

# World Agricultural Supply and Demand Estimates

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WASDE - 580

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**WHEAT:** The outlook for 2018/19 U.S. wheat this month is lower supplies, greater use, and reduced stocks. Wheat production is lowered 4 million bushels to 1,877 million on a slight reduction in winter wheat and durum production as indicated by the NASS August *Crop Production* report. Projected food use is increased by 5 million bushels to 970 million based on the latest NASS *Flour Milling Products* report. This would be record food use, surpassing 2017/18, which was also revised higher. Projected wheat exports are raised 50 million bushels to 1,025 million on substantially lower exportable supplies for the EU and limited additional export capacity of several other major competitors. Projected 2018/19 ending stocks are reduced 50 million bushels to 935 million, down 15 percent from last year. The projected season-average farm price is up \$0.10 per bushel at the midpoint with the range at \$4.60 to \$5.60.

World 2018/19 wheat supplies are reduced this month by 7.1 million tons, primarily on lower EU production. Continued drought conditions in several northern European countries, most notably Germany, resulted in lower production, down 7.5 million tons to 137.5 million. This would be the lowest EU wheat production since 2012/13. Russia's wheat production is increased 1.0 million tons to 68.0 million on continued favorable conditions for spring wheat.

Projected global 2018/19 trade is lower, mainly on reduced EU exports, which are down 4.5 million tons to 23.0 million, the lowest in six years. Russia's exports are increased 1.0 million tons to 35.0 million; Russia is projected to remain the leading world wheat exporter for the second consecutive year. Global imports are lowered for several countries with the largest reduction for Algeria. Projected 2018/19 world consumption is 5.1 million tons lower, primarily on reduced feed use in the EU and Russia. Global ending stocks are down 1.9 million tons to 259.0 million, down 5 percent from last year's record.

**COARSE GRAINS:** This month's 2018/19 U.S. corn outlook is for larger supplies, greater feed and residual use, increased exports, and larger ending stocks. Corn production is forecast at 14.6 billion bushels, up 356 million from the July projection. The season's first survey-based corn yield forecast, at a record 178.4 bushels per acre, is 4.4 bushels higher than last month's trend-based projection. Today's *Crop Production* report indicates that Illinois, Indiana, Nebraska, Ohio, North Dakota, and South Dakota are forecast to have yields above a year ago. The yield for Iowa is unchanged relative to last year, while Missouri, Minnesota, and Kansas are forecast below a year ago. Feed and residual use is up based mostly on a larger crop and lower expected prices. Exports are raised reflecting U.S. export competitiveness and expectations of reduced competition from Brazil. With supply rising faster than use, ending stocks are raised 132 million bushels to 1.7 billion. The season-average corn price received by producers is down 20 cents at the midpoint at a range of \$3.10 to \$4.10 per bushel.

Sorghum production is forecast 19 million bushels higher with the forecast yield 3.6 bushels per acre above last month's projection. Sorghum food, seed, and industrial use is raised reflecting an increase in the amount of sorghum used to produce ethanol.

This month's 2018/19 foreign coarse grain outlook is for lower production, reduced trade, and slightly lower stocks relative to last month. EU corn production is lowered, mostly reflecting reductions for France and Germany that are partially offset by increases for Romania and Bulgaria. Brazil corn production is lowered based on updated expectations for second-crop corn area that will be planted beginning early 2019. Ukraine corn production is forecast higher, as timely rainfall and lack of excessive heat during reproduction boost yield prospects. Other notable corn production changes include projected increases for Zimbabwe, Serbia, and Moldova, with reductions for Zambia and South Africa. Barley production is lowered for the EU, but raised for Ukraine.

Major foreign coarse grain trade changes for 2018/19 include corn export reductions for Brazil, Zambia, and South Africa that are partially offset by increases for Serbia, Ukraine, and Moldova. Brazil's corn exports are lowered for 2017/18 based on lower-than-expected shipments observed for the local marketing year beginning in March 2018. Global corn imports for 2018/19 are raised reflecting expectations of record-high imports for the EU that are partially offset by reductions for Vietnam and Zimbabwe. Foreign corn ending stocks are slightly higher relative to last month, mostly reflecting increases for Brazil and Zimbabwe that are largely offset by reductions for Zambia, South Africa, Canada, and Russia.

**RICE:** Total U.S. rice supplies for 2018/19 are raised slightly from last month due to increased beginning stocks that were mostly offset by a smaller crop. Beginning stocks are raised 2.5 million cwt on a 3.5-million export reduction for the 2017/18 crop year that is partially offset by increased domestic and residual use. U.S. rice production is lowered 2.1 million cwt to 210.9 million on the first survey-based yield forecast of the 2018/19 season. Long-grain production is lowered 2.8 million cwt, while combined medium- and short-grain is raised 0.7 million cwt. The all rice yield forecast is lowered 76 pounds per acre from the previous forecast to 7,523. Exports for the 2018/19 crop year are lowered 4 million cwt to 98 million on a lack of price competitiveness relative to both Asian and South American exporters. Ending stocks are raised 1.4 million cwt to 43.6 million and the 2018/19 all rice season-average farm price is lowered \$0.20 per cwt at the midpoint to a range of \$11.40 to \$12.40.

Global supplies for 2018/19 are lowered fractionally on reduced production for Madagascar and Iraq. World trade is raised slightly, led by higher Pakistan exports and Iraq imports. Global exports remain record large. Global consumption and ending stocks are each lowered fractionally.

**OILSEEDS:** U.S. oilseed production for 2018/19 is projected at 135.6 million tons, up 7.7 million from last month mainly due to a higher soybean production forecast. Soybean production is forecast at 4,586 million bushels, up 276 million on higher yields. Harvested area is forecast at 88.9 million acres, unchanged from the July projection. The first survey-based soybean yield forecast of 51.6 bushels per acre is 3.1 bushels above last month and 2.5 bushels above last year. As higher production more than offsets lower beginning stocks, soybean supplies for 2018/19 are projected at a record 5,040 million bushels, 5 percent above last month. With larger supplies, crush and exports are raised 15 and 20 million bushels,

respectively. Ending stocks are projected at 785 million bushels, up 205 million from last month.

The U.S. season-average soybean price for 2018/19 is forecast at \$8.90 per bushel at the midpoint, down 35 cents from last month. The soybean meal price forecast at \$295 to \$335 per short ton, down \$20 at the midpoint. The soybean oil price forecast is unchanged at 28.0 to 32.0 cents per pound.

U.S. soybean changes for 2017/18 include higher exports, higher crush, and lower ending stocks. Exports are raised 25 million bushels to 2,110 million on strong export sales and shipments through July. Crush is raised 10 million bushels to a record 2,040 million on strong soybean meal exports. With increased crush and exports, soybean ending stocks are reduced 35 million bushels to 430 million.

Global oilseed 2018/19 supply and demand forecasts include higher production, exports, crush, and stocks compared to last month. Global oilseed production for 2018/19 is projected at 603.1 million tons, up 10.5 million with higher soybean, sunflowerseed, cottonseed, and peanut production partly offset by lower rapeseed. Global soybean, peanut, and cottonseed crops are raised on higher U.S. production. Sunflowerseed production is higher for the EU, benefitting from favorable weather conditions in southern and southeastern Europe. Conversely, hot, dry weather in northern Europe resulted in a 1-million-ton reduction to EU rapeseed production. Other oilseed production changes include higher sunflowerseed and rapeseed production for Russia and Ukraine due to beneficial weather conditions over the past few weeks.

Global oilseed exports for 2018/19 are projected at 182.5 million tons, up 1.2 million with higher soybean exports for the United States and higher rapeseed exports for Ukraine. Global crush is raised 1.2 million tons to 501.8 million. Lower soybean crush for China and rapeseed crush for the EU are offset by higher rapeseed crush for Russia and sunflowerseed crush for the EU, Russia, and Ukraine. With larger increases to supply than use, global oilseed stocks are raised 8.3 million tons to 119.9 million.

**SUGAR:** Beet sugar production for 2018/19 is projected up 71,000 short tons, raw value (STRV) to 5.107 million based on sugarbeet area and yield forecasts made by NASS in *Crop Production*. Beet sugar production for 2017/18 is reduced by 34,353 STRV to 5.241 million based on higher beet pile shrink estimated for the 2017/18 slicing campaign. Based on NASS sugarcane yield and area harvested, 2018/19 cane sugar production in Louisiana is increased by 191,000 STRV to 1.781 million and cane sugar production in Florida is increased by 50,000 STRV to 2.050 million. Deliveries for human consumption for 2017/18 are reduced by 135,000 STRV to 12.100 million based on pace to date and the corresponding projection for 2018/19 is reduced in line by 150,000 STRV to 12.250 million. Ending stocks for 2017/18 are estimated at 2.103 million STRV for a stocks-to-use ratio of 16.9 percent. Ending stocks for 2018/19 are projected at 2.261 million STRV for a stocks-to-use ratio of 18.1 percent. Sugar supply and use in Mexico are unchanged from last month.

**LIVESTOCK, POULTRY, AND DAIRY:** The forecast for total meat production in 2018 is raised from last month as increases in broiler production more than offset declines in beef, pork, and turkey production. Second-quarter broiler production is raised on June production data, while third-quarter production is raised on hatchery data and expected growth in bird

weights. The decline in beef production largely reflects a slower pace of marketings in the third quarter. Cow slaughter is raised, but recent carcass weight data and a larger proportion of cows in the slaughter mix led to a reduction in expected carcass weights during the second half of the year. Pork production is reduced on a slower expected pace of slaughter during the last half of the year. Forecast turkey production is reduced slightly from the previous month on June production data. Egg production is increased on second-quarter production data. For 2019, the pork production forecast is raised from the previous month on higher expected hog slaughter in the first part of the year and heavier carcass weights. The beef production forecast is raised on heavier carcass weights in 2019. Broiler production is also raised for 2019 on lower forecast feed prices. Annual turkey and egg production forecasts for 2019 are unchanged from the previous month.

For 2018, second-quarter beef imports are reduced on June trade data; the forecasts for the outlying quarters and into 2019 are unchanged. Beef export forecasts are raised for both 2018 and 2019 on expectations of continued strong global demand. Second-quarter pork imports for 2018 are lowered slightly on recent trade data, but the forecasts for the outlying quarters and into 2019 are unchanged. The second-quarter pork export forecast is adjusted for June data; the forecast for the remainder of 2018 and into 2019 is reduced slightly on expected competition in several markets. Broiler and turkey export forecasts are reduced for both 2018 and 2019 on weaker-than-expected demand.

Cattle and turkey price forecasts are unchanged at the midpoint for 2018 and 2019. Hog and broiler price forecasts are lowered for 2018 and 2019. The egg price forecast for 2018 is raised on recent price strength; no changes are made to the 2019 egg price forecasts.

The milk production forecast for 2018 is unchanged from last month. The milk production forecast for 2019 is raised from the previous month on slightly higher cow numbers and increased milk per cow. For 2018, fat basis exports are raised from the previous month on higher sales of butter and other fat-containing products. The fat basis import forecast is also raised on higher expected imports of butterfat products. The skim-solids basis export forecast for 2018 is lowered on weaker sales of nonfat dry milk (NDM) and the imposition of tariffs by China on lactose and other dairy products. The import forecast is unchanged. For 2019, the fat basis import and export forecasts are unchanged from the previous month. Skim-solids basis exports are lowered on expected continued weak sales of lactose. The skim-solids import forecast for 2019 is reduced from the previous month on lower expected imports of milk protein concentrates.

For 2018, cheese, butter, NDM and whey price forecasts are raised for 2018. Prices for cheese, NDM and whey are also raised for 2019 as demand strength is expected to carry into next year. However, the 2019 butter price forecast remains unchanged from the previous month. The 2018 Class III and Class IV price forecasts are raised from the previous month to reflect the higher dairy product price forecasts. For 2019, Class III price forecast is raised on higher forecast cheese and whey prices. The Class IV price forecast is raised on the stronger forecast NDM price. The all milk price is raised to \$16.10 to \$16.30 per cwt for 2018, and is raised to \$16.45 to \$17.45 per cwt for 2019.

**COTTON:** This month's 2018/19 U.S. cotton forecast includes higher beginning stocks, production, exports, and ending stocks relative to last month. Production for the 2018 crop is raised 4 percent to 19.2 million bales, on this season's first survey-based production forecast.

