fruits, including bananas, is the significant import volume decline as unit prices rose in 2009. Nevertheless, a \$1-billion adjustment downward

in overall horticulture import forecast for 2010 is indicative of lingering soft domestic demand.

The price of cocoa beans has exceeded its last peak of \$3,000 per metric ton in 2008, which indicates continued high import values for cocoa powder and chocolate products. Unlike most imported commodities, cocoa shipments increased in 2009 in spite of higher average prices. Higher import prices for cocoa beans are attributed in part to lower volume in futures trading at the New York Board of Trade as many large candy manufacturers stopped using the exchange to hedge purchase costs and risks. Close to \$300 million more cocoa products were imported in 2009 compared with 2008. A similar gain is anticipated in 2010.

Higher global sugar prices, which are exacerbated by supply problems in Brazil and India, are expected to boost the import value of raw and refined sugar, other sweeteners, and confections by \$200 million in 2010 despite a lower expected import volume for cane sugar. Coffee bean imports are forecast to rise by \$200 million through 2010 as prices continue to pick up moderately. Rubber prices from Malaysia are also pacing up and, along with more U.S. auto production and car sales, are projected to push rubber imports to \$2 billion in 2010, a gain of more than \$400 million from 2009.

Table 4--U.S. agricultural imports: Value and volume by commodity, fiscal years 2006-2010

| O a server a differen         |        | Fiscal year |                    |        |        |       |  |  |  |  |
|-------------------------------|--------|-------------|--------------------|--------|--------|-------|--|--|--|--|
| Commodity                     | 2006   | 2007        | 2008               | 2009   | fiscal | Nov.  |  |  |  |  |
| VALUE                         | 2006   | 2007        |                    |        | Aug.   | INOV. |  |  |  |  |
| VALUE                         |        |             | Billion dollars    |        |        |       |  |  |  |  |
| Livestock, dairy, and poultry | 11.527 | 12.030      | 12.175             | 10.688 | 12.0   | 11.3  |  |  |  |  |
| Livestock and meats           | 8.510  | 8.907       | 8.703              | 7.615  | 8.4    | 8.0   |  |  |  |  |
| Cattle and calves             | 1.602  | 1.698       | 2.022              | 1.386  | 1.5    | 1.5   |  |  |  |  |
| Swine                         | 0.580  | 0.646       | 0.544              | 0.332  | 0.3    | 0.3   |  |  |  |  |
| Beef and veal                 | 3.254  | 3.385       | 2.965              | 2.934  | 3.3    | 3.0   |  |  |  |  |
| Pork                          | 1.263  | 1.210       | 1.099              | 1.016  | 1.0    | 1.0   |  |  |  |  |
| Dairy products                | 2.609  | 2.661       | 3.008              | 2.678  | 3.1    | 2.9   |  |  |  |  |
| Cheese                        | 0.993  | 1.076       | 1.172              | 1.045  | 1.2    | 1.1   |  |  |  |  |
| Grains and feed               | 4.926  | 5.993       | 7.884              | 7.374  | 8.2    | 7.6   |  |  |  |  |
| Grain products                | 3.434  | 3.917       | 4.603              | 4.522  | 4.8    | 4.6   |  |  |  |  |
| Oilseeds and products         | 3.472  | 4.026       | 6.587              | 5.352  | 6.6    | 6.0   |  |  |  |  |
| Vegetable oils                | 2.444  | 2.781       | 4.600              | 3.748  | 4.6    | 4.2   |  |  |  |  |
| Horticulture products         | 29.142 | 32.386      | 34.707             | 33.013 | 35.5   | 34.4  |  |  |  |  |
| Fruits, fresh                 | 4.687  | 5.401       | 5.544              | 6.069  | 6.4    | 6.6   |  |  |  |  |
