

Tree Nuts:

World Markets and Trade

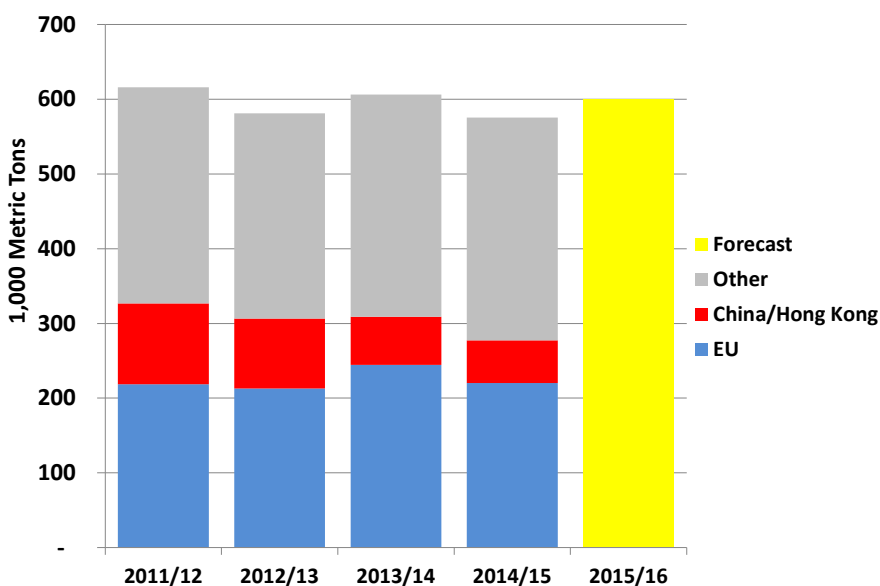
Almonds

Global almond production for 2015/16 is forecast 2 percent lower to 1.0 million metric tons (tons) shelled basis as losses in the United States more than offset gains in the European Union (EU) and Australia. With world consumption rebounding, ending stocks in the United States are expected to be drawn sharply lower. Global exports, which comprise two-thirds of production, are forecast to rise 5 percent.

U.S. production is forecast to decrease 4 percent to 816,000 tons as lower yields more than offset an increase in bearing area for a second-consecutive year. The bloom began in early February and was one of the earliest blooms in memory. In several instances, the lower two-thirds of trees blossomed two weeks ahead of the top, possibly indicating insufficient chilling hours. High temperatures in late June raised the already high grower concerns regarding water stress. Some growers observed reduced production from their wells as water levels have declined. In areas where ground

water is the primary source of water, some salt damage, tree wilting, and defoliation has been seen. Exports account for nearly 75 percent of output and are forecast to rise nearly 5 percent to 600,000 tons largely on additional shipments to China and India. Ending stocks are expected to drop by one-third to 115,000 tons as inventories are drawn down to satisfy demand.

U.S. Almond Exports Forecast to Rebound



Australia's production is forecast to rise nearly 10 percent to 82,000 tons primarily due to increased area. Also, modest orchard expansion is expected to continue over the next several years. Whereas the availability of suitable deep loam soils close to the Murray River facilitated rapid growth over the last decade, the availability of land near the river unencumbered by salinity regulations has been a limiting factor in the development of new orchards. A majority of production occurs in the Riverina region of New South Wales, the Swan Hill and Sunraysia regions of Victoria, and the Riverland and Adelaide regions of South Australia. Exports are forecast up just 2 percent to 62,000 tons on strong sales to China and India.

EU production is forecast to increase 7 percent to 85,000 tons on higher output in Spain and Italy. Larger available supplies are expected to temper import demand, which is forecast nearly unchanged at 240,000

tons. Consumption remains steady on strong demand from the food ingredient, snack food, and confectionary industries.

India's imports are forecast to gain 11 percent and reach 70,000 tons on continued strong demand from middle class consumers.

China's imports are forecast to rebound 35 percent to 65,000 tons on renewed demand from food manufacturers as well as the snack food sector.

Revised 2014/15

World production is revised up 17,000 tons to 1.0 million.

- Australia is revised 5,000 tons higher to 75,000 due to increased yield.
- Chile is raised 5,000 tons to 11,000 on higher yields.

World imports are revised 56,000 tons higher to 611,000.