NASS's survey indicates higher abandonment, but a higher average yield compared to last month's expectations. Beginning stocks are raised 400,000 bales due to lower-than-expected 2017/18 exports and domestic consumption, and 2018/19 exports are 500,000 bales higher, at 15.5 million bales. Ending stocks are 600,000 bales higher this month. The midpoint of the marketing-year-average price is unchanged from last month, at 75 cents per pound.

Projected world 2018/19 ending stocks are down 1 percent this month, due to a combination of lower beginning stocks and higher consumption offsetting higher production. Beginning stocks are reduced 450,000 bales, reflecting both lower production and higher consumption estimates for 2017/18. Production in 2018/19 is increased 400,000 bales, with higher expected crops in the United States, Argentina, and Turkey offsetting reduced crops in Uzbekistan, Australia, and Turkmenistan. Consumption is raised 660,000 bales, led by a 300,000-bale increase for Pakistan, with smaller increases in Indonesia, Turkey, and other countries.

Approved by the Secretary of Agriculture and the Chairman of the World Agricultural Outlook Board, Seth D. Meyer, (202) 720-6030. This report was prepared by the Interagency Commodity Estimates Committees.

APPROVED BY:

A handwritten signature in cursive script that reads "Sonny Perdue".

SONNY PERDUE  
SECRETARY OF AGRICULTURE

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**In 2018, the WASDE report will be released at 12:00pm Eastern Time  
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**World and U.S Supply and Use for Grains 1/  
Million Metric Tons**

| <b>World</b>         |                 |     | <b>Output</b> | <b>Total<br/>Supply</b> | <b>Trade 2/</b> | <b>Total<br/>Use 3/</b> | <b>Ending<br/>Stocks</b> |
|----------------------|-----------------|-----|---------------|-------------------------|-----------------|-------------------------|--------------------------|
| Total Grains 4/      | 2016/17         |     | 2608.63       | 3233.85                 | 429.05          | 2577.72                 | 656.12                   |
|                      | 2017/18 (Est.)  |     | 2561.03       | 3217.15                 | 417.04          | 2577.56                 | 639.59                   |
|                      | 2018/19 (Proj.) | Jul | 2560.97       | 3199.33                 | 430.53          | 2614.91                 | 584.43                   |
|                      |                 | Aug | 2559.33       | 3198.92                 | 431.00          | 2613.28                 | 585.64                   |
| Wheat                | 2016/17         |     | 751.99        | 996.21                  | 183.27          | 739.03                  | 257.19                   |
|                      | 2017/18 (Est.)  |     | 758.02        | 1015.20                 | 182.64          | 742.13                  | 273.07                   |
|                      | 2018/19 (Proj.) | Jul | 736.26        | 1009.75                 | 185.45          | 748.87                  | 260.88                   |
|                      |                 | Aug | 729.63        | 1002.70                 | 183.87          | 743.74                  | 258.96                   |
| Coarse Grains 5/     | 2016/17         |     | 1369.92       | 1618.10                 | 198.57          | 1355.94                 | 262.16                   |
|                      | 2017/18 (Est.)  |     | 1314.47       | 1576.63                 | 186.15          | 1353.93                 | 222.70                   |
|                      | 2018/19 (Proj.) | Jul | 1336.91       | 1557.92                 | 195.87          | 1378.12                 | 179.79                   |
|                      |                 | Aug | 1342.13       | 1564.84                 | 197.87          | 1381.73                 | 183.11                   |
| Rice, milled         | 2016/17         |     | 486.71        | 619.53                  | 47.21           | 482.76                  | 136.77                   |
|                      | 2017/18 (Est.)  |     | 488.54        | 625.31                  | 48.25           | 481.50                  | 143.82                   |
|                      | 2018/19 (Proj.) | Jul | 487.80        | 631.66                  | 49.21           | 487.91                  | 143.75                   |
|                      |                 | Aug | 487.57        | 631.38                  | 49.26           | 487.81                  | 143.57                   |
| <b>United States</b> |                 |     |               |                         |                 |                         |                          |
| Total Grains 4/      | 2016/17         |     | 472.56        | 556.09                  | 96.71           | 363.62                  | 95.76                    |
|                      | 2017/18 (Est.)  |     | 437.29        | 541.22                  | 93.72           | 361.15                  | 86.35                    |
|                      | 2018/19 (Proj.) | Jul | 433.06        | 527.15                  | 90.88           | 365.13                  | 71.14                    |
|                      |                 | Aug | 442.44        | 536.86                  | 95.29           | 368.27                  | 73.31                    |
| Wheat                | 2016/17         |     | 62.83         | 92.60                   | 28.60           | 31.86                   | 32.13                    |
|                      | 2017/18 (Est.)  |     | 47.37         | 83.79                   | 24.52           | 29.32                   | 29.95                    |
|                      | 2018/19 (Proj.) | Jul | 51.21         | 84.82                   | 26.54           | 31.49                   | 26.80                    |
|                      |                 | Aug | 51.08         | 84.70                   | 27.90           | 31.35                   | 25.45                    |
| Coarse Grains 5/     | 2016/17         |     | 402.61        | 454.15                  | 64.46           | 327.53                  | 62.17                    |
|                      | 2017/18 (Est.)  |     | 384.26        | 449.45                  | 66.45           | 327.71                  | 55.30                    |
|                      | 2018/19 (Proj.) | Jul | 375.09        | 433.68                  | 61.11           | 329.58                  | 43.00                    |
|                      |                 | Aug | 384.67        | 443.51                  | 64.28           | 332.75                  | 46.47                    |
| Rice, milled         | 2016/17         |     | 7.12          | 9.34                    | 3.65            | 4.23                    | 1.46                     |
|                      | 2017/18 (Est.)  |     | 5.66          | 7.98                    | 2.75            | 4.13                    | 1.10                     |
|                      | 2018/19 (Proj.) | Jul | 6.76          | 8.65                    | 3.24            | 4.06                    | 1.34                     |
|                      |                 | Aug | 6.70          | 8.66                    | 3.11            | 4.16                    | 1.39                     |

1/ Aggregate of local marketing years. 2/ Based on export estimate. See individual commodity tables for treatment of export/import imbalances. 3/ Total use for the United States is equal to domestic consumption only (excludes exports). 4/ Wheat, coarse grains, and milled rice. 5/ Corn, sorghum, barley, oats, rye, millet, and mixed grains (for U.S. excludes millet and mixed grains).



## WASDE - 580 - 9

**World and U.S. Supply and Use for Grains, Continued 1/  
Million Metric Tons**

| Foreign 3/       |                 | Output   | Total Supply | Trade 2/ | Total Use | Ending Stocks |        |
|------------------|-----------------|----------|--------------|----------|-----------|---------------|--------|
| Total Grains 4/  | 2016/17         | 2,136.07 | 2,677.76     | 332.34   | 2,214.10  | 560.36        |        |
|                  | 2017/18 (Est.)  | 2,123.74 | 2,675.93     | 323.32   | 2,216.40  | 553.25        |        |
|                  | 2018/19 (Proj.) | Jul      | 2,127.90     | 2,672.18 | 339.65    | 2,249.77      | 513.29 |
|                  |                 | Aug      | 2,116.89     | 2,662.06 | 335.71    | 2,245.01      | 512.34 |
| Wheat            | 2016/17         | 689.16   | 903.62       | 154.67   | 707.16    | 225.06        |        |
|                  | 2017/18 (Est.)  | 710.65   | 931.42       | 158.12   | 712.81    | 243.13        |        |
|                  | 2018/19 (Proj.) | Jul      | 685.05       | 924.93   | 158.92    | 717.39        | 234.08 |
|                  |                 | Aug      | 678.55       | 918.00   | 155.97    | 712.39        | 233.51 |
| Coarse Grains 5/ | 2016/17         | 967.31   | 1,163.95     | 134.11   | 1,028.41  | 200.00        |        |
|                  | 2017/18 (Est.)  | 930.22   | 1,127.18     | 119.70   | 1,026.22  | 167.41        |        |
|                  | 2018/19 (Proj.) | Jul      | 961.82       | 1,124.23 | 134.76    | 1,048.54      | 136.80 |
|                  |                 | Aug      | 957.47       | 1,121.33 | 133.59    | 1,048.97      | 136.64 |
| Rice, milled     | 2016/17         | 479.60   | 610.20       | 43.57    | 478.53    | 135.31        |        |
|                  | 2017/18 (Est.)  | 482.88   | 617.34       | 45.51    | 477.37    | 142.71        |        |
|                  | 2018/19 (Proj.) | Jul      | 481.04       | 623.02   | 45.97     | 483.84        | 142.41 |
|                  |                 | Aug      | 480.87       | 622.73   | 46.14     | 483.65        | 142.19 |

1/ Aggregate of local marketing years. 2/ Based on export estimate. See individual commodity tables for treatment of export/import imbalances. 3/ Total foreign is equal to world minus United States. 4/ Wheat, coarse grains, and milled rice. 5/ Corn, sorghum, barley, oats, rye, millet, and mixed grains.

**World and U.S. Supply and Use for Cotton 1/  
Million 480-lb. Bales**

|               |                 | Output | Total Supply | Trade 2/ | Total Use 3/ | Ending Stocks |       |
|---------------|-----------------|--------|--------------|----------|--------------|---------------|-------|
| World         | 2016/17         | 106.63 | 200.07       | 37.65    | 115.78       | 84.09         |       |
|               | 2017/18 (Est.)  | 123.51 | 207.60       | 40.79    | 122.74       | 84.51         |       |
|               | 2018/19 (Proj.) | Jul    | 120.11       | 205.06   | 41.24        | 126.95        | 77.84 |
|               |                 | Aug    | 120.53       | 205.04   | 41.82        | 127.62        | 77.10 |
| United States | 2016/17         | 17.17  | 20.98        | 14.92    | 3.25         | 2.75          |       |
|               | 2017/18 (Est.)  | 20.92  | 23.68        | 15.85    | 3.25         | 4.40          |       |
|               | 2018/19 (Proj.) | Jul    | 18.50        | 22.51    | 15.00        | 3.40          | 4.00  |
|               |                 | Aug    | 19.24        | 23.64    | 15.50        | 3.40          | 4.60  |
| Foreign 4/    | 2016/17         | 89.46  | 179.10       | 22.73    | 112.53       | 81.34         |       |
|               | 2017/18 (Est.)  | 102.59 | 183.92       | 24.94    | 119.49       | 80.11         |       |
|               | 2018/19 (Proj.) | Jul    | 101.61       | 182.56   | 26.24        | 123.55        | 73.84 |
|               |                 | Aug    | 101.29       | 181.40   | 26.32        | 124.22        | 72.50 |

1/ Marketing year beginning August 1. 2/ Based on export estimate. 3/ Includes mill use only. 4/ Total Foreign is equal to world minus United States. See global cotton tables for treatment of export/import imbalances.