| Fruits, processed             | 2.601  | 3.416       | 3.981              | 3.376  | 3.7    | 3.6   |  |  |  |  |
| Fruit juices                  | 1.056  | 1.616       | 1.932              | 1.415  | 1.6    | 1.5   |  |  |  |  |
| Nuts, whole and processed     | 1.071  | 1.078       | 1.276              | 1.151  | 1.4    | 1.2   |  |  |  |  |
| Vegetables, fresh             | 3.979  | 4.165       | 4.441              | 4.234  | 4.4    | 4.3   |  |  |  |  |
| Vegetables, processed         | 2.754  | 3.149       | 3.520              | 3.483  | 3.7    | 3.6   |  |  |  |  |
| Wine                          | 4.043  | 4.543       | 4.753              | 4.085  | 4.5    | 4.2   |  |  |  |  |
| Malt beer                     | 3.376  | 3.686       | 3.662              | 3.428  | 3.7    | 3.5   |  |  |  |  |
| Essential oils                | 2.469  | 2.431       | 2.653              | 2.408  | 2.6    | 2.5   |  |  |  |  |
| Cut flowers and nursery stock | 1.424  | 1.531       | 1.515              | 1.357  | 1.4    | 1.4   |  |  |  |  |
| Sugar and tropical products   | 13.593 | 14.142      | 16.357             | 15.349 | 18.0   | 16.5  |  |  |  |  |
| Cane and beet sugar           | 1.405  | 0.817       | 0.949              | 1.249  | 2.0    | 1.3   |  |  |  |  |
| Confections 1/                | 1.170  | 1.220       | 1.255              | 1.172  | 1.3    | 1.2   |  |  |  |  |
| Cocoa and chocolate 1/        | 2.631  | 2.593       | 3.046              | 3.300  | 3.6    | 3.6   |  |  |  |  |
| Coffee beans and products     | 3.206  | 3.654       | 4.349              | 4.148  | 4.5    | 4.3   |  |  |  |  |
| Rubber, natural               | 1.950  | 2.087       | 2.711              | 1.569  | 2.4    | 2.0   |  |  |  |  |
| Other imports 2/              | 1.367  | 1.486       | 1.610              | 1.642  | 1.7    | 1.7   |  |  |  |  |
| Total agricultural imports    | 64.026 | 70.063      | 79.320             | 73.418 | 82.0   | 77.5  |  |  |  |  |
| VOLUME                        |        | -           | Million metric tor | ıs     |        |       |  |  |  |  |
| Wine 3/                       | 0.783  | 0.869       | 0.835              | 0.934  | 1.2    | 1.0   |  |  |  |  |
| Malt beer 3/                  | 3.223  | 3.535       | 3.389              | 3.121  | 3.4    | 3.2   |  |  |  |  |
| Fruit juices 3/               | 3.804  | 4.791       | 4.935              | 4.399  | 4.3    | 4.5   |  |  |  |  |
| Cattle and calves 4/          | 2.397  | 2.320       | 2.563              | 2.040  | 2.2    | 2.1   |  |  |  |  |
| Swine 4/                      | 8.613  | 9.474       | 10.134             | 6.976  | 6.2    | 5.7   |  |  |  |  |
| Beef and veal                 | 1.027  | 1.026       | 0.820              | 0.897  | 1.0    | 0.9   |  |  |  |  |
| Pork                          | 0.437  | 0.423       | 0.359              | 0.358  | 0.4    | 0.4   |  |  |  |  |
| Fruits, fresh                 | 8.003  | 8.787       | 8.668              | 8.454  | 9.0    | 8.8   |  |  |  |  |
| Fruits, processed 5/          | 1.327  | 1.440       | 1.447              | 1.365  | 1.5    | 1.4   |  |  |  |  |
| Vegetables, fresh             | 4.076  | 4.384       | 4.596              | 4.545  | 4.6    | 4.6   |  |  |  |  |
| Vegetables, processed 5/      | 2.763  | 2.953       | 3.015              | 2.937  | 3.1    | 3.0   |  |  |  |  |
| Vegetable oils                | 2.500  | 2.645       | 3.255              | 3.339  | 3.5    | 3.4   |  |  |  |  |
| Cocoa and chocolate           | 1.263  | 1.140       | 1.075              | 1.134  | 1.2    | 1.2   |  |  |  |  |
| Coffee beans                  | 1.296  | 1.369       | 1.350              | 1.346  | 1.5    | 1.4   |  |  |  |  |
| Rubber, natural               | 1.069  | 1.005       | 1.065              | 0.739  | 1.0    | 0.9   |  |  |  |  |