- EU is raised 22,000 tons to 242,000 on higher-than-anticipated demand.
- India is revised up 13,000 tons to 63,000 due to robust late-season demand.
- The United Arab Emirates is increased 11,000 tons to 61,000 due to strong late-season demand.

World exports are revised 74,000 tons higher to 666,000.

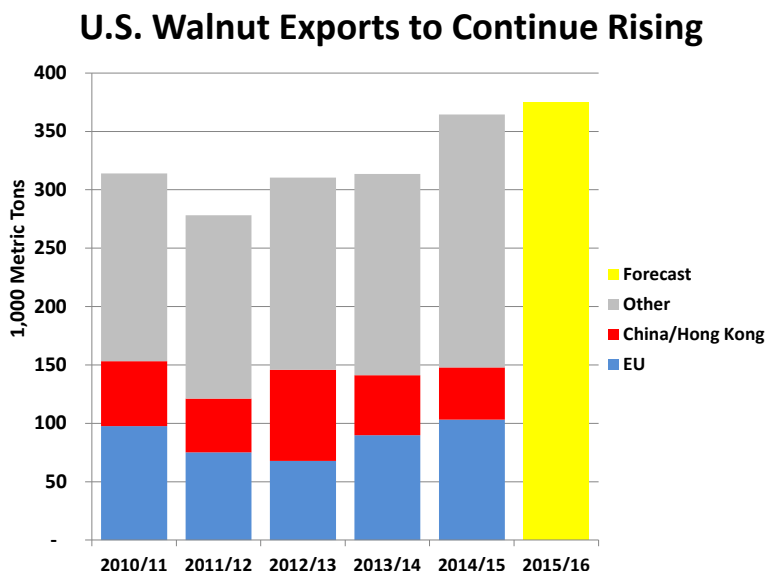
- United States is raised 51,000 tons to 576,000 due to strong shipments in the second half of the marketing year. The pace of exports in the first half was low in part due to work slowdowns and stoppages at ports along the West Coast earlier this year.
- Australia is revised 16,000 tons higher to 61,000 due to increased exportable supplies.

Walnuts

Record **global** walnut production and trade are forecast. Production continues to expand to 1.9 million tons in-shell basis, with China and the United States accounting for nearly 80 percent of total output. World exports, dominated by the United States, are expected to rise 5 percent to 593,000 tons.

China's production is forecast up 11 percent to 1.0 million tons on continued increase in area. With exports forecast at just 1.5 percent of output, the remainder will be consumed domestically. Imports are forecast to rebound nearly 15 percent to 80,000 tons on higher demand from the food ingredient and snack food industries.

U.S. production is forecast to increase marginally to a record 522,000 tons despite a lack of chilling hours and a drought that continued to impact California. However, relatively mild summer temperatures benefitted the crop. Growers used surface water where available and groundwater when necessary to provide adequate water supply to the trees. Exports account for over 70 percent of output and are forecast 3 percent higher to a record 375,000 tons primarily on gains to China and the EU.



EU production is forecast up 5 percent to 117,000 tons mostly on higher yields in France. Imports are expected to increase 2 percent to a record 190,000 tons on continued demand in Germany, Italy and Spain. Demand is driven by snack foods and cooking ingredients on the retail side and pastries on the industrial side.

Chile's production is forecast to rise 11 percent to 60,000 tons largely due to continued area expansion. With the vast majority of output destined for overseas markets, exports are expected to rise in similar fashion, driven by higher shipments to the EU.

Ukraine's production is forecast to slip 1 percent to 102,000 tons. Exports are forecast to fall nearly 10 percent to 56,000 tons on lower shipments to China and the EU.

Revised 2014/15

World production is revised up 50,000 tons to 1.8 million.

- Ukraine is revised 18,000 tons higher to 103,000 due to increased area and yield.
- Moldova's output of 32,000 tons is now included in this report.
- Chile is reduced 11,000 tons to 54,000 on lower yield.

World exports are revised up 68,000 tons to 565,000 tons.

- United States is raised 44,000 tons to 364,000 due to strong shipments in the second half of the marketing year. The pace of exports in the first half was low in part due to work slowdowns and stoppages at ports along the West Coast earlier this year.
- Moldova's exports of 37,000 tons are now included in this report.