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**World and U.S. Supply and Use for Oilseeds 1/  
(Million Metric Tons)**

| <b>World</b>         |                 |     | Output | Total Supply | Trade  | Total Use 2/ | Ending Stocks |
|----------------------|-----------------|-----|--------|--------------|--------|--------------|---------------|
| Oilseeds             | 2016/17         |     | 574.22 | 668.65       | 170.43 | 469.57       | 110.95        |
|                      | 2017/18 (Est.)  |     | 573.40 | 684.36       | 177.49 | 484.06       | 111.65        |
|                      | 2018/19 (Proj.) | Jul | 592.59 | 704.48       | 181.30 | 500.64       | 111.69        |
|                      |                 | Aug | 603.12 | 714.78       | 182.50 | 501.81       | 119.94        |
| Oilmeals             | 2016/17         |     | 321.13 | 338.24       | 88.19  | 318.61       | 16.31         |
|                      | 2017/18 (Est.)  |     | 330.41 | 346.72       | 87.79  | 329.95       | 13.73         |
|                      | 2018/19 (Proj.) | Jul | 343.19 | 358.19       | 88.72  | 340.36       | 14.98         |
|                      |                 | Aug | 343.43 | 357.17       | 89.48  | 340.42       | 13.84         |
| Vegetable Oils       | 2016/17         |     | 189.18 | 210.66       | 81.13  | 183.81       | 20.60         |
|                      | 2017/18 (Est.)  |     | 197.35 | 217.95       | 81.01  | 191.11       | 21.33         |
|                      | 2018/19 (Proj.) | Jul | 203.74 | 225.98       | 83.88  | 197.47       | 22.85         |
|                      |                 | Aug | 204.42 | 225.75       | 84.45  | 197.74       | 22.12         |
| <b>United States</b> |                 |     |        |              |        |              |               |
| Oilseeds             | 2016/17         |     | 126.93 | 135.31       | 60.08  | 56.26        | 9.60          |
|                      | 2017/18 (Est.)  |     | 131.03 | 142.05       | 58.67  | 59.77        | 13.65         |
|                      | 2018/19 (Proj.) | Jul | 127.83 | 143.89       | 56.66  | 60.21        | 17.65         |
|                      |                 | Aug | 135.55 | 150.61       | 57.20  | 60.62        | 23.19         |
| Oilmeals             | 2016/17         |     | 43.11  | 47.31        | 10.83  | 36.08        | 0.41          |
|                      | 2017/18 (Est.)  |     | 46.35  | 50.54        | 13.10  | 37.03        | 0.42          |
|                      | 2018/19 (Proj.) | Jul | 46.49  | 50.70        | 12.26  | 38.02        | 0.42          |
|                      |                 | Aug | 46.72  | 50.93        | 12.48  | 38.02        | 0.42          |
| Vegetable Oils       | 2016/17         |     | 11.43  | 17.37        | 1.42   | 14.72        | 1.23          |
|                      | 2017/18 (Est.)  |     | 11.97  | 18.23        | 1.36   | 15.46        | 1.41          |
|                      | 2018/19 (Proj.) | Jul | 12.15  | 18.75        | 1.25   | 16.07        | 1.43          |
|                      |                 | Aug | 12.23  | 18.76        | 1.25   | 16.16        | 1.35          |
| <b>Foreign 3/</b>    |                 |     |        |              |        |              |               |
| Oilseeds             | 2016/17         |     | 447.29 | 533.35       | 110.35 | 413.31       | 101.35        |
|                      | 2017/18 (Est.)  |     | 442.37 | 542.31       | 118.83 | 424.29       | 98.01         |
|                      | 2018/19 (Proj.) | Jul | 464.76 | 560.59       | 124.64 | 440.43       | 94.04         |
|                      |                 | Aug | 467.57 | 564.16       | 125.30 | 441.19       | 96.74         |
| Oilmeals             | 2016/17         |     | 278.02 | 290.93       | 77.36  | 282.53       | 15.90         |
|                      | 2017/18 (Est.)  |     | 284.06 | 296.18       | 74.70  | 292.93       | 13.32         |
|                      | 2018/19 (Proj.) | Jul | 296.70 | 307.49       | 76.46  | 302.34       | 14.56         |
|                      |                 | Aug | 296.72 | 306.24       | 76.99  | 302.39       | 13.42         |
| Vegetable Oils       | 2016/17         |     | 177.74 | 193.29       | 79.71  | 169.09       | 19.37         |
|                      | 2017/18 (Est.)  |     | 185.38 | 199.72       | 79.65  | 175.65       | 19.91         |
|                      | 2018/19 (Proj.) | Jul | 191.59 | 207.23       | 82.63  | 181.40       | 21.42         |
|                      |                 | Aug | 192.19 | 206.99       | 83.20  | 181.58       | 20.76         |

1/ Aggregate of local marketing years with Brazil and Argentina on an Oct.-Sept. year. 2/ Crush only for oilseeds. 3/ Total Foreign is equal to World minus United States.

## WASDE - 580 - 11

## U.S. Wheat Supply and Use 1/

|                            | 2016/17 | 2017/18 Est. | 2018/19 Proj.<br>Jul   | 2018/19 Proj.<br>Aug |
|----------------------------|---------|--------------|------------------------|----------------------|
|                            |         |              | <i>Million Acres</i>   |                      |
| Area Planted               | 50.1    | 46.0         | 47.8                   | 47.8                 |
| Area Harvested             | 43.9    | 37.6         | 39.6                   | 39.6                 |
|                            |         |              | <i>Bushels</i>         |                      |
| Yield per Harvested Acre   | 52.7    | 46.3         | 47.5                   | 47.4                 |
|                            |         |              | <i>Million Bushels</i> |                      |
| Beginning Stocks           | 976     | 1,181        | 1,100                  | 1,100                |
| Production                 | 2,309   | 1,741        | 1,881                  | 1,877                |
| Imports                    | 118     | 157          | 135                    | 135                  |
| Supply, Total              | 3,402   | 3,079        | 3,117                  | 3,112                |
| Food                       | 949     | 964          | 965                    | 970                  |
| Seed                       | 61      | 64           | 62                     | 62                   |
| Feed and Residual          | 161     | 48           | 130                    | 120                  |
| Domestic, Total            | 1,171   | 1,077        | 1,157                  | 1,152                |
| Exports                    | 1,051   | 901          | 975                    | 1,025                |
| Use, Total                 | 2,222   | 1,978        | 2,132                  | 2,177                |
| Ending Stocks              | 1,181   | 1,100        | 985                    | 935                  |
| Avg. Farm Price (\$/bu) 2/ | 3.89    | 4.73         | 4.50 - 5.50            | 4.60 - 5.60          |

## U.S. Wheat by Class: Supply and Use

| Year beginning June 1 |                      | Hard Red<br>Winter | Hard Red<br>Spring | Soft Red<br>Winter         | White | Durum | Total |
|-----------------------|----------------------|--------------------|--------------------|----------------------------|-------|-------|-------|
|                       |                      |                    |                    | <i>Million<br/>Bushels</i> |       |       |       |
| 2017/18 (Est.)        | Beginning Stocks     | 589                | 235                | 215                        | 105   | 36    | 1,181 |
|                       | Production           | 750                | 385                | 292                        | 258   | 55    | 1,741 |
|                       | Supply, Total 3/     | 1,346              | 708                | 511                        | 371   | 143   | 3,079 |
|                       | Domestic Use         | 394                | 288                | 216                        | 90    | 89    | 1,077 |
|                       | Exports              | 371                | 228                | 90                         | 194   | 18    | 901   |
|                       | Use, Total           | 765                | 517                | 306                        | 284   | 107   | 1,978 |
|                       | Ending Stocks, Total | 581                | 191                | 205                        | 87    | 36    | 1,100 |
| 2018/19 (Proj.)       | Beginning Stocks     | 581                | 191                | 205                        | 87    | 36    | 1,100 |
|                       | Production           | 661                | 583                | 292                        | 267   | 73    | 1,877 |
|                       | Supply, Total 3/     | 1,253              | 839                | 507                        | 364   | 149   | 3,112 |
|                       | Domestic Use         | 464                | 292                | 214                        | 94    | 88    | 1,152 |
|                       | Exports              | 395                | 285                | 115                        | 200   | 30    | 1,025 |
|                       | Use, Total           | 859                | 577                | 329                        | 294   | 118   | 2,177 |
|                       | Ending Stocks, Total |                    |                    |                            |       |       |       |
|                       |                      | Aug                |                    |                            |       |       |       |
|                       |                      | Jul                |                    |                            |       |       |       |
|                       |                      | 394                | 262                | 178                        | 70    | 31    | 935   |
|                       |                      | 417                | 283                | 169                        | 75    | 41    | 985   |

Note: Totals may not add due to rounding. 1/ Marketing year beginning June 1. 2/ Marketing-year weighted average price received by farmers. 3/ Includes imports.

## WASDE - 580 - 12

## U.S. Feed Grain and Corn Supply and Use 1/

|                            | 2016/17 | 2017/18 Est. | 2018/19 Proj.<br>Jul       | 2018/19 Proj.<br>Aug |
|----------------------------|---------|--------------|----------------------------|----------------------|
| <b>FEED GRAINS</b>         |         |              |                            |                      |
|                            |         |              | <i>Million Acres</i>       |                      |
| Area Planted               | 106.6   | 100.9        | 100.6 *                    | 100.6                |
| Area Harvested             | 96.5    | 90.5         | 90.1 *                     | 90.1                 |
|                            |         |              | <i>Metric Tons</i>         |                      |
| Yield per Harvested Acre   | 4.17    | 4.24         | 4.16                       | 4.27                 |
|                            |         |              | <i>Million Metric Tons</i> |                      |
| Beginning Stocks           | 48.1    | 62.1         | 55.0                       | 55.3                 |
| Production                 | 402.3   | 384.0        | 374.8                      | 384.4                |
| Imports                    | 3.3     | 2.8          | 3.3                        | 3.3                  |
| Supply, Total              | 453.6   | 449.0        | 433.2                      | 443.0                |
| Feed and Residual          | 144.6   | 141.8        | 141.6                      | 144.1                |
| Food, Seed & Industrial    | 182.4   | 185.4        | 187.5                      | 188.2                |
| Domestic, Total            | 327.0   | 327.2        | 329.1                      | 332.3                |
| Exports                    | 64.5    | 66.4         | 61.1                       | 64.3                 |
| Use, Total                 | 391.5   | 393.7        | 390.2                      | 396.6                |
| Ending Stocks              | 62.1    | 55.3         | 43.0                       | 46.5                 |
| <b>CORN</b>                |         |              |                            |                      |
|                            |         |              | <i>Million Acres</i>       |                      |
| Area Planted               | 94.0    | 90.2         | 89.1 *                     | 89.1                 |
| Area Harvested             | 86.7    | 82.7         | 81.8 *                     | 81.8                 |
|                            |         |              | <i>Bushels</i>             |                      |
| Yield per Harvested Acre   | 174.6   | 176.6        | 174.0 *                    | 178.4                |
|                            |         |              | <i>Million Bushels</i>     |                      |
| Beginning Stocks           | 1,737   | 2,293        | 2,027                      | 2,027                |
| Production                 | 15,148  | 14,604       | 14,230                     | 14,586               |
| Imports                    | 57      | 40           | 50                         | 50                   |
| Supply, Total              | 16,942  | 16,937       | 16,307                     | 16,664               |
| Feed and Residual          | 5,470   | 5,450        | 5,425                      | 5,525                |
| Food, Seed & Industrial 2/ | 6,885   | 7,060        | 7,105                      | 7,105                |
| Ethanol & by-products 3/   | 5,432   | 5,600        | 5,625                      | 5,625                |
| Domestic, Total            | 12,355  | 12,510       | 12,530                     | 12,630               |
| Exports                    | 2,294   | 2,400        | 2,225                      | 2,350                |
| Use, Total                 | 14,649  | 14,910       | 14,755                     | 14,980               |
| Ending Stocks              | 2,293   | 2,027        | 1,552                      | 1,684                |
| Avg. Farm Price (\$/bu) 4/ | 3.36    | 3.35 - 3.45  | 3.30 - 4.30                | 3.10 - 4.10          |

Note: Totals may not add due to rounding. 1/ Marketing year beginning September 1 for corn and sorghum; June 1 for barley and oats. 2/ For a breakout of FSI corn uses, see Feed Outlook table 5 or access the data on the Web through the Feed Grains Database at [www.ers.usda.gov/data-products/feed-grains-database.aspx](http://www.ers.usda.gov/data-products/feed-grains-database.aspx). 3/ Corn processed in ethanol plants to produce ethanol and by-products including distillers' grains, corn gluten feed, corn gluten meal, and corn oil. 4/ Marketing-year weighted average price received by farmers. \* For July, planted acres reported in the June 29, 2018, "Acreage." The corn yield projection is based on a weather-adjusted trend assuming normal mid-May planting progress and summer growing season weather, estimated using the 1988-2017 time period, and includes a downward stochastic adjustment to account for the asymmetric response of yield to July precipitation. (For an explanation of the yield trend model see Westcott and Jewison, Weather Effects on Expected Corn and Soybean Yields, USDA-ERS, Feed Outlook No. (FDS-13G-01), July 2013, [www.ers.usda.gov/webdocs/publications/fds13g01/39297\\_fds-13g-01.pdf?v=41481](http://www.ers.usda.gov/webdocs/publications/fds13g01/39297_fds-13g-01.pdf?v=41481).)