Total may not add due to rounding.

<sup>1/</sup> Confections are consumer-ready products that contain sugar. Cocoa and chocolate are intermediate products.

<sup>2/</sup> Largely tobacco and planting seeds. 3/ Liquid volume is in billion liters. 4/ Million head; includes bison. 5/ Excludes juices. Source: Compiled by USDA using data from Census Bureau, U.S. Department of Commerce.

# **Regional Imports**

Most major U.S. import sources are expected to ship more agricultural products to the U.S. in 2010 than they did in 2009. Asia is set to continue gaining market share from Europe, as the dollar depreciates. Higher-value imports from Europe are also more sensitive to weak income growth in the U.S. Countries with free trade agreements with the U.S., or whose currencies move closely with the dollar, will benefit as competition to supply the U.S. market depends more on access and price advantages. These countries supplied almost half of the value of U.S. agricultural imports in 2009, or \$35.8 billion. Three additional countries, with pending trade agreements, will raise that import share to 52 percent. Lower shipping costs, which apply largely to countries in the Western Hemisphere, also factor into competitive advantage.

Weak domestic demand in the U.S. contributes to overall soft global food and beverage prices given that the U.S. imports a sizable portion of world food exports. The U.S. imports 8 percent of the world's food and farm animal exports (based on value), 78 percent more than the 4.5 percent U.S. population share. By itself, the annual addition of about 2.8 million people to the U.S. population, including 1 million new immigrants, represent a continued large demand for foreign edible products, as these immigrants are likely to have more diverse food tastes. Domestic dependence on imported foods and beverages continues to increase. The share of imports in U.S. food consumption is now estimated at 18 percent, up from 13.5 percent in 2000 and 11 percent in 1990.