To download additional data tables, go to Production, Supply and Distribution Database (PSD Online): (<http://apps.fas.usda.gov/psdonline/psdHome.aspx>), scroll down to Reports, and Click the plus sign [+] next to Tree Nuts

FAS Reports and Databases:

Current *World Markets and Trade* Reports:

<http://apps.fas.usda.gov/psdonline/psdDataPublications.aspx>

Archives *World Markets and Trade* Reports:

<http://usda.mannlib.cornell.edu/MannUsda/viewTaxonomy.do?taxonomyID=7>

Production, Supply and Distribution Database (PSD Online):

<http://apps.fas.usda.gov/psdonline/psdHome.aspx>

Global Agricultural Information Network (Agricultural Attaché Reports):

<http://gain.fas.usda.gov/Pages/Default.aspx>

Global Agricultural Trade System (U.S. Exports and Imports):

<http://apps.fas.usda.gov/gats/default.aspx>

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Almond Summary
Metric Tons, Shelled Basis

| | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 | Oct 2015/16 |
|-----------------------------|---------|-----------|-----------|-----------|-----------|----------------|
| Production | | | | | | |
| United States | 743,891 | 920,793 | 857,290 | 911,720 | 848,220 | 816,470 |
| European Union | 93,000 | 83,100 | 83,000 | 58,800 | 79,700 | 85,000 |
| Australia | 37,600 | 49,600 | 73,400 | 65,100 | 75,000 | 82,000 |
| Turkey | 14,000 | 16,000 | 17,000 | 18,000 | 13,000 | 14,000 |
| Chile | 9,000 | 9,100 | 8,300 | 3,900 | 11,000 | 12,000 |
| Other | 3,700 | 5,100 | 6,200 | 8,100 | 10,700 | 11,100 |
| Total | 901,191 | 1,083,693 | 1,045,190 | 1,065,620 | 1,037,620 | 1,020,570 |
| Domestic Consumption | | | | | | |
| European Union | 305,800 | 300,100 | 299,300 | 323,800 | 308,300 | 310,000 |
| United States | 239,156 | 275,201 | 302,234 | 305,624 | 275,059 | 290,000 |
| India | 54,200 | 47,100 | 60,700 | 53,400 | 61,500 | 80,200 |
| China | 48,200 | 96,700 | 93,100 | 67,700 | 57,800 | 75,000 |
| United Arab Emirates | 42,600 | 55,300 | 43,600 | 54,900 | 61,300 | 65,000 |
| Japan | 25,500 | 27,400 | 28,800 | 36,200 | 38,000 | 40,000 |
| Canada | 27,600 | 28,400 | 31,200 | 33,700 | 35,000 | 36,000 |
| Turkey | 27,600 | 36,600 | 29,300 | 33,200 | 30,800 | 29,000 |
| Korea, South | 14,200 | 20,300 | 21,300 | 25,800 | 25,900 | 27,000 |