## WASDE - 580 - 13

## U.S. Sorghum, Barley, and Oats Supply and Use 1/

|                             | 2016/17                | 2017/18 Est. | 2018/19 Proj.<br>Jul | 2018/19 Proj.<br>Aug |
|-----------------------------|------------------------|--------------|----------------------|----------------------|
| <b>SORGHUM</b>              |                        |              |                      |                      |
|                             | <i>Million Bushels</i> |              |                      |                      |
| Area Planted (mil. acres)   | 6.7                    | 5.6          | 6.0 *                | 6.0                  |
| Area Harvested (mil. acres) | 6.2                    | 5.0          | 5.3 *                | 5.3                  |
| Yield (bushels/acre)        | 77.9                   | 72.1         | 67.3 *               | 70.9                 |
| Beginning Stocks            | 37                     | 33           | 34                   | 44                   |
| Production                  | 480                    | 364          | 356                  | 375                  |
| Imports                     | 2                      | 2            | 0                    | 0                    |
| Supply, Total               | 519                    | 399          | 390                  | 420                  |
| Feed and Residual           | 133                    | 85           | 80                   | 80                   |
| Food, Seed & Industrial     | 115                    | 60           | 100                  | 125                  |
| Total Domestic              | 247                    | 145          | 180                  | 205                  |
| Exports                     | 238                    | 210          | 175                  | 175                  |
| Use, Total                  | 485                    | 355          | 355                  | 380                  |
| Ending Stocks               | 33                     | 44           | 35                   | 40                   |
| Avg. Farm Price (\$/bu) 2/  | 2.79                   | 3.15 - 3.25  | 3.10 - 4.10          | 2.90 - 3.90          |
| <b>BARLEY</b>               |                        |              |                      |                      |
| Area Planted (mil. acres)   | 3.1                    | 2.5          | 2.5 *                | 2.5                  |
| Area Harvested (mil. acres) | 2.6                    | 2.0          | 2.0 *                | 2.0                  |
| Yield (bushels/acre)        | 77.9                   | 72.6         | 75.6 *               | 76.3                 |
| Beginning Stocks            | 102                    | 106          | 95                   | 95                   |
| Production                  | 200                    | 142          | 155                  | 156                  |
| Imports                     | 10                     | 9            | 20                   | 20                   |
| Supply, Total               | 312                    | 257          | 269                  | 271                  |
| Feed and Residual           | 39                     | 0            | 15                   | 15                   |
| Food, Seed & Industrial     | 162                    | 157          | 155                  | 155                  |
| Total Domestic              | 201                    | 158          | 170                  | 170                  |
| Exports                     | 4                      | 5            | 5                    | 5                    |
| Use, Total                  | 205                    | 163          | 175                  | 175                  |
| Ending Stocks               | 106                    | 95           | 94                   | 96                   |
| Avg. Farm Price (\$/bu) 2/  | 4.96                   | 4.47         | 4.00 - 5.20          | 4.00 - 5.20          |
| <b>OATS</b>                 |                        |              |                      |                      |
| Area Planted (mil. acres)   | 2.8                    | 2.6          | 2.9 *                | 2.9                  |
| Area Harvested (mil. acres) | 1.0                    | 0.8          | 1.0 *                | 1.0                  |
| Yield (bushels/acre)        | 66.0                   | 61.7         | 65.8 *               | 65.1                 |
| Beginning Stocks            | 57                     | 50           | 41                   | 41                   |
| Production                  | 65                     | 49           | 66                   | 66                   |
| Imports                     | 90                     | 89           | 95                   | 95                   |
| Supply, Total               | 212                    | 189          | 202                  | 202                  |
| Feed and Residual           | 82                     | 68           | 80                   | 80                   |
| Food, Seed & Industrial     | 76                     | 78           | 79                   | 79                   |
| Total Domestic              | 158                    | 146          | 159                  | 159                  |
| Exports                     | 3                      | 2            | 2                    | 2                    |
| Use, Total                  | 161                    | 148          | 161                  | 161                  |
| Ending Stocks               | 50                     | 41           | 41                   | 41                   |
| Avg. Farm Price (\$/bu) 2/  | 2.06                   | 2.58         | 2.50 - 3.10          | 2.50 - 3.10          |

Note: Totals may not add due to rounding. 1/ Marketing year beginning September 1 for sorghum; June 1 for barley and oats. 2/ Marketing-year weighted average price received by farmers. \* For July, for sorghum planted and harvested acres reported in the June 29, 2018, "Acreage." The yield is the median yield for 1986-2017. Barley and oats area planted, area harvested, yield, and production as reported in the July 12, 2018, "Crop Production."

## WASDE - 580 - 14

**U.S. Rice Supply and Use 1/  
(Rough Equivalent of Rough and Milled Rice)**

| TOTAL RICE                  | 2016/17 | 2017/18 Est.                 | 2018/19 Proj. | 2018/19 Proj. |
|-----------------------------|---------|------------------------------|---------------|---------------|
|                             |         |                              | Jul           | Aug           |
|                             |         | <i>Million Acres</i>         |               |               |
| Area Planted                | 3.15    | 2.46                         | 2.84 *        | 2.84          |
| Area Harvested              | 3.10    | 2.37                         | 2.80 *        | 2.80          |
|                             |         | <i>Pounds</i>                |               |               |
| Yield per Harvested Acre    | 7,237   | 7,507                        | 7,599 *       | 7,523         |
|                             |         | <i>Million Hundredweight</i> |               |               |
| Beginning Stocks 2/         | 46.5    | 46.0                         | 32.3          | 34.8          |
| Production                  | 224.1   | 178.2                        | 213.0         | 210.9         |
| Imports                     | 23.5    | 27.0                         | 27.0          | 27.0          |
| Supply, Total               | 294.1   | 251.3                        | 272.3         | 272.6         |
| Domestic & Residual 3/      | 133.2   | 130.0                        | 128.0         | 131.0         |
| Exports, Total 4/           | 114.8   | 86.5                         | 102.0         | 98.0          |
| Rough                       | 40.4    | 29.0                         | 34.0          | 34.0          |
| Milled (rough equiv.)       | 74.4    | 57.5                         | 68.0          | 64.0          |
| Use, Total                  | 248.0   | 216.5                        | 230.0         | 229.0         |
| Ending Stocks               | 46.0    | 34.8                         | 42.3          | 43.6          |
| Avg. Milling Yield (%) 5/   | 70.00   | 70.00                        | 70.00         | 70.00         |
| Avg. Farm Price (\$/cwt) 6/ | 10.40   | 12.50                        | 11.60 - 12.60 | 11.40 - 12.40 |

**LONG-GRAIN RICE**

|                             |       |       |               |               |
|-----------------------------|-------|-------|---------------|---------------|
| Harvested Acres (mil.)      | 2.40  | 1.75  |               |               |
| Yield (pounds/acre)         | 6,927 | 7,314 |               |               |
| Beginning Stocks            | 22.7  | 31.0  | 20.4          | 23.4          |
| Production                  | 166.5 | 127.9 | 156.5         | 153.7         |
| Supply, Total 7/            | 209.4 | 182.4 | 200.4         | 200.6         |
| Domestic & Residual 3/      | 101.8 | 96.0  | 99.0          | 102.0         |
| Exports 8/                  | 76.6  | 63.0  | 72.0          | 68.0          |
| Use, Total                  | 178.4 | 159.0 | 171.0         | 170.0         |
| Ending Stocks               | 31.0  | 23.4  | 29.4          | 30.6          |
| Avg. Farm Price (\$/cwt) 6/ | 9.61  | 11.70 | 10.70 - 11.70 | 10.50 - 11.50 |

**MEDIUM & SHORT-GRAIN RICE**

|                                   |       |       |               |               |
|-----------------------------------|-------|-------|---------------|---------------|
| Harvested Acres (mil.)            | 0.69  | 0.63  |               |               |
| Yield (pounds/acre)               | 8,311 | 8,048 |               |               |
| Beginning Stocks                  | 20.9  | 11.5  | 8.4           | 7.9           |
| Production                        | 57.7  | 50.4  | 56.5          | 57.2          |
| Supply, Total 7/                  | 81.1  | 65.4  | 68.4          | 68.5          |
| Domestic & Residual 3/            | 31.4  | 34.0  | 29.0          | 29.0          |
| Exports 8/                        | 38.2  | 23.5  | 30.0          | 30.0          |
| Use, Total                        | 69.6  | 57.5  | 59.0          | 59.0          |
| Ending Stocks                     | 11.5  | 7.9   | 9.4           | 9.5           |
| Avg. Farm Price (\$/cwt) 1/ 6/ 9/ | 13.10 | 15.00 | 14.50 - 15.50 | 14.40 - 15.40 |
| California 10/                    | 14.10 | 16.60 | 16.00 - 17.00 | 16.00 - 17.00 |
| Other States 1/                   | 10.10 | 12.00 | 11.00 - 12.00 | 10.80 - 11.80 |

Note: Totals may not add due to rounding. 1/ Marketing year beginning August 1. 2/ Includes the following quantities of broken kernel rice (type undetermined) not included in estimates of ending stocks by type (in mil. cwt): 2015/16-2.9; 2016/17-3.5; 2017/18-3.5. 3/ Residual includes unreported use, processing losses, and estimating errors. Use by type may not add to total rice use because of the difference in brokens between beginning and ending stocks. 4/ Includes rough rice and milled rice exports. Milled rice exports are converted to an equivalent rough basis. 5/ Expressed as a percent, i.e., the total quantity of whole kernel and broken rice produced divided by the quantity of rough rice milled. 6/ Marketing-year weighted average price received by farmers. 7/ Includes imports. 8/ Exports by type of rice are estimated. 9/ The medium/short-grain season-average- farm price (SAFP) largely reflects rice that is marketed through price pools in California. The pool price is not final until all the rice in the pool is marketed for the crop year. Therefore, SAFP forecasts based on the average of NASS monthly prices and the final price may differ. For example, the average difference between the August WASDE SAFP forecast and the final price has averaged \$1.65 per cwt from 2008/09-2013/14, with a high of \$3.50 per cwt in 2008/09 and a low of \$0.60 per cwt in 2009/10. 10/ Marketing year beginning October 1. \* For July-- Planted and harvested area reported in June 29, 2018 "Acreage" report. Projected yield is based on by-class trend analysis and prospective planting.

## WASDE - 580 - 15

## U.S. Soybeans and Products Supply and Use (Domestic Measure) 1/

| SOYBEANS                      | 2016/17 | 2017/18 Est.               | 2018/19 Proj.   | 2018/19 Proj.   |
|-------------------------------|---------|----------------------------|-----------------|-----------------|
|                               |         |                            | Jul             | Aug             |
|                               |         | <i>Million Acres</i>       |                 |                 |
| Area Planted                  | 83.4    | 90.1                       | 89.6 *          | 89.6            |
| Area Harvested                | 82.7    | 89.5                       | 88.9 *          | 88.9            |
|                               |         | <i>Bushels</i>             |                 |                 |
| Yield per Harvested Acre      | 52.0    | 49.1                       | 48.5 *          | 51.6            |
|                               |         | <i>Million Bushels</i>     |                 |                 |
| Beginning Stocks              | 197     | 302                        | 465             | 430             |
| Production                    | 4,296   | 4,392                      | 4,310           | 4,586           |
| Imports                       | 22      | 22                         | 25              | 25              |
| Supply, Total                 | 4,515   | 4,715                      | 4,800           | 5,040           |
| Crushings                     | 1,901   | 2,040                      | 2,045           | 2,060           |
| Exports                       | 2,166   | 2,110                      | 2,040           | 2,060           |
| Seed                          | 105     | 104                        | 103             | 103             |
| Residual                      | 41      | 32                         | 32              | 33              |
| Use, Total                    | 4,214   | 4,286                      | 4,220           | 4,256           |
| Ending Stocks                 | 302     | 430                        | 580             | 785             |
| Avg. Farm Price (\$/bu) 2/    | 9.47    | 9.35                       | 8.00 - 10.50    | 7.65 - 10.15    |
| <b>SOYBEAN OIL</b>            |         |                            |                 |                 |
|                               |         | <i>Million Pounds</i>      |                 |                 |
| Beginning Stocks              | 1,687   | 1,711                      | 2,316           | 2,171           |
| Production 4/                 | 22,123  | 23,495                     | 23,620          | 23,795          |
| Imports                       | 319     | 315                        | 300             | 300             |
| Supply, Total                 | 24,129  | 25,521                     | 26,236          | 26,266          |
| Domestic Disappearance        | 19,862  | 20,900                     | 21,800          | 22,000          |
| Biodiesel 3/                  | 6,200   | 6,900                      | 7,800           | 7,800           |
| Food, Feed & other Industrial | 13,662  | 14,000                     | 14,000          | 14,200          |
| Exports                       | 2,556   | 2,450                      | 2,200           | 2,200           |
| Use, Total                    | 22,418  | 23,350                     | 24,000          | 24,200          |
| Ending stocks                 | 1,711   | 2,171                      | 2,236           | 2,066           |
| Avg. Price (c/lb) 2/          | 32.48   | 30.00                      | 28.00 - 32.00   | 28.00 - 32.00   |
| <b>SOYBEAN MEAL</b>           |         |                            |                 |                 |
|                               |         | <i>Thousand Short Tons</i> |                 |                 |
| Beginning Stocks              | 264     | 401                        | 400             | 400             |
| Production 4/                 | 44,787  | 48,499                     | 48,450          | 48,700          |
| Imports                       | 350     | 500                        | 350             | 350             |
| Supply, Total                 | 45,400  | 49,400                     | 49,200          | 49,450          |
| Domestic Disappearance        | 33,420  | 34,900                     | 35,700          | 35,700          |
| Exports                       | 11,580  | 14,100                     | 13,100          | 13,350          |
| Use, Total                    | 45,000  | 49,000                     | 48,800          | 49,050          |
| Ending Stocks                 | 401     | 400                        | 400             | 400             |
| Avg. Price (\$/s.t.) 2/       | 316.88  | 350.00                     | 315.00 - 355.00 | 295.00 - 335.00 |

Note: Totals may not add due to rounding. Reliability calculations at end of report. 1/ Marketing year beginning September 1 for soybeans; October 1 for soybean oil and soybean meal. 2/ Prices: soybeans, marketing year weighted average price received by farmers; oil, simple average of crude soybean oil, Decatur; meal, simple average of 48 percent protein, Decatur. 3/ Reflects only biodiesel made from methyl ester as reported by the U.S. Energy Information Administration. 4/ Based on an October year crush of 2,050 million bushels for 2017/18 and 2,060 million bushels for 2018/19. \*Planted and harvested acres are from the June 29, 2018 Acreage report. The yield is based on a weather-adjusted trend model.