Table 5--U.S. agricultural imports: Value by region, fiscal years 2006-2010

|                       |        | <u>-</u> |                 |        | Forec    | Share of |         |  |
|-----------------------|--------|----------|-----------------|--------|----------|----------|---------|--|
| Country and region 1/ |        | Fiscal y |                 |        | fiscal 2 |          |         |  |
|                       | 2006   | 2007     | 2008            | 2009   | Aug.     | Nov.     | total   |  |
|                       |        |          | Billion dollars | S      |          |          | Percent |  |
| Western Hemisphere    | 33.756 | 37.085   | 41.880          | 40.087 | 44.1     | 42.2     | 54.5    |  |
| Canada                | 13.203 | 14.703   | 17.936          | 15.351 | 17.2     | 16.0     | 20.6    |  |
| Mexico                | 9.316  | 9.916    | 10.761          | 11.255 | 12.2     | 12.0     | 15.5    |  |
| Central America       | 2.846  | 3.110    | 3.548           | 3.354  | 3.8      | 3.6      | 4.6     |  |
| Costa Rica            | 1.157  | 1.214    | 1.202           | 1.121  | 1.3      | 1.2      | 1.5     |  |
| Guatemala             | 0.933  | 1.025    | 1.259           | 1.292  | 1.5      | 1.4      | 1.8     |  |
| Other Central America | 0.756  | 0.870    | 1.087           | 0.942  | 1.0      | 1.0      | 1.3     |  |
| Caribbean             | 0.443  | 0.451    | 0.423           | 0.525  | 0.5      | 0.6      | 0.8     |  |
| South America         | 7.948  | 8.905    | 9.212           | 9.601  | 10.6     | 10.1     | 13.0    |  |
| Argentina             | 0.908  | 1.102    | 1.176           | 1.187  | 1.5      | 1.3      | 1.7     |  |
| Brazil                | 2.208  | 2.539    | 2.598           | 2.551  | 2.7      | 2.6      | 3.4     |  |
| Chile                 | 1.714  | 1.919    | 1.961           | 2.135  | 2.3      | 2.2      | 2.8     |  |
| Colombia              | 1.451  | 1.518    | 1.716           | 1.771  | 1.9      | 1.9      | 2.5     |  |
| Other South America   | 1.666  | 1.827    | 1.762           | 1.958  | 2.2      | 2.1      | 2.7     |  |
| Europe and Eurasia    | 14.492 | 15.547   | 16.565          | 14.520 | 16.0     | 15.1     | 19.5    |  |
| European Union-27 1/  | 14.111 | 14.990   | 15.781          | 13.646 | 14.8     | 14.0     | 18.1    |  |
| Other Europe          | 0.330  | 0.491    | 0.706           | 0.793  | 1.1      | 1.0      | 1.3     |  |
| Asia                  | 9.432  | 10.821   | 14.166          | 12.039 | 14.3     | 13.2     | 17.0    |  |
| East Asia             | 3.030  | 3.764    | 4.481           | 3.948  | 4.4      | 4.1      | 5.3     |  |
| China                 | 2.107  | 2.798    | 3.426           | 2.915  | 3.2      | 3.0      | 3.9     |  |
| Other East Asia       | 0.923  | 0.966    | 1.055           | 1.034  | 1.2      | 1.1      | 1.4     |  |
| Southeast Asia        | 5.287  | 5.840    | 8.007           | 6.626  | 8.1      | 7.4      | 9.5     |  |
| Indonesia             | 2.049  | 1.938    | 2.669           | 1.999  | 2.6      | 2.2      | 2.8     |  |
| Malaysia              | 0.788  | 1.028    | 1.710           | 1.480  | 1.8      | 1.7      | 2.2     |  |
| Thailand              | 1.272  | 1.497    | 1.831           | 1.594  | 1.9      | 1.8      | 2.3     |  |
| Other Southeast Asia  | 1.178  | 1.376    | 1.796           | 1.554  | 1.7      | 1.7      | 2.2     |  |
| South Asia            | 1.114  | 1.217    | 1.678           | 1.464  | 1.8      | 1.7      | 2.2     |  |
| India                 | 1.012  | 1.099    | 1.533           | 1.319  | 1.6      | 1.5      | 1.9     |  |
| Oceania               | 4.232  | 4.402    | 4.243           | 4.321  | 4.9      | 4.5      | 5.8     |  |
| Australia             | 2.434  | 2.610    | 2.404           | 2.445  | 2.7      | 2.5      | 3.2     |  |
| New Zealand           | 1.705  | 1.701    | 1.740           | 1.784  | 2.0      | 1.9      | 2.5     |  |
| Africa                | 1.407  | 1.392    | 1.659           | 1.659  | 1.8      | 1.7      | 2.2     |  |
| Sub-Sahara            | 1.209  | 1.178    | 1.402           | 1.360  | 1.5      | 1.4      | 1.8     |  |
| Ivory Coast           | 0.460  | 0.482    | 0.633           | 0.603  | 0.6      | 0.6      | 0.8     |  |
| Middle East           | 0.708  | 0.815    | 0.808           | 0.792  | 0.9      | 0.8      | 1.0     |  |
| Turkey                | 0.427  | 0.478    | 0.490           | 0.484  | 0.5      | 0.5      | 0.6     |  |
| World total           | 64.026 | 70.063   | 79.320          | 73.4   | 82.0     | 77.5     | 100.0   |  |

Totals may not add due to rounding.

 $<sup>\</sup>ensuremath{\text{1/\,The}}$  former EU-25 plus Romania and Bulgaria who acceded in January 2007.