| Australia | 16,300 | 23,400 | 24,700 | 20,800 | 21,000 | 23,000 |
| Other | 73,700 | 70,700 | 80,600 | 71,600 | 56,800 | 59,500 |
| Total | 874,856 | 981,201 | 1,014,834 | 1,026,724 | 971,459 | 1,034,700 |
| Ending Stocks | | | | | | |
| United States | 115,194 | 152,044 | 143,891 | 159,013 | 170,829 | 115,299 |
| India | 13,100 | 23,900 | 23,800 | 26,800 | 29,800 | 20,700 |
| European Union | 30,000 | 30,000 | 30,000 | 20,000 | 20,000 | 20,000 |
| Australia | 1,000 | 1,000 | 8,700 | 7,600 | 4,200 | 5,200 |
| Chile | 400 | 800 | 500 | 500 | 500 | 500 |
| Other | 300 | 300 | 500 | 500 | 500 | 500 |
| Total | 159,994 | 208,044 | 207,391 | 214,413 | 225,829 | 162,199 |
| Exports | | | | | | |
| United States | 538,937 | 615,966 | 581,101 | 606,364 | 575,541 | 600,000 |
| Australia | 23,300 | 29,000 | 44,300 | 49,600 | 61,000 | 62,000 |
| European Union | 11,900 | 12,200 | 10,100 | 10,800 | 13,700 | 15,000 |
| Chile | 9,100 | 8,300 | 7,300 | 4,000 | 10,600 | 11,000 |
| Turkey | 5,400 | 7,400 | 7,800 | 8,300 | 4,800 | 8,000 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 588,637 | 672,866 | 650,601 | 679,064 | 665,641 | 696,000 |
| Imports | | | | | | |
| European Union | 224,700 | 229,200 | 226,400 | 265,800 | 242,300 | 240,000 |
| India | 54,100 | 56,800 | 59,400 | 55,300 | 63,300 | 70,000 |
| China | 45,700 | 92,700 | 88,100 | 60,700 | 48,300 | 65,000 |
| United Arab Emirates | 42,600 | 55,300 | 43,600 | 54,900 | 61,300 | 65,000 |
| Japan | 25,500 | 27,400 | 28,800 | 36,200 | 38,000 | 40,000 |
| Canada | 27,600 | 28,400 | 31,200 | 33,700 | 35,000 | 36,000 |
| Korea, South | 14,200 | 20,300 | 21,300 | 25,800 | 25,900 | 27,000 |
| Turkey | 17,000 | 28,000 | 20,300 | 23,500 | 22,600 | 23,000 |
| Hong Kong | 20,300 | 11,700 | 12,900 | 15,200 | 17,400 | 19,000 |
| United States | 3,677 | 7,224 | 17,892 | 15,390 | 14,196 | 18,000 |
| Mexico | 7,900 | 7,500 | 10,000 | 9,400 | 11,700 | 11,000 |
| Switzerland | 4,300 | 5,000 | 4,800 | 5,800 | 5,200 | 6,000 |
| Russia | 15,900 | 19,000 | 21,200 | 17,800 | 4,300 | 5,000 |
| Taiwan | 10,800 | 10,800 | 14,000 | 8,300 | 5,200 | 4,500 |
| Australia | 2,000 | 2,800 | 3,300 | 4,200 | 3,600 | 4,000 |
| Other | 14,200 | 16,300 | 16,400 | 15,200 | 12,600 | 13,000 |
| Total | 530,477 | 618,424 | 619,592 | 647,190 | 610,896 | 646,500 |