## WASDE - 580 - 16

## U.S. Sugar Supply and Use 1/

|                     | 2016/17                            | 2017/18 Est. | 2018/19 Proj. | 2018/19 Proj. |
|---------------------|------------------------------------|--------------|---------------|---------------|
|                     |                                    |              | Jul           | Aug           |
|                     | <i>1,000 Short Tons, Raw Value</i> |              |               |               |
| Beginning Stocks    | 2,054                              | 1,876        | 2,011         | 2,103         |
| Production 2/       | 8,969                              | 9,258        | 8,776         | 9,088         |
| Beet Sugar          | 5,103                              | 5,241        | 5,036         | 5,107         |
| Cane Sugar          | 3,866                              | 4,017        | 3,740         | 3,981         |
| Florida             | 2,055                              | 1,983        | 2,000         | 2,050         |
| Hawaii              | 43                                 | 0            | 0             | 0             |
| Louisiana           | 1,628                              | 1,859        | 1,590         | 1,781         |
| Texas               | 140                                | 175          | 150           | 150           |
| Imports             | 3,244                              | 3,394        | 3,560         | 3,560         |
| TRQ 3/              | 1,611                              | 1,754        | 1,539         | 1,539         |
| Other Program 4/    | 419                                | 325          | 350           | 350           |
| Other 5/            | 1,213                              | 1,314        | 1,670         | 1,670         |
| Mexico              | 1,201                              | 1,269        | 1,655         | 1,655         |
| Total Supply        | 14,267                             | 14,528       | 14,347        | 14,751        |
| Exports             | 95                                 | 170          | 85            | 85            |
| Deliveries          | 12,258                             | 12,255       | 12,555        | 12,405        |
| Food 6/             | 12,102                             | 12,100       | 12,400        | 12,250        |
| Other 7/            | 156                                | 155          | 155           | 155           |
| Miscellaneous       | 38                                 | 0            | 0             | 0             |
| Total Use           | 12,391                             | 12,425       | 12,640        | 12,490        |
| Ending Stocks       | 1,876                              | 2,103        | 1,707         | 2,261         |
| Stocks to Use Ratio | 15.1                               | 16.9         | 13.5          | 18.1          |

1/ Fiscal years beginning Oct 1. Data and projections correspond to category components from "Sweetener Market Data" (SMD). 2/ Production projections for 2017/18 and 2018/19 are based on Crop Production and processor projections where appropriate. 3/ For 2017/18, WTO raw sugar TRQ shortfall (211) and for 2018/19 (99). 4/ Composed of sugar under the re-export and polyhydric alcohol programs. 5/ Imports from Mexico; and high-tier tariff sugar and syrups not otherwise specified -- for 2017/18 (45) and 2018/19 (15). 6/ After 2014/15, SMD deliveries for domestic human food use and for miscellaneous uses reported separately. 7/ Transfers accompanying deliveries for sugar-containing products to be exported (SCP) and polyhydric alcohol manufacture (POLY), and deliveries for livestock feed and ethanol. Total refiner license transfers for SCP and POLY inclusive of WASDE-reported deliveries: 2016/17 -- 389; estimated 2017/18 -- 254; projected 2018/19 -- 346.

## Mexico Sugar Supply and Use and High Fructose Corn Syrup Imports 1/

|       |               | Beginning Stocks                        | Production | Imports | Domestic 2/ | Exports | Ending Stocks |       |
|-------|---------------|---|------------|---------|-------------|---------|---------------|-------|
|       |               | <i>1,000 Metric Tons, Actual Weight</i> |            |         |             |         |               |       |
| Sugar | 2017/18 Est.  | Jul                                     | 1,002      | 6,009   | 190         | 4,727   | 1,228         | 1,247 |
|       |               | Aug                                     | 1,002      | 6,009   | 190         | 4,727   | 1,228         | 1,247 |
|       | 2018/19 Proj. | Jul                                     | 1,247      | 6,025   | 115         | 4,952   | 1,427         | 1,008 |
|       |               | Aug                                     | 1,247      | 6,025   | 115         | 4,952   | 1,427         | 1,008 |

1/ HFCS consumption by Mexico (1,000 metric tons, dry basis): Oct-Sep 2016/17 = 1,522, Estimated 2017/18 = 1,608; Oct - Jun 2016/17 = 1,119; Oct - Jun 2017/18 = 1,182; Projected 2018/19 = 1,608. Footnote source for estimate: Comite Nacional para el Desarrollo Sustentable de la Cana de Azucar. 2/Includes deliveries for consumption, Mexico's products export program (IMMEX), and Other Deliveries/Ending Year Statistical Adjustments. IMMEX: 2017/18 (390 est); 2018/19 (390). Other Deliveries/Ending Year Statistical Adjustments: 2017/18 (0), 2018/19 (0).



## WASDE - 580 - 17

## U.S. Cotton Supply and Use 1/

|                          | 2016/17 | 2017/18 Est.                   | 2018/19 Proj. | 2018/19 Proj. |
|--------------------------|---------|--------------------------------|---------------|---------------|
|                          |         |                                | Jul           | Aug           |
| Area                     |         |                                |               |               |
|                          |         | <i>Million Acres</i>           |               |               |
| Planted                  | 10.07   | 12.61                          | 13.52 **      | 13.52         |
| Harvested                | 9.51    | 11.10                          | 10.51 **      | 10.14         |
|                          |         | <i>Pounds</i>                  |               |               |
| Yield per Harvested Acre | 867     | 905                            | 845 **        | 911           |
|                          |         | <i>Million 480 Pound Bales</i> |               |               |
| Beginning Stocks         | 3.80    | 2.75                           | 4.00          | 4.40          |
| Production               | 17.17   | 20.92                          | 18.50         | 19.24         |
| Imports                  | 0.01    | 0.01                           | 0.01          | 0.01          |
| Supply, Total            | 20.98   | 23.68                          | 22.51         | 23.64         |
| Domestic Use             | 3.25    | 3.25                           | 3.40          | 3.40          |
| Exports, Total           | 14.92   | 15.85                          | 15.00         | 15.50         |
| Use, Total               | 18.17   | 19.10                          | 18.40         | 18.90         |
| Unaccounted 2/           | 0.06    | 0.18                           | 0.11          | 0.14          |
| Ending Stocks            | 2.75    | 4.40                           | 4.00          | 4.60          |
| Avg. Farm Price 3/       | 68.0    | 68.0                           | 68.00 - 82.00 | 70.00 - 80.00 |

Note: Reliability calculations at end of report. 1/ Upland and extra-long staple; marketing year beginning August 1. Totals may not add due to rounding. 2/ Reflects the difference between the previous season's supply less total use and ending stocks. 3/ Cents per pound for upland cotton. \*\*Planted area as reported in June 29, 2018 Acreage. Harvested area based on 10-year average abandonment by region, with the Southwest adjusted to 35 percent based on weather conditions. Yield based on 5-year average yields by region.

## WASDE - 580 - 18

World Wheat Supply and Use 1/  
(Million Metric Tons)

| 2016/17             | Beginning Stocks | Production | Imports | Domestic Feed | Domestic Total 2/ | Exports | Ending Stocks |
|---------------------|------------------|------------|---------|---------------|-------------------|---------|---------------|
| World 3/            | 244.22           | 751.99     | 179.10  | 146.90        | 739.03            | 183.27  | 257.19        |
| United States       | 26.55            | 62.83      | 3.21    | 4.37          | 31.86             | 28.60   | 32.13         |
| Total Foreign       | 217.67           | 689.16     | 175.89  | 142.53        | 707.16            | 154.67  | 225.06        |
| Major Exporters 4/  | 25.34            | 227.73     | 5.95    | 65.82         | 151.35            | 84.05   | 23.61         |
| Argentina           | 0.82             | 18.40      | 0.00    | 0.05          | 5.15              | 13.83   | 0.25          |
| Australia           | 3.85             | 31.82      | 0.14    | 4.00          | 7.45              | 22.64   | 5.72          |
| Canada              | 5.18             | 32.14      | 0.50    | 5.77          | 10.75             | 20.16   | 6.91          |
| European Union 5/   | 15.49            | 145.37     | 5.30    | 56.00         | 128.00            | 27.43   | 10.73         |
| Major Importers 6/  | 142.30           | 199.07     | 96.35   | 36.17         | 277.35            | 5.48    | 154.89        |
| Brazil              | 1.00             | 6.73       | 7.35    | 0.80          | 12.20             | 0.62    | 2.26          |
| China               | 97.04            | 128.85     | 4.41    | 16.50         | 118.50            | 0.75    | 111.05        |
| Sel. Mideast 7/     | 16.68            | 19.14      | 18.11   | 4.44          | 37.75             | 0.53    | 15.65         |
| N. Africa 8/        | 16.63            | 14.08      | 28.30   | 2.35          | 44.55             | 0.57    | 13.89         |
| Pakistan            | 3.82             | 25.63      | 0.00    | 0.80          | 24.50             | 0.60    | 4.35          |
| Southeast Asia 9/   | 5.19             | 0.00       | 26.91   | 9.89          | 25.47             | 1.02    | 5.61          |
| Selected Other      |                  |            |         |               |                   |         |               |
| India               | 14.54            | 87.00      | 5.90    | 4.70          | 97.12             | 0.52    | 9.80          |
| FSU-12              | 16.79            | 130.09     | 7.34    | 27.62         | 78.65             | 54.42   | 21.15         |
| Russia              | 5.61             | 72.53      | 0.50    | 17.00         | 40.00             | 27.81   | 10.83         |
| Kazakhstan          | 2.60             | 14.99      | 0.08    | 2.10          | 6.90              | 7.40    | 3.36          |
| Ukraine             | 3.35             | 26.79      | 0.04    | 3.60          | 10.30             | 18.11   | 1.77          |
| <b>2017/18 Est.</b> |                  |            |         |               |                   |         |               |
| World 3/            | 257.19           | 758.02     | 181.64  | 145.18        | 742.13            | 182.64  | 273.07        |
| United States       | 32.13            | 47.37      | 4.28    | 1.32          | 29.32             | 24.52   | 29.95         |
| Total Foreign       | 225.06           | 710.65     | 177.36  | 143.86        | 712.82            | 158.12  | 243.13        |
| Major Exporters 4/  | 23.61            | 220.98     | 6.21    | 66.25         | 152.53            | 72.60   | 25.67         |
| Argentina           | 0.25             | 18.00      | 0.01    | 0.05          | 5.55              | 12.00   | 0.70          |
| Australia           | 5.72             | 21.30      | 0.15    | 3.80          | 7.28              | 15.00   | 4.90          |
| Canada              | 6.91             | 30.00      | 0.45    | 4.40          | 9.30              | 22.10   | 5.96          |
| European Union 5/   | 10.73            | 151.68     | 5.60    | 58.00         | 130.40            | 23.50   | 14.12         |
| Major Importers 6/  | 154.89           | 202.68     | 94.81   | 32.45         | 278.09            | 6.59    | 167.70        |
| Brazil              | 2.26             | 4.26       | 7.00    | 0.50          | 12.00             | 0.25    | 1.27          |
| China               | 111.05           | 129.77     | 4.00    | 13.50         | 117.00            | 1.00    | 126.82        |
| Sel. Mideast 7/     | 15.65            | 18.33      | 18.38   | 5.11          | 38.95             | 0.79    | 12.62         |
| N. Africa 8/        | 13.89            | 19.25      | 27.53   | 2.25          | 45.25             | 0.84    | 14.58         |
| Pakistan            | 4.35             | 26.67      | 0.01    | 1.00          | 25.00             | 1.20    | 4.83          |
| Southeast Asia 9/   | 5.61             | 0.00       | 26.60   | 9.04          | 25.69             | 1.05    | 5.47          |
| Selected Other      |                  |            |         |               |                   |         |               |
| India               | 9.80             | 98.51      | 1.17    | 5.00          | 95.83             | 0.44    | 13.20         |
| FSU-12              | 21.15            | 142.22     | 8.22    | 32.31         | 83.96             | 69.11   | 18.52         |
| Russia              | 10.83            | 84.99      | 0.40    | 21.50         | 45.00             | 42.00   | 9.22          |
| Kazakhstan          | 3.36             | 14.80      | 0.06    | 2.10          | 6.90              | 8.50    | 2.83          |
| Ukraine             | 1.77             | 26.98      | 0.06    | 3.40          | 9.90              | 17.50   | 1.41          |