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

# **Reliability Tables**

Table 6--Reliability of quarterly U.S. export projections, by commodity and quarter

| Table 6Reliability of quarterly U |                  |     | forecast of 2009 |     |                  |                  | Foreca      | ast accura<br>2009 | асу |                  | Forecast accuracy |
|-----------------------------------|------------------|-----|------------------|-----|------------------|------------------|-------------|--------------------|-----|------------------|-------------------|
| Commodity                         | Aug <sup>1</sup> | Nov | Feb              | May | Aug <sup>2</sup> | Aug <sup>1</sup> | Nov         | Feb                | May | Aug <sup>2</sup> |                   |
| Export value                      |                  | F   | ercent           |     |                  |                  | "X" if erro | r < 5%             |     |                  | Percent           |
| Grains and feeds                  | 22               | 8   | 1                | 3   | 0                | -                | -           | X                  | Χ   | Х                | 60                |
| Wheat                             | 37               | 28  | 23               | 7   | 7                | -                | -           | -                  | -   | -                | 0                 |
| Rice                              | 4                | 13  | 22               | 13  | 4                | X                | -           | -                  | -   | Х                | 40                |
| Coarse grains                     | 37               | 9   | 8                | 4   | 0                | -                | -           | -                  | Χ   | Х                | 40                |
| Corn                              | 38               | 8   | 8                | 4   | 0                | -                | -           | -                  | Χ   | Х                | 40                |
| Feeds and fodders                 | 7                | 2   | 7                | 9   | 7                | -                | Χ           | -                  | -   | -                | 20                |
| Oilseeds and products             | 10               | 13  | 12               | 5   | 0                | -                | -           | -                  | Χ   | Х                | 40                |
| Soybeans                          | 8                | 14  | 13               | 6   | 1                | -                | -           | -                  | -   | Х                | 20                |
| Soybean meal                      | 10               | 13  | 13               | 7   | 0                | -                | -           | -                  | -   | Х                | 20                |
| Soybean oil                       | 56               | 11  | 44               | 11  | 0                | -                | -           | -                  | -   | Х                | 20                |
| Livestock, poultry, and dairy     | 19               | 9   | 1                | 2   | 0                | -                | -           | Χ                  | Χ   | Х                | 60                |
| Livestock products                | 21               | 10  | 2                | 2   | 2                | -                | -           | Χ                  | Χ   | Х                | 60                |
| Beef and veal                     | 4                | 4   | 4                | 4   | 4                | Χ                | Χ           | Χ                  | Χ   | Х                | 100               |
| Pork                              | 24               | 8   | 8                | 5   | 3                | -                | -           | -                  | -   | Х                | 20                |
| Beef and pork variety meats       | 9                | 9   | 9                | 9   | 18               | -                | -           | -                  | -   | -                | 0                 |
| Hides, skins, and furs            | 47               | 33  | 27               | 13  | 7                | -                | -           | -                  | -   | -                | 0                 |
| Poultry and products              | 4                | 10  | 12               | 6   | 4                | X                | -           | -                  | -   | Х                | 40                |
| Broiler meat                      | 6                | 15  | 15               | 9   | 6                | -                | -           | -                  | -   | -                | 0                 |
| Dairy products                    | 57               | 35  | 17               | 0   | 0                | -                | -           | -                  | X   | Х                | 40                |
| Tobacco, unmanufactured           | 17               | 17  | 0                | 17  | 0                | -                | -           | Χ                  | -   | Х                | 40                |
| Cotton                            | 64               | 11  | 0                | 6   | 3                | -                | -           | X                  | -   | Х                | 40                |
| Seeds                             | 8                | 8   | 23               | 8   | 0                | -                | -           | -                  | -   | Х                | 20                |
| Horticultural products            | 10               | 4   | 4                | 4   | 2                | -                | X           | Χ                  | X   | Х                | 80                |
| Fruits and vegetables, fresh      | 11               | 11  | 6                | 6   | 2                | -                | -           | -                  | -   | Х                | 20                |
| Fruits & veget., processed        | 9                | 4   | 6                | 6   | 2                | -                | X           | -                  | -   | Х                | 40                |
| Tree nuts, whole/processed        | 9                | 3   | 3                | 3   | 3                | -                | Χ           | Χ                  | Χ   | Х                | 80                |
| Sugar and tropical products       | 8                | 3   | 3                | 3   | 3                | -                | Χ           | Χ                  | Χ   | Х                | 80                |
| Major bulk products               | 26               | 2   | 5                | 2   | 1                | -                | X           | Χ                  | X   | Х                | 80                |
| Total agricultural exports        | 17               | 2   | 1                | 1   | 1                | -                | Χ           | X                  | Χ   | Х                | 80                |
| Average error and accuracy        | 21               | 11  | 10               | 6   | 3                | 10%              | 28%         | 38%                | 45% | 83%              | 41                |
| Export volume                     |                  |     |                  |     |                  |                  |             |                    |     |                  |                   |
| Wheat                             | 17               | 17  | 17               | 9   | 7                | -                | -           | -                  | -   | -                | 0                 |
| Rice                              | 21               | 15  | 6                | 3   | 3                | -                | -           | -                  | X   | Х                | 40                |
| Coarse grains                     | 4                | 0   | 5                | 7   | 2                | Х                | X           | -                  | -   | Х                | 60                |
| Corn                              | 5                | 1   | 6                | 7   | 2                | Χ                | X           | -                  | -   | Х                | 60                |
| Feeds and fodders                 | 5                | 6   | 5                | 7   | 7                | -                | -           | -                  | -   | -                | 0                 |
| Soybeans                          | 23               | 21  | 11               | 4   | 2                | -                | -           | -                  | X   | Х                | 40                |
| Soybean meal                      | 4                | 1   | 1                | 1   | 5                | Х                | X           | X                  | X   | -                | 80                |
| Soybean oil                       | 20               | 0   | 30               | 10  | 0                | -                | X           | -                  | -   | Х                | 40                |
| Beef and veal                     | 0                | 0   | 0                | 0   | 0                | X                | X           | X                  | X   | Х                | 100               |
| Pork                              | 29               | 7   | 7                | 0   | 0                | -                | -           | -                  | X   | Х                | 40                |
| Beef and pork variety meats       | 0                | 0   | 0                | 0   | 29               | X                | Χ           | X                  | X   | -                | 80                |
| Broiler meat                      | 10               | 10  | 10               | 3   | 3                | -                | -           | -                  | X   | Х                | 40                |
| Tobacco, unmanufactured           | 0                | 0   | 0                | 0   | 0                | X                | X           | X                  | X   | Х                | 100               |
| Cotton                            | 22               | 4   | 7                | 0   | 4                | -                | X           | -                  | X   | Х                | 60                |
| Major bulk products               | 0                | 3   | 2                | 2   | 0                | X                | X           | X                  | X   | Х                | 100               |
| Average error and accuracy        | 11               | 6   | 7                | 4   | 4                | 47%              | 60%         | 33%                | 67% | 73%              | 56                |