Marketing year begins in August of the first year of the split year for the United States and other Northern Hemisphere countries.
Southern hemisphere countries are on a calendar year basis indicated as the second year of the split year.

Walnut Summary
Metric Tons, In-shell Basis

| | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 | Oct 2015/16 |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|----------------|
| Production | | | | | | |
| China | 580,000 | 700,000 | 720,000 | 780,000 | 900,000 | 1,000,000 |
| United States | 457,221 | 418,212 | 450,871 | 446,335 | 517,095 | 521,631 |
| European Union | 80,000 | 112,700 | 110,000 | 110,000 | 111,000 | 117,000 |
| Ukraine | 80,000 | 112,550 | 96,940 | 115,790 | 102,740 | 102,000 |
| Chile | 42,000 | 40,000 | 53,000 | 60,000 | 54,000 | 60,000 |
| Turkey | 85,000 | 80,000 | 85,000 | 75,000 | 40,000 | 60,000 |
| India | 30,000 | 40,000 | 36,000 | 43,000 | 35,000 | 38,000 |
| Other | 20,800 | 30,900 | 31,000 | 30,800 | 40,500 | 43,500 |
| Total | 1,375,021 | 1,534,362 | 1,582,811 | 1,660,925 | 1,800,335 | 1,942,131 |
| Domestic Consumption | | | | | | |
| China | 608,400 | 733,900 | 812,200 | 854,300 | 956,600 | 1,065,000 |
| European Union | 230,300 | 242,300 | 230,200 | 257,100 | 281,100 | 287,000 |
| United States | 145,029 | 138,890 | 154,266 | 154,922 | 170,059 | 181,631 |
| Turkey | 127,300 | 118,900 | 117,500 | 115,100 | 101,000 | 106,000 |
| Ukraine | 13,500 | 10,150 | 38,940 | 40,590 | 42,440 | 46,300 |
| India | 21,700 | 19,850 | 24,900 | 26,400 | 33,000 | 40,500 |
| Japan | 30,000 | 29,500 | 27,700 | 29,000 | 37,800 | 40,000 |
| Korea, South | 22,300 | 27,800 | 28,200 | 29,100 | 33,900 | 35,000 |
| Canada | 19,700 | 19,200 | 20,700 | 22,100 | 17,800 | 22,500 |
| Hong Kong | 15,500 | 6,000 | 23,600 | 15,500 | 10,300 | 15,000 |
| Other | 110,000 | 108,200 | 78,700 | 80,700 | 82,200 | 87,000 |
| Total | 1,343,729 | 1,454,690 | 1,556,906 | 1,624,812 | 1,766,199 | 1,925,931 |
| Ending Stocks | | | | | | |
| European Union | 35,000 | 35,000 | 40,000 | 40,000 | 40,000 | 40,000 |
| United States | 37,085 | 44,468 | 41,629 | 34,988 | 45,000 | 40,000 |
| India | 350 | 5,900 | 5,300 | 8,100 | 16,300 | 14,800 |
| Turkey | 3,000 | 5,000 | 5,000 | 5,000 | 4,000 | 6,000 |
| Ukraine | 0 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| Other | 1,400 | 1,100 | 1,200 | 900 | 500 | 1,000 |
| Total | 76,835 | 92,968 | 94,629 | 90,488 | 107,300 | 103,300 |
| Exports | | | | | | |
| United States | 313,997 | 278,132 | 310,329 | 313,471 | 364,404 | 375,000 |
| Chile | 38,700 | 38,800 | 50,500 | 57,400 | 51,700 | 57,000 |
| Ukraine | 66,500 | 100,900 | 58,000 | 75,200 | 60,300 | 55,700 |
| Moldova | 15,800 | 25,000 | 25,100 | 26,800 | 36,700 | 40,000 |
| European Union | 11,300 | 16,900 | 15,000 | 24,700 | 16,500 | 20,000 |
| China | 16,000 | 17,300 | 16,100 | 16,700 | 14,500 | 15,000 |
| India | 9,900 | 14,700 | 11,900 | 14,400 | 4,500 | 14,000 |
| Other | 10,500 | 16,800 | 16,400 | 16,800 | 16,700 | 16,000 |
| Total | 482,697 | 508,532 | 503,329 | 545,471 | 565,304 | 592,700 |
| Imports | | | | | | |
| European Union | 156,600 | 146,500 | 140,200 | 171,800 | 186,600 | 190,000 |
| China | 44,400 | 51,200 | 108,300 | 91,000 | 71,100 | 80,000 |
| Turkey | 48,300 | 52,500 | 42,100 | 52,100 | 68,000 | 60,000 |
| Japan | 30,000 | 29,500 | 27,700 | 29,000 | 37,800 | 40,000 |
| Korea, South | 22,300 | 27,800 | 28,200 | 29,100 | 33,900 | 35,000 |
| United States | 628 | 6,193 | 10,885 | 15,417 | 27,380 | 30,000 |
| Canada | 19,800 | 19,300 | 20,800 | 22,500 | 22,500 | 23,000 |
| Hong Kong | 15,500 | 6,000 | 23,600 | 15,500 | 10,300 | 15,000 |
| India | 100 | 100 | 200 | 600 | 10,700 | 15,000 |
| United Arab Emirates | 15,200 | 11,800 | 8,100 | 17,100 | 14,300 | 15,000 |
| Australia | 10,200 | 14,700 | 10,600 | 12,200 | 12,000 | 13,000 |
| Israel | 8,500 | 7,800 | 9,600 | 9,600 | 10,700 | 12,000 |
| Mexico | 10,600 | 10,500 | 7,400 | 6,300 | 9,600 | 10,000 |
| Taiwan | 6,500 | 6,000 | 7,300 | 6,400 | 8,200 | 9,000 |
| Brazil | 7,900 | 9,600 | 8,000 | 8,300 | 7,400 | 7,500 |
| Other | 44,800 | 45,500 | 26,100 | 18,300 | 17,500 | 18,000 |
| Total | 441,328 | 444,993 | 479,085 | 505,217 | 547,980 | 572,500 |

Marketing year begins in September of the first year of the split year for the United States and other Northern Hemisphere countries. Southern hemisphere countries are on a calendar year basis indicated as the second year of the split year.