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Australia, Canada, and the European Union. 5/ Trade excludes intra-trade. 6/ Brazil, China, Japan, Mexico, N. Africa, Pakistan, selected Middle East, and Southeast Asia. 7/ Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman. 8/ Algeria, Egypt, Libya, Morocco, and Tunisia. 9/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 580 - 19

**World Wheat Supply and Use 1/ (Cont'd.)**  
**(Million Metric Tons)**

| <b>2018/19 Proj.</b> |     | Beginning<br>Stocks | Production | Imports | Domestic<br>Feed | Domestic<br>Total 2/ | Exports | Ending<br>Stocks |
|----------------------|-----|---------------------|------------|---------|------------------|----------------------|---------|------------------|
| World 3/             | Jul | 273.50              | 736.26     | 182.69  | 142.33           | 748.87               | 185.45  | 260.88           |
|                      | Aug | 273.07              | 729.63     | 181.68  | 138.45           | 743.74               | 183.87  | 258.96           |
| United States        | Jul | 29.95               | 51.21      | 3.67    | 3.54             | 31.49                | 26.54   | 26.80            |
|                      | Aug | 29.95               | 51.08      | 3.67    | 3.27             | 31.35                | 27.90   | 25.45            |
| Total Foreign        | Jul | 243.55              | 685.05     | 179.01  | 138.80           | 717.39               | 158.92  | 234.08           |
|                      | Aug | 243.13              | 678.55     | 178.01  | 135.19           | 712.39               | 155.97  | 233.51           |
| Major Exporters 4/   | Jul | 25.59               | 219.00     | 6.16    | 63.20            | 149.90               | 82.20   | 18.65            |
|                      | Aug | 25.67               | 211.50     | 6.11    | 61.10            | 147.20               | 77.70   | 18.38            |
| Argentina            | Jul | 0.70                | 19.50      | 0.01    | 0.10             | 5.70                 | 14.20   | 0.31             |
|                      | Aug | 0.70                | 19.50      | 0.01    | 0.10             | 5.70                 | 14.20   | 0.31             |
| Australia            | Jul | 4.90                | 22.00      | 0.15    | 4.60             | 8.10                 | 16.00   | 2.95             |
|                      | Aug | 4.90                | 22.00      | 0.15    | 4.60             | 8.10                 | 16.00   | 2.95             |
| Canada               | Jul | 5.61                | 32.50      | 0.50    | 4.00             | 9.10                 | 24.50   | 5.01             |
|                      | Aug | 5.96                | 32.50      | 0.45    | 4.40             | 9.40                 | 24.50   | 5.01             |
| European Union 5/    | Jul | 14.39               | 145.00     | 5.50    | 54.50            | 127.00               | 27.50   | 10.39            |
|                      | Aug | 14.12               | 137.50     | 5.50    | 52.00            | 124.00               | 23.00   | 10.12            |
| Major Importers 6/   | Jul | 167.49              | 202.02     | 95.77   | 35.62            | 285.04               | 6.43    | 173.81           |
|                      | Aug | 167.70              | 202.62     | 95.22   | 35.25            | 284.92               | 6.86    | 173.77           |
| Brazil               | Jul | 1.27                | 4.90       | 7.50    | 0.60             | 12.20                | 0.30    | 1.17             |
|                      | Aug | 1.27                | 4.70       | 7.50    | 0.50             | 12.10                | 0.30    | 1.07             |
| China                | Jul | 126.82              | 128.00     | 4.50    | 17.00            | 122.00               | 1.20    | 136.12           |
|                      | Aug | 126.82              | 128.00     | 4.50    | 17.00            | 122.00               | 1.20    | 136.12           |
| Sel. Mideast 7/      | Jul | 12.67               | 18.86      | 18.59   | 4.83             | 39.12                | 1.14    | 9.86             |
|                      | Aug | 12.62               | 18.86      | 18.46   | 4.81             | 39.08                | 1.14    | 9.73             |
| N. Africa 8/         | Jul | 14.40               | 21.10      | 26.28   | 2.25             | 45.88                | 0.69    | 15.22            |
|                      | Aug | 14.58               | 21.10      | 25.95   | 2.25             | 45.95                | 0.69    | 14.99            |
| Pakistan             | Jul | 4.83                | 25.50      | 0.01    | 1.20             | 25.30                | 1.00    | 4.04             |
|                      | Aug | 4.83                | 26.30      | 0.01    | 1.20             | 25.30                | 1.20    | 4.64             |
| Southeast Asia 9/    | Jul | 5.29                | 0.00       | 27.50   | 8.79             | 26.24                | 1.04    | 5.51             |
|                      | Aug | 5.47                | 0.00       | 27.40   | 8.54             | 26.29                | 1.07    | 5.51             |
| Selected Other       |     |                     |            |         |                  |                      |         |                  |
| India                | Jul | 13.20               | 97.00      | 0.50    | 5.00             | 98.00                | 0.40    | 12.30            |
|                      | Aug | 13.20               | 97.00      | 0.50    | 5.00             | 98.00                | 0.40    | 12.30            |
| FSU-12               | Jul | 19.38               | 121.24     | 8.88    | 27.51            | 77.89                | 60.03   | 11.58            |
|                      | Aug | 18.52               | 122.54     | 8.91    | 26.36            | 76.64                | 61.03   | 12.31            |
| Russia               | Jul | 10.22               | 67.00      | 0.60    | 17.00            | 39.00                | 34.00   | 4.82             |
|                      | Aug | 9.22                | 68.00      | 0.60    | 16.00            | 38.00                | 35.00   | 4.82             |
| Kazakhstan           | Jul | 2.83                | 14.00      | 0.06    | 1.90             | 6.70                 | 8.50    | 1.69             |
|                      | Aug | 2.83                | 14.50      | 0.06    | 2.00             | 6.80                 | 8.50    | 2.09             |
| Ukraine              | Jul | 1.40                | 25.50      | 0.03    | 3.20             | 9.40                 | 16.50   | 1.03             |
|                      | Aug | 1.41                | 25.50      | 0.03    | 3.00             | 9.20                 | 16.50   | 1.24             |

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Australia, Canada, and the European Union. 5/ Trade excludes intra-trade. 6/ Brazil, China, Japan, Mexico, N. Africa, Pakistan, selected Middle East, and Southeast Asia. 7/ Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman. 8/ Algeria, Egypt, Libya, Morocco, and Tunisia. 9/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 580 - 20

**World Coarse Grain Supply and Use 1/  
(Million Metric Tons)**

| <b>2016/17</b>      | Beginning<br>Stocks | Production | Imports | Domestic<br>Feed | Domestic<br>Total 2/ | Exports | Ending<br>Stocks |
|---------------------|---------------------|------------|---------|------------------|----------------------|---------|------------------|
| World 3/            | 248.17              | 1,369.92   | 172.76  | 800.53           | 1,355.94             | 198.57  | 262.16           |
| United States       | 48.11               | 402.61     | 3.43    | 144.75           | 327.53               | 64.46   | 62.17            |
| Total Foreign       | 200.06              | 967.31     | 169.33  | 655.78           | 1,028.41             | 134.11  | 200.00           |
| Major Exporters 4/  | 18.09               | 212.15     | 2.50    | 90.19            | 121.41               | 77.85   | 33.47            |
| Argentina           | 3.28                | 48.57      | 0.01    | 10.77            | 16.04                | 29.11   | 6.71             |
| Australia           | 1.50                | 17.27      | 0.00    | 4.22             | 6.09                 | 10.00   | 2.68             |
| Brazil              | 7.01                | 101.58     | 1.55    | 53.45            | 64.03                | 31.61   | 14.49            |
| Canada              | 4.97                | 26.62      | 0.79    | 14.22            | 21.94                | 4.85    | 5.60             |
| Major Importers 5/  | 45.10               | 241.15     | 120.77  | 275.39           | 357.99               | 11.05   | 37.99            |
| European Union 6/   | 15.57               | 152.95     | 15.61   | 119.87           | 160.84               | 8.09    | 15.20            |
| Japan               | 1.76                | 0.17       | 17.00   | 13.25            | 17.25                | 0.00    | 1.68             |
| Mexico              | 5.89                | 33.26      | 15.24   | 27.95            | 46.85                | 1.54    | 6.01             |
| N. Afr & Mideast 7/ | 10.51               | 24.90      | 34.15   | 54.79            | 62.59                | 0.16    | 6.81             |
| Saudi Arabia        | 4.40                | 0.25       | 11.53   | 13.22            | 13.62                | 0.00    | 2.56             |
| Southeast Asia 8/   | 4.37                | 29.35      | 13.67   | 34.96            | 42.93                | 1.27    | 3.19             |
| South Korea         | 1.95                | 0.20       | 9.32    | 7.25             | 9.62                 | 0.00    | 1.85             |
| Selected Other      |                     |            |         |                  |                      |         |                  |
| China               | 112.09              | 226.87     | 16.06   | 173.90           | 252.95               | 0.11    | 101.95           |
| FSU-12              | 6.25                | 92.74      | 0.77    | 41.04            | 56.36                | 36.59   | 6.80             |
| Russia              | 1.67                | 40.77      | 0.28    | 22.48            | 32.08                | 8.56    | 2.08             |
| Ukraine             | 3.17                | 39.22      | 0.04    | 9.06             | 12.53                | 26.90   | 3.00             |
| <b>2017/18 Est.</b> |                     |            |         |                  |                      |         |                  |
| World 3/            | 262.16              | 1,314.47   | 183.88  | 814.18           | 1,353.93             | 186.15  | 222.70           |
| United States       | 62.17               | 384.26     | 3.03    | 141.96           | 327.71               | 66.45   | 55.30            |
| Total Foreign       | 200.00              | 930.22     | 180.85  | 672.23           | 1,026.22             | 119.70  | 167.41           |
| Major Exporters 4/  | 33.47               | 178.49     | 2.79    | 92.14            | 124.12               | 66.02   | 24.61            |
| Argentina           | 6.71                | 40.33      | 0.01    | 9.89             | 15.32                | 27.11   | 4.62             |
| Australia           | 2.68                | 11.91      | 0.00    | 3.29             | 5.16                 | 7.77    | 1.66             |
| Brazil              | 14.49               | 85.79      | 1.05    | 57.01            | 67.46                | 23.01   | 10.86            |
| Canada              | 5.60                | 26.21      | 1.58    | 15.49            | 23.25                | 5.83    | 4.31             |
| Major Importers 5/  | 37.99               | 245.13     | 130.34  | 282.55           | 366.33               | 10.39   | 36.75            |
| European Union 6/   | 15.20               | 152.97     | 17.92   | 120.80           | 162.32               | 7.98    | 15.79            |
| Japan               | 1.68                | 0.19       | 17.07   | 13.31            | 17.30                | 0.00    | 1.64             |
| Mexico              | 6.01                | 32.51      | 16.45   | 29.30            | 48.31                | 1.30    | 5.36             |
| N. Afr & Mideast 7/ | 6.81                | 29.41      | 38.23   | 58.90            | 66.90                | 0.16    | 7.39             |
| Saudi Arabia        | 2.56                | 0.36       | 12.10   | 12.64            | 13.20                | 0.00    | 1.82             |
| Southeast Asia 8/   | 3.19                | 29.43      | 14.38   | 35.85            | 43.82                | 0.95    | 2.22             |
| South Korea         | 1.85                | 0.20       | 10.00   | 7.61             | 10.13                | 0.00    | 1.92             |
| Selected Other      |                     |            |         |                  |                      |         |                  |
| China               | 101.95              | 223.39     | 17.00   | 179.22           | 262.08               | 0.08    | 80.18            |
| FSU-12              | 6.80                | 88.80      | 0.69    | 39.42            | 54.48                | 35.94   | 5.87             |
| Russia              | 2.08                | 41.71      | 0.11    | 21.87            | 31.32                | 10.99   | 1.60             |
| Ukraine             | 3.00                | 34.07      | 0.03    | 8.02             | 11.40                | 23.00   | 2.70             |