<sup>&</sup>lt;sup>1</sup> Forecast made for following fiscal year, with 15 months out. <sup>2</sup> Forecast made for current fiscal year, with 3 months remaining in current fiscal year. -= Error exceeds 5 percent.

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

| Table 7Iteriability of quarterly of | .o. export pro   | Average | forecast 6 |     |                  |                  |                   | ast accura<br>2009 | асу |                  | Forecast accuracy |
|-------------------------------------|------------------|---------|------------|-----|------------------|------------------|-------------------|--------------------|-----|------------------|-------------------|
| Country/region                      | Aug <sup>1</sup> | Nov     | Feb        | May | Aug <sup>2</sup> | Aug <sup>1</sup> | Nov               | Feb                | May | Aug <sup>2</sup> |                   |
| Export value                        |                  | F       | Percent    |     |                  |                  | "X" if error ≤ 5% |                    |     |                  | Percent           |
| Asia                                | 13               | 2       | 9          | 7   | 1                | _                | X                 | -                  | -   | Х                | 40                |
| East Asia                           | 16               | 0       | 8          | 6   | 2                | _                | Χ                 | _                  | -   | Х                | 40                |
| Japan                               | 13               | 3       | 6          | 6   | 5                | -                | Χ                 | -                  | -   | -                | 20                |
| China                               | 11               | 7       | 15         | 7   | 2                | -                | -                 | -                  | -   | Х                | 20                |
| Hong Kong                           | 11               | 17      | 11         | 11  | 6                | -                | -                 | -                  | -   | -                | 0                 |
| Taiwan                              | 28               | 7       | 3          | 3   | 7                | _                | -                 | Х                  | Х   | -                | 40                |
| South Korea                         | 37               | 18      | 5          | 5   | 3                | -                | -                 | _                  | -   | Х                | 20                |
| Southeast Asia                      | 2                | 11      | 14         | 14  | 2                | Х                | -                 | _                  | _   | х                | 40                |
| Indonesia                           | 24               | 12      | 12         | 12  | 6                | -                | -                 | _                  | _   | -                | 0                 |
| Philippines                         | 33               | 17      | 8          | 8   | 8                | _                | -                 | _                  | _   | -                | 0                 |
| Malaysia                            | 0                | 0       | 33         | 33  | 17               | Х                | Χ                 | _                  | _   | -                | 40                |
| Thailand                            | 22               | 22      | 11         | 11  | 0                | -                | -                 | _                  | _   | Х                | 20                |
| South Asia                          | 8                | 8       | 8          | 8   | 8                | _                | -                 | _                  | _   | -                | 0                 |
| Western Hemisphere                  | 17               | 2       | 4          | 3   | 2                | _                | Χ                 | Х                  | Х   | Х                | 80                |
| North America                       | 20               | 5       | 6          | 5   | 3                | _                | X                 | -                  | -   | X                | 40                |
| Canada                              | 15               | 6       | 2          | 1   | 1                | _                | -                 | Х                  | Х   | X                | 60                |
| Mexico                              | 27               | 4       | 10         | 9   | 5                | _                | Х                 | -                  | -   | -                | 20                |
| Caribbean                           | 6                | 19      | 6          | 6   | 3                | _                | -                 | _                  | _   | х                | 20                |
| Central America                     | 0                | 7       | 4          | 4   | 4                | Х                | -                 | Х                  | Х   | X                | 80                |
| South America                       | 20               | 6       | 0          | 0   | 6                | -                | _                 | X                  | X   | -                | 40                |
| Brazil                              | 50               | 25      | 25         | 25  | 0                | _                | _                 | -                  | -   | х                | 20                |
| Colombia                            | 50               | 30      | 0          | 10  | 10               | _                | -                 | Х                  | -   | -                | 20                |
| Venezuela                           | 18               | 9       | 0          | 0   | 9                | _                | _                 | X                  | Х   | -                | 40                |
| Europe and Eurasia                  | 26               | 7       | 13         | 12  | 5                | _                | _                 | -                  | -   | -                | 0                 |
| European Union-27                   | 32               | 11      | 20         | 17  | 4                | _                | _                 | _                  | _   | х                | 20                |
| Other Europe                        | 0                | 33      | 33         | 17  | 17               | Х                | _                 | _                  | -   | -                | 20                |
| FSU-12                              | 6                | 0       | 6          | 6   | 11               | -                | Х                 | _                  | -   | -                | 20                |
| Russia                              | 7                | 7       | 14         | 14  | 7                | _                | -                 | _                  | _   | _                | 0                 |
| Middle East                         | 12               | 2       | 2          | 4   | 2                | _                | Х                 | Х                  | Х   | х                | 80                |
| Turkey                              | 36               | 7       | 7          | 7   | 7                | _                | -                 | -                  | -   | -                | 0                 |
| Saudi Arabia                        | 29               | 14      | 14         | 14  | 0                | _                | _                 | _                  | _   | Х                | 20                |
| Africa                              | 44               | 26      | 5          | 5   | 2                | _                | _                 | Х                  | Х   | X                | 60                |
| North Africa                        | 95               | 57      | 5          | 5   | 10               | _                | _                 | X                  | X   | -                | 40                |
| Egypt                               | 57               | 36      | 36         | 36  | 0                | _                | _                 | -                  | -   | х                | 20                |
| Sub-Sahara                          | 5                | 18      | 18         | 14  | 9                | Х                | _                 | _                  | -   | [-]              | 20                |
| Oceania                             | 8                | 17      | 8          | 0   | 0                | -                | _                 | _                  | Х   | х                | 40                |
| Transshipments via Canada           | 50               | 50      | 50         | 50  | 0                | =                | _                 | _                  | -   | X                | 20                |
| Average error and accuracy          | 23               | 14      | 12         | 11  | 5                | 14%              | 24%               | 27%                | 27% | 51%              | 29                |

<sup>&</sup>lt;sup>1</sup> Forecast made for following fiscal year, with 15 months out. <sup>2</sup> Forecast made for current fiscal year, with 3 months remaining in current fiscal year. -= Error exceeds 5 percent.

Table 8--Reliability of quarterly U.S. import projections, by commodity and quarter

| Table 6Reliability of quarterly 0. |                  | Average | •      |         |                  |                  |        | ast accura<br>2009 | асу    |                  | Forecast <sup>2</sup> accuracy |
|------------------------------------|------------------|---------|--------|---------|------------------|------------------|--------|--------------------|--------|------------------|--------------------------------|
| Commodity                          | Aug <sup>1</sup> | Nov     | Feb    | May     | Aug <sup>2</sup> | Aug <sup>1</sup> | Nov    | Feb                | May    | Aug <sup>2</sup> |                                |
| Import value                       |                  | P       | ercent |         |                  |                  | "X" if | error ≤ 59         | %      |                  | Percent                        |
| Livestock, dairy, and poultry      | 16               | 12      | 6      | 7       | 7                | -                | -      | -                  | -      | -                | 0                              |
| Livestock and meats                | 16               | 11      | 5      | 5       | 5                | -                | -      | -                  | -      | -                | 0                              |
| Cattle and calves                  | 36               | 7       | 0      | 7       | 0                | -                | -      | X                  | -      | Х                | 40                             |
| Swine                              | 67               | 67      | 33     | 33      | 33               | -                | -      | -                  | -      | -                | 0                              |
| Beef and veal                      | 7                | 3       | 7      | 10      | 7                | -                | X      | -                  | -      | -                | 20                             |
| Pork                               | 10               | 10      | 0      | 0       | 0                | -                | -      | Х                  | Χ      | Х                | 60                             |
| Dairy products                     | 15               | 11      | 7      | 11      | 11               | -                | -      | -                  | -      | -                | 0                              |
| Grains and feed                    | 12               | 8       | 15     | 14      | 3                | -                | _      | -                  | -      | Х                | 20                             |
| Grain products                     | 7                | 2       | 7      | 7       | 2                | _                | Х      | -                  | -      | Х                | 40                             |
| Oilseeds and products              | 30               | 6       | 44     | 31      | 9                | _                | _      | -                  | -      | _                | 0                              |
| Vegetable oils                     | 30               | 8       | 49     | 35      | 11               | _                | _      | -                  | -      | _                | 0                              |
| Horticulture products              | 10               | 9       | 7      | 5       | 1                | _                | _      | -                  | _      | Х                | 20                             |
| Fruitsfresh                        | 8                | 8       | 0      | 0       | 0                | _                | _      | Х                  | Χ      | X                | 60                             |
| Fruitsprocessed                    | 32               | 29      | 15     | 9       | o                | _                | _      | -                  | -      | X                | 20                             |
| Fruit juices                       | 50               | 43      | 29     | 14      | ő                | _                | _      | _                  | _      | X                | 20                             |
| Nutswhole and processed            | 25               | 17      | 0      | 8       | 8                | _                | _      | Х                  | _      |                  | 20                             |
| Vegetablesfresh                    | 10               | 7       | 7      | 2       | 0                | _                | _      | _                  | Х      | Х                | 40                             |
| Vegetablesprocessed                | 6                | 6       | 6      | 6       | 0                | _                | _      | _                  | _      | X                | 20                             |
| Wine                               | 22               | 17      | 7      | 7       | 2                |                  | _      | _                  | _      | X                | 20                             |
| Malt beer                          | 9                | 6       | 6      | 6       | 3                | =                | =      | _                  | _      | X                | 20                             |
| Essence oils                       | 21               | 17      | 13     | 8       | 0                | -                | -      | -                  | _      | X                | 20                             |
| Cut flowers & nursery stock        | 14               | 7       | 0      | 0       | 7                | -                | -      | X                  | X      | ^                | 40                             |
|                                    | 12               | 14      | 17     | 15      | 7                | =                | -      | _                  | ^      | -                | 0                              |
| Sugar and tropical products        | 17               | 17      | 17     | 33      | 25               | -                | -      | -                  | -      | -                | 0                              |
| Cane and beet sugar                |                  | 17      |        |         | 0                | -                | -      |                    | -      |                  | _                              |
| Confections                        | 17               |         | 0      | 8       | -                | -                | -<br>V | X                  | -<br>V | X                | 40<br>60                       |
| Cocoa and chocolate                | 6                | 3       | 6      | 3       | 3                | -                | Х      |                    | X      | X                |                                |
| Coffee beans and products          | 17               | 17      | 10     | 5<br>75 | 2<br>25          | -                | -      | -                  | X      | Х                | 40                             |
| Rubbernatural                      | 69               | 69      | 75     |         |                  | -                | -      | -                  | -      | -<br>V           | 0                              |
| Other imports                      | 6                | 6       | 6      | 6       | 0                | -                | -      | -                  | -      | X                | 20                             |
| Total agricultural imports         | 13               | 10      | 12     | 10      | 4                | -                | 4.00/  | 400/               | 400/   | X                | 20                             |
| Average error and accuracy         | 20               | 15      | 13     | 13      | 6                | 0%               | 10%    | 19%                | 19%    | 58%              | 21                             |
| Import volume                      | _                |         |        |         |                  | .,               |        |                    |        |                  |                                |
| Wine (HL)                          | 0                | 11      | 0      | 0       | 11               | Х                | -      | X                  | X      | -                | 60                             |
| Malt beer (HL)                     | 13               | 10      | 3      | 3       | 3                | -                | -      | Х                  | Х      | Х                | 60                             |
| Fruit juices (HL)                  | 2                | 14      | 7      | 9       | 7                | X                | -      | -                  | -      | -                | 20                             |
| Cattle and calves                  | 25               | 0       | 0      | 0       | 0                | -                | X      | Х                  | Х      | Х                | 80                             |
| Swine                              | 11               | 6       | 7      | 3       | 0                | -                | -      | -                  | Χ      | Х                | 40                             |
| Beef and veal                      | 0                | 11      | 0      | 0       | 0                | Х                | -      | Х                  | X      | Х                | 80                             |
| Fruitsfresh                        | 6                | 2       | 4      | 4       | 4                | -                | Χ      | X                  | Χ      | Х                | 80                             |
| Fruitsprocessed                    | 14               | 7       | 0      | 0       | 0                | -                | -      | Х                  | Χ      | Х                | 60                             |
| Vegetablesfresh                    | 2                | 4       | 2      | 2       | 0                | X                | X      | Х                  | Χ      | Х                | 100                            |
| Vegetablesprocessed                | 10               | 3       | 3      | 3       | 0                | -                | X      | X                  | Χ      | Х                | 80                             |
| Vegetable oils                     | 6                | 0       | 12     | 9       | 0                | -                | X      | -                  | -      | Х                | 40                             |
| Cocoa and chocolate                | 9                | 0       | 9      | 0       | 0                | -                | X      | -                  | Χ      | Х                | 60                             |
| Coffee beans                       | 15               | 8       | 8      | 8       | 8                | -                | -      | -                  | -      | -                | 0                              |
| Rubbernatural                      | 43               | 43      | 43     | 43      | 29               | -                | -      | -                  | -      | -                | 0                              |
| Average error and accuracy         | 11               | 8       | 8      | 7       | 6                | 33%              | 47%    | 53%                | 67%    | 67%              | 53                             |

<sup>&</sup>lt;sup>1</sup> Forecast made for following fiscal year, with 15 months out. <sup>2</sup> Forecast made for current fiscal year, with 3 months remaining in current fiscal year. -= Error exceeds 5 percent.