1/ Aggregate of local marketing years. Coarse grains include corn, sorghum, barley, oats, rye, millet, and mixed grains (for U.S. excludes millet and mixed grains). 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Australia, Canada, Brazil, and South Africa. 5/ The European Union, Mexico, Japan, selected North Africa and Middle East, South Korea, Southeast Asia, and Taiwan. 6/ Trade excludes intra-trade. 7/ Algeria, Egypt, Iran, Israel, Jordan, Libya, Morocco, Syria, Tunisia, and Turkey. 8/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 580 - 21

**World Coarse Grain Supply and Use 1/ (Cont'd.)**  
**(Million Metric Tons)**

| <b>2018/19 Proj.</b> |     | <b>Beginning<br/>Stocks</b> | <b>Production</b> | <b>Imports</b> | <b>Domestic<br/>Feed</b> | <b>Domestic<br/>Total 2/</b> | <b>Exports</b> | <b>Ending<br/>Stocks</b> |
|----------------------|-----|-----------------------------|-------------------|----------------|--------------------------|------------------------------|----------------|--------------------------|
| World 3/             | Jul | 221.01                      | 1,336.91          | 188.98         | 827.99                   | 1,378.12                     | 195.87         | 179.79                   |
|                      | Aug | 222.70                      | 1,342.13          | 190.02         | 830.83                   | 1,381.73                     | 197.87         | 183.11                   |
| United States        | Jul | 55.04                       | 375.09            | 3.55           | 141.70                   | 329.58                       | 61.11          | 43.00                    |
|                      | Aug | 55.30                       | 384.67            | 3.55           | 144.24                   | 332.75                       | 64.28          | 46.47                    |
| Total Foreign        | Jul | 165.96                      | 961.82            | 185.43         | 686.29                   | 1,048.55                     | 134.76         | 136.80                   |
|                      | Aug | 167.41                      | 957.47            | 186.48         | 686.59                   | 1,048.97                     | 133.59         | 136.64                   |
| Major Exporters 4/   | Jul | 23.32                       | 202.24            | 2.00           | 93.43                    | 126.43                       | 77.20          | 23.93                    |
|                      | Aug | 24.61                       | 200.27            | 2.00           | 94.48                    | 127.48                       | 75.02          | 24.38                    |
| Argentina            | Jul | 4.62                        | 48.85             | 0.01           | 10.90                    | 16.55                        | 30.31          | 6.62                     |
|                      | Aug | 4.62                        | 48.85             | 0.01           | 10.90                    | 16.55                        | 30.31          | 6.62                     |
| Australia            | Jul | 1.66                        | 12.35             | 0.00           | 2.74                     | 4.59                         | 8.27           | 1.16                     |
|                      | Aug | 1.66                        | 12.35             | 0.00           | 2.74                     | 4.59                         | 8.27           | 1.16                     |
| Brazil               | Jul | 9.36                        | 98.96             | 1.25           | 57.54                    | 68.99                        | 31.02          | 9.56                     |
|                      | Aug | 10.86                       | 97.49             | 1.25           | 58.59                    | 70.04                        | 29.02          | 10.54                    |
| Canada               | Jul | 4.53                        | 27.53             | 0.61           | 15.58                    | 23.04                        | 5.40           | 4.23                     |
|                      | Aug | 4.31                        | 27.53             | 0.61           | 15.58                    | 23.04                        | 5.42           | 3.99                     |
| Major Importers 5/   | Jul | 36.22                       | 246.81            | 134.21         | 291.82                   | 375.83                       | 11.22          | 30.19                    |
|                      | Aug | 36.75                       | 242.58            | 135.63         | 291.01                   | 374.42                       | 10.42          | 30.12                    |
| European Union 6/    | Jul | 14.97                       | 154.66            | 16.56          | 122.70                   | 164.37                       | 8.76           | 13.06                    |
|                      | Aug | 15.79                       | 150.43            | 18.86          | 123.25                   | 164.32                       | 7.96           | 12.80                    |
| Japan                | Jul | 1.63                        | 0.19              | 16.87          | 13.42                    | 17.41                        | 0.00           | 1.27                     |
|                      | Aug | 1.64                        | 0.19              | 16.87          | 13.42                    | 17.41                        | 0.00           | 1.28                     |
| Mexico               | Jul | 5.35                        | 31.89             | 18.31          | 31.62                    | 50.84                        | 1.50           | 3.21                     |
|                      | Aug | 5.36                        | 31.89             | 18.31          | 31.62                    | 50.84                        | 1.50           | 3.22                     |
| N. Afr & Mideast 7/  | Jul | 7.44                        | 30.07             | 38.61          | 60.90                    | 68.86                        | 0.20           | 7.06                     |
|                      | Aug | 7.39                        | 30.07             | 38.24          | 60.74                    | 68.70                        | 0.20           | 6.80                     |
| Saudi Arabia         | Jul | 1.82                        | 0.34              | 13.21          | 13.75                    | 14.28                        | 0.00           | 1.10                     |
|                      | Aug | 1.82                        | 0.34              | 13.21          | 13.35                    | 13.88                        | 0.00           | 1.50                     |
| Southeast Asia 8/    | Jul | 2.51                        | 29.39             | 16.16          | 37.18                    | 45.11                        | 0.77           | 2.18                     |
|                      | Aug | 2.22                        | 29.39             | 15.66          | 36.38                    | 44.31                        | 0.77           | 2.20                     |
| South Korea          | Jul | 1.92                        | 0.20              | 10.39          | 8.11                     | 10.62                        | 0.00           | 1.89                     |
|                      | Aug | 1.92                        | 0.20              | 10.39          | 8.11                     | 10.62                        | 0.00           | 1.89                     |
| Selected Other       |     |                             |                   |                |                          |                              |                |                          |
| China                | Jul | 80.38                       | 232.81            | 16.90          | 184.35                   | 270.43                       | 0.07           | 59.59                    |
|                      | Aug | 80.18                       | 232.81            | 16.90          | 184.35                   | 270.43                       | 0.07           | 59.39                    |
| FSU-12               | Jul | 6.08                        | 88.07             | 0.70           | 36.50                    | 50.99                        | 38.50          | 5.36                     |
|                      | Aug | 5.87                        | 89.67             | 0.72           | 36.61                    | 50.98                        | 40.03          | 5.24                     |
| Russia               | Jul | 1.82                        | 36.43             | 0.16           | 19.18                    | 28.23                        | 8.86           | 1.32                     |
|                      | Aug | 1.60                        | 35.98             | 0.18           | 18.88                    | 27.83                        | 8.84           | 1.09                     |
| Ukraine              | Jul | 2.69                        | 38.25             | 0.04           | 7.28                     | 10.49                        | 27.71          | 2.77                     |
|                      | Aug | 2.70                        | 40.10             | 0.04           | 7.70                     | 10.89                        | 29.16          | 2.78                     |

1/ Aggregate of local marketing years. Coarse grains include corn, sorghum, barley, oats, rye, millet, and mixed grains (for U.S. excludes millet and mixed grains). 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Australia, Canada, Brazil, and South Africa. 5/ The European Union, Mexico, Japan, selected North Africa and Middle East, South Korea, Southeast Asia, and Taiwan. 6/ Trade excludes intra-trade. 7/ Algeria, Egypt, Iran, Israel, Jordan, Libya, Morocco, Syria, Tunisia, and Turkey. 8/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 580 - 22

**World Corn Supply and Use 1/  
(Million Metric Tons)**

| <b>2016/17</b>      | Beginning<br>Stocks | Production | Imports | Domestic<br>Feed | Domestic<br>Total 2/ | Exports | Ending<br>Stocks |
|---------------------|---------------------|------------|---------|------------------|----------------------|---------|------------------|
| World 3/            | 210.07              | 1,078.56   | 135.49  | 633.24           | 1,060.80             | 159.96  | 227.83           |
| United States       | 44.12               | 384.78     | 1.45    | 138.95           | 313.83               | 58.27   | 58.25            |
| Total Foreign       | 165.94              | 693.78     | 134.04  | 494.29           | 746.97               | 101.69  | 169.58           |
| Major Exporters 4/  | 9.32                | 157.05     | 0.87    | 65.96            | 84.36                | 59.88   | 23.00            |
| Argentina           | 1.46                | 41.00      | 0.01    | 7.50             | 11.20                | 25.99   | 5.28             |
| Brazil              | 6.77                | 98.50      | 0.85    | 51.00            | 60.50                | 31.60   | 14.02            |
| South Africa        | 1.10                | 17.55      | 0.00    | 7.46             | 12.66                | 2.29    | 3.70             |
| Major Importers 5/  | 22.45               | 124.91     | 80.41   | 147.96           | 201.01               | 5.00    | 21.75            |
| Egypt               | 2.22                | 6.00       | 8.77    | 12.70            | 15.10                | 0.01    | 1.89             |
| European Union 6/   | 6.71                | 61.89      | 15.02   | 55.00            | 74.00                | 2.19    | 7.44             |
| Japan               | 1.35                | 0.00       | 15.17   | 11.60            | 15.20                | 0.00    | 1.32             |
| Mexico              | 5.21                | 27.58      | 14.57   | 22.50            | 40.40                | 1.54    | 5.42             |
| Southeast Asia 7/   | 4.36                | 29.30      | 13.48   | 34.90            | 42.70                | 1.26    | 3.18             |
| South Korea         | 1.94                | 0.08       | 9.23    | 7.21             | 9.41                 | 0.00    | 1.83             |
| Selected Other      |                     |            |         |                  |                      |         | 0.00             |
| Canada              | 2.45                | 13.89      | 0.71    | 7.50             | 12.96                | 1.52    | 2.57             |
| China               | 110.77              | 219.55     | 2.46    | 162.00           | 232.00               | 0.08    | 100.71           |
| FSU-12              | 2.60                | 47.79      | 0.35    | 17.67            | 20.51                | 27.15   | 3.08             |
| Ukraine             | 1.39                | 27.97      | 0.03    | 5.10             | 6.50                 | 21.33   | 1.55             |
| <b>2017/18 Est.</b> |                     |            |         |                  |                      |         |                  |
| World 3/            | 227.83              | 1,033.30   | 146.26  | 650.69           | 1,067.80             | 147.50  | 193.33           |
| United States       | 58.25               | 370.96     | 1.02    | 138.44           | 317.77               | 60.96   | 51.50            |
| Total Foreign       | 169.58              | 662.34     | 145.25  | 512.25           | 750.03               | 86.53   | 141.83           |
| Major Exporters 4/  | 23.00               | 129.80     | 0.51    | 67.90            | 87.10                | 49.30   | 16.90            |
| Argentina           | 5.28                | 33.00      | 0.01    | 7.00             | 10.80                | 24.00   | 3.49             |
| Brazil              | 14.02               | 83.00      | 0.50    | 54.50            | 64.00                | 23.00   | 10.52            |
| South Africa        | 3.70                | 13.80      | 0.00    | 6.40             | 12.30                | 2.30    | 2.90             |
| Major Importers 5/  | 21.75               | 125.00     | 85.80   | 153.60           | 207.45               | 4.26    | 20.85            |
| Egypt               | 1.89                | 6.40       | 9.40    | 13.40            | 15.90                | 0.01    | 1.78             |
| European Union 6/   | 7.44                | 62.28      | 17.00   | 57.00            | 76.50                | 2.00    | 8.21             |
| Japan               | 1.32                | 0.00       | 15.20   | 11.60            | 15.20                | 0.00    | 1.32             |
| Mexico              | 5.42                | 26.80      | 16.20   | 24.30            | 42.30                | 1.30    | 4.82             |
| Southeast Asia 7/   | 3.18                | 29.38      | 14.10   | 35.70            | 43.50                | 0.95    | 2.21             |
| South Korea         | 1.83                | 0.08       | 9.80    | 7.50             | 9.80                 | 0.00    | 1.91             |
| Selected Other      |                     |            |         |                  |                      |         | 0.00             |
| Canada              | 2.57                | 14.10      | 1.50    | 8.40             | 14.00                | 1.80    | 2.37             |
| China               | 100.71              | 215.89     | 4.00    | 167.00           | 241.00               | 0.05    | 79.55            |
| FSU-12              | 3.08                | 42.07      | 0.44    | 16.05            | 18.75                | 24.26   | 2.58             |
| Ukraine             | 1.55                | 24.12      | 0.03    | 4.50             | 5.80                 | 18.50   | 1.39             |

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Brazil, and South Africa. 5/ Egypt, the European Union, Mexico, Japan, South Korea, Taiwan, and Southeast Asia. 6/ Trade excludes intra-trade. 7/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 580 - 23

**World Corn Supply and Use 1/ (Cont'd.)**  
**(Million Metric Tons)**

| <b>2018/19 Proj.</b> |     | <b>Beginning<br/>Stocks</b> | <b>Production</b> | <b>Imports</b> | <b>Domestic<br/>Feed</b> | <b>Domestic<br/>Total 2/</b> | <b>Exports</b> | <b>Ending<br/>Stocks</b> |
|----------------------|-----|-----------------------------|-------------------|----------------|--------------------------|------------------------------|----------------|--------------------------|
| World 3/             | Jul | 191.73                      | 1,054.30          | 151.22         | 666.66                   | 1,094.08                     | 157.79         | 151.96                   |
|                      | Aug | 193.33                      | 1,061.05          | 152.32         | 671.40                   | 1,098.89                     | 159.61         | 155.49                   |
| United States        | Jul | 51.50                       | 361.46            | 1.27           | 137.80                   | 318.28                       | 56.52          | 39.43                    |
|                      | Aug | 51.50                       | 370.51            | 1.27           | 140.34                   | 320.82                       | 59.69          | 42.77                    |
| Total Foreign        | Jul | 140.23                      | 692.85            | 149.95         | 528.86                   | 775.80                       | 101.27         | 112.52                   |
|                      | Aug | 141.83                      | 690.54            | 151.05         | 531.06                   | 778.08                       | 99.92          | 112.72                   |
| Major Exporters 4/   | Jul | 15.41                       | 151.00            | 0.71           | 69.60                    | 90.10                        | 60.20          | 16.81                    |
|                      | Aug | 16.90                       | 149.00            | 0.71           | 70.60                    | 91.10                        | 58.00          | 17.51                    |
| Argentina            | Jul | 3.49                        | 41.00             | 0.01           | 8.00                     | 12.00                        | 27.00          | 5.49                     |
|                      | Aug | 3.49                        | 41.00             | 0.01           | 8.00                     | 12.00                        | 27.00          | 5.49                     |
| Brazil               | Jul | 9.02                        | 96.00             | 0.70           | 55.00                    | 65.50                        | 31.00          | 9.22                     |
|                      | Aug | 10.52                       | 94.50             | 0.70           | 56.00                    | 66.50                        | 29.00          | 10.22                    |
| South Africa         | Jul | 2.90                        | 14.00             | 0.00           | 6.60                     | 12.60                        | 2.20           | 2.10                     |
|                      | Aug | 2.90                        | 13.50             | 0.00           | 6.60                     | 12.60                        | 2.00           | 1.80                     |
| Major Importers 5/   | Jul | 20.42                       | 123.39            | 86.60          | 157.40                   | 211.55                       | 3.77           | 15.10                    |
|                      | Aug | 20.85                       | 121.69            | 88.10          | 158.10                   | 211.75                       | 3.77           | 15.12                    |
| Egypt                | Jul | 1.78                        | 6.40              | 9.70           | 13.60                    | 16.10                        | 0.01           | 1.77                     |
|                      | Aug | 1.78                        | 6.40              | 9.70           | 13.60                    | 16.10                        | 0.01           | 1.77                     |
| European Union 6/    | Jul | 7.50                        | 61.50             | 16.00          | 58.50                    | 78.00                        | 1.50           | 5.50                     |
|                      | Aug | 8.21                        | 59.80             | 18.00          | 60.00                    | 79.00                        | 1.50           | 5.51                     |
| Japan                | Jul | 1.32                        | 0.00              | 14.50          | 11.20                    | 14.80                        | 0.00           | 1.02                     |
|                      | Aug | 1.32                        | 0.00              | 14.50          | 11.20                    | 14.80                        | 0.00           | 1.02                     |
| Mexico               | Jul | 4.82                        | 26.00             | 16.20          | 25.00                    | 43.20                        | 1.50           | 2.32                     |
|                      | Aug | 4.82                        | 26.00             | 16.20          | 25.00                    | 43.20                        | 1.50           | 2.32                     |
| Southeast Asia 7/    | Jul | 2.50                        | 29.34             | 16.00          | 37.00                    | 44.90                        | 0.76           | 2.17                     |
|                      | Aug | 2.21                        | 29.34             | 15.50          | 36.20                    | 44.10                        | 0.76           | 2.19                     |
| South Korea          | Jul | 1.91                        | 0.08              | 10.20          | 8.00                     | 10.30                        | 0.00           | 1.88                     |
|                      | Aug | 1.91                        | 0.08              | 10.20          | 8.00                     | 10.30                        | 0.00           | 1.88                     |
| Selected Other       |     |                             |                   |                |                          |                              |                |                          |
| Canada               | Jul | 2.57                        | 14.80             | 0.50           | 8.50                     | 13.90                        | 1.55           | 2.42                     |
|                      | Aug | 2.37                        | 14.80             | 0.50           | 8.50                     | 13.90                        | 1.55           | 2.22                     |
| China                | Jul | 79.55                       | 225.00            | 5.00           | 174.00                   | 251.00                       | 0.05           | 58.50                    |
|                      | Aug | 79.55                       | 225.00            | 5.00           | 174.00                   | 251.00                       | 0.05           | 58.50                    |
| FSU-12               | Jul | 2.75                        | 46.50             | 0.39           | 15.84                    | 18.54                        | 28.35          | 2.75                     |
|                      | Aug | 2.58                        | 47.70             | 0.39           | 16.34                    | 19.04                        | 28.95          | 2.68                     |
| Ukraine              | Jul | 1.39                        | 30.00             | 0.03           | 4.50                     | 5.80                         | 24.00          | 1.61                     |
|                      | Aug | 1.39                        | 31.00             | 0.03           | 5.00                     | 6.30                         | 24.50          | 1.61                     |

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. 3/ World imports and exports may not balance due to differences in marketing years, grain in transit, and reporting discrepancies in some countries. 4/ Argentina, Brazil, and South Africa. 5/ Egypt, the European Union, Mexico, Japan, South Korea, Taiwan, and Southeast Asia. 6/ Trade excludes intra-trade. 7/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 580 - 24

**World Rice Supply and Use (Milled Basis) 1/  
(Million Metric Tons)**

| <b>2016/17</b>     | Beginning Stocks | Production | Imports | Total /2 Domestic | Exports | Ending Stocks |
|--------------------|------------------|------------|---------|-------------------|---------|---------------|
| World 3/           | 132.82           | 486.71     | 41.29   | 482.76            | 47.21   | 136.77        |
| United States      | 1.48             | 7.12       | 0.75    | 4.23              | 3.65    | 1.46          |
| Total Foreign      | 131.35           | 479.60     | 40.54   | 478.53            | 43.57   | 135.31        |
| Major Exporters 4/ | 29.48            | 163.15     | 0.76    | 132.88            | 33.39   | 27.12         |
| India              | 18.40            | 109.70     | 0.00    | 95.78             | 11.77   | 20.55         |
| Pakistan           | 1.12             | 6.85       | 0.01    | 3.10              | 3.52    | 1.37          |
| Thailand           | 8.40             | 19.20      | 0.25    | 12.00             | 11.62   | 4.24          |
| Vietnam            | 1.56             | 27.40      | 0.50    | 22.00             | 6.49    | 0.97          |
| Major Importers 5/ | 10.02            | 65.90      | 11.90   | 77.61             | 1.18    | 9.04          |
| Brazil             | 0.31             | 8.38       | 0.61    | 8.00              | 0.83    | 0.48          |
| European Union 6/  | 1.18             | 2.08       | 1.84    | 3.60              | 0.32    | 1.18          |
| Indonesia          | 3.51             | 36.86      | 0.35    | 37.80             | 0.00    | 2.92          |
| Nigeria            | 1.53             | 3.78       | 2.50    | 6.55              | 0.00    | 1.26          |
| Philippines        | 2.12             | 11.69      | 1.10    | 12.90             | 0.00    | 2.00          |
| Sel. Mideast 7/    | 0.86             | 1.78       | 3.87    | 5.63              | 0.00    | 0.88          |
| Selected Other     |                  |            |         |                   |         | 0.00          |
| Burma              | 1.24             | 12.65      | 0.01    | 10.00             | 3.35    | 0.55          |
| C. Amer & Carib 8/ | 0.52             | 1.67       | 1.77    | 3.36              | 0.04    | 0.56          |
| China              | 78.50            | 144.95     | 5.30    | 141.45            | 0.81    | 86.50         |
| Egypt              | 0.92             | 4.80       | 0.10    | 4.30              | 0.10    | 1.43          |
| Japan              | 2.55             | 7.78       | 0.71    | 8.50              | 0.05    | 2.49          |
| Mexico             | 0.13             | 0.18       | 0.87    | 0.92              | 0.09    | 0.17          |
| South Korea        | 1.83             | 4.20       | 0.41    | 4.65              | 0.00    | 1.78          |

**2017/18 Est.**

|                    |        |        |       |        |       |        |
|--------------------|--------|--------|-------|--------|-------|--------|
| World 3/           | 136.77 | 488.54 | 48.06 | 481.50 | 48.25 | 143.82 |
| United States      | 1.46   | 5.66   | 0.86  | 4.13   | 2.75  | 1.10   |
| Total Foreign      | 135.31 | 482.88 | 47.20 | 477.37 | 45.51 | 142.71 |
| Major Exporters 4/ | 27.12  | 166.81 | 0.65  | 133.82 | 34.60 | 26.17  |
| India              | 20.55  | 110.00 | 0.00  | 97.35  | 12.80 | 20.40  |
| Pakistan           | 1.37   | 7.50   | 0.00  | 3.20   | 4.30  | 1.37   |
| Thailand           | 4.24   | 20.37  | 0.25  | 11.17  | 10.50 | 3.19   |
| Vietnam            | 0.97   | 28.94  | 0.40  | 22.10  | 7.00  | 1.21   |
| Major Importers 5/ | 9.04   | 66.50  | 13.95 | 78.47  | 1.24  | 9.76   |
| Brazil             | 0.48   | 8.08   | 0.70  | 8.03   | 0.85  | 0.38   |
| European Union 6/  | 1.18   | 2.04   | 1.90  | 3.65   | 0.36  | 1.11   |
| Indonesia          | 2.92   | 37.00  | 2.00  | 38.00  | 0.00  | 3.91   |
| Nigeria            | 1.26   | 3.78   | 2.60  | 6.70   | 0.00  | 0.94   |
| Philippines        | 2.00   | 12.30  | 1.20  | 13.10  | 0.00  | 2.40   |
| Sel. Mideast 7/    | 0.88   | 1.93   | 3.70  | 5.75   | 0.00  | 0.76   |
| Selected Other     |        |        |       |        |       | 0.00   |
| Burma              | 0.55   | 13.20  | 0.01  | 9.90   | 3.30  | 0.56   |
| C. Amer & Carib 8/ | 0.56   | 1.67   | 1.74  | 3.33   | 0.04  | 0.60   |
| China              | 86.50  | 145.99 | 5.50  | 142.70 | 1.30  | 93.99  |
| Egypt              | 1.43   | 4.30   | 0.05  | 4.40   | 0.05  | 1.33   |
| Japan              | 2.49   | 7.59   | 0.69  | 8.45   | 0.05  | 2.26   |
| Mexico             | 0.17   | 0.18   | 0.85  | 0.92   | 0.10  | 0.19   |
| South Korea        | 1.78   | 3.97   | 0.41  | 4.88   | 0.06  | 1.23   |

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. Total domestic includes both domestic use and unreported disappearance. 3/ World imports and exports may not balance due to differences in some countries. 4/ India, Pakistan, Thailand, and Vietnam. 5/ Brazil, Indonesia, Hong Kong, Cote d'Ivoire, Nigeria, Philippines, selected Middle East, and the EU-28. 6/ Trade excludes intra-