Table 9--Reliability of quarterly U.S. import projections, by country and quarter

| Table 9 Nellability of quarterly 0.0 | s. import pro    | Average |          |          |                  |                  |           | ast accura<br>2009 | асу |                  | Forecast  |
|--------------------------------------|------------------|---------|----------|----------|------------------|------------------|-----------|--------------------|-----|------------------|-----------|
| Country/region                       | Aug <sup>1</sup> | Nov     | Feb      | May      | Aug <sup>2</sup> | Aug <sup>1</sup> | Nov       | Feb                | May | Aug <sup>2</sup> | accuracy  |
|                                      |                  | _       | . ,      |          |                  |                  | 10.711.15 | . 50               | .,  |                  | 5 (       |
| Import value                         | 0                |         | Percent  | 0        | _                |                  | "X" If    | error ≤ 59         |     | V                | Percent   |
| Western Hemisphere                   | 9                | 7       | 9        | 8        | 2                | -                | -         | -                  | -   | X                | 20        |
| Canada                               | 23<br>2          | 21<br>3 | 18<br>1  | 15<br>0  | 0                | X                | X         | X                  | X   | X<br>X           | 20<br>100 |
| Mexico<br>Central America            | 9                | ა<br>6  | 1<br>12  | 12       | 3                | ^                | ^         | ^                  | ^   | x                | 20        |
| Costa Rica                           | 18               | 9       | 9        | 9        | 9                | -                | -         | -                  | -   | ^                | 0         |
| Guatemala                            | 0                | 0       | 15       | 15       | 8                | X                | X         | -                  | -   | - 1              | 40        |
| Other Central America                | 33               | 22      | 15<br>22 | 15<br>22 | 0                | ^                | ^         | -                  | -   | X                | 20        |
| Caribbean                            | 20               | 20      | 0        | 0        | 0                | _                | -         | X                  | X   | x                | 60        |
| South America                        | 1                | 20      | 7        | 6        | 2                | X                | X         | ^                  | ^   | x                | 60        |
|                                      |                  | 0       | 17       | 17       | 17               | ^                | X         | -                  | -   | ^                | 20        |
| Argentina<br>Brazil                  | 8                | 4       | 4        | 4        | 4                | _                | X         | X                  | X   | X                | 80        |
| Chile                                | o<br>5           | 10      | 14       | 5        | 0                | X                | ^         | _                  | X   | x                | 60        |
| Colombia                             | 0                | 0       | 6        | 6        | 0                | X                | X         | -                  | ^   | x                | 60        |
| Other South America                  | 50               | 10      | 5        | 0        | 0                | ^                | ^         | X                  | X   | x                | 60        |
| Europe and Eurasia                   | 21               | 17      | 9        | 6        | 2                | -                | -         | ^                  | ^   | x                | 20        |
| Europe and Eurasia European Union-27 | 23               | 18      | 7        | 4        | 1                | -                | -         | -                  | X   | x                | 40        |
| Other Europe                         | 13               | 0       | 50       | 38       | 25               | -                | X         | -                  | _   | ^                | 20        |
| Asia                                 | 23               | 21      | 32       | 27       | 11               | -                | ^         | -                  | -   | -                | 0         |
| East Asia                            | 18               | 23      | 18       | 10       | 5                | _                | _         | _                  | _   |                  | 0         |
| China                                | 24               | 28      | 21       | 10       | 3                |                  | _         | _                  | _   | X                | 20        |
| Other East Asia                      | 10               | 10      | 10       | 10       | 10               |                  | _         | _                  |     | ^                | 0         |
| Southeast Asia                       | 26               | 21      | 41       | 36       | 14               |                  | _         | _                  |     | _                | 0         |
| Indonesia                            | 35               | 35      | 55       | 50       | 20               |                  | _         | _                  |     | _                | 0         |
| Malaysia                             |                  | 7       | 53       | 40       | 13               | _                | _         | _                  |     | _                | 0         |
| Thailand                             | 19               | 19      | 31       | 31       | 13               | _                | _         | _                  |     | _                | 0         |
| Other Southeast Asia                 |                  | 13      | 13       | 13       | 0                | _                | _         | _                  | _   | х                | 20        |
| South Asia                           | 20               | 13      | 27       | 27       | 13               | _                | _         | _                  | _   |                  | 0         |
| India                                | 23               | 15      | 31       | 31       | 15               | _                | _         | _                  | _   | _                | 0         |
| Oceania                              | 5                | 2       | 7        | 7        | 5                | Х                | Х         | _                  | _   | х                | 60        |
| Australia                            | 8                | 4       | 0        | 4        | 4                | _                | X         | Х                  | Х   | X                | 80        |
| New Zealand                          | 6                | 6       | 6        | 17       | 6                | _                | _         | -                  | -   |                  | 0         |
| Africa                               | 6                | 6       | 0        | 0        | 0                | _                | _         | X                  | Х   | х                | 60        |
| Sub-Sahara                           | 0                | 0       | 0        | 0        | 0                | Х                | Х         | X                  | X   | X                | 100       |
| Ivory Coast                          | 0                | 0       | 17       | 0        | 0                | X                | X         | -                  | X   | X                | 80        |
| Middle East                          | 0                | 0       | 0        | 0        | 0                | X                | X         | X                  | X   | X                | 100       |
| Turkey                               | 0                | 0       | 0        | 0        | 0                | X                | X         | X                  | X   | X                | 100       |
| Average error and accuracy           | 14               | 10      | 16       | 13       | 6                | 28%              | 36%       | 25%                | 33% | 61%              | 37        |

<sup>&</sup>lt;sup>1</sup> Forecast made for following fiscal year, with 15 months out. <sup>2</sup> Forecast made for current fiscal year, with 3 months remaining in current fiscal year. -= Error exceeds 5 percent. ---= No previous forecast.



# Sustainable Agriculture: The Key to Health & Prosperity

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Crystal Gateway Marriott Hotel Arlington, Virginia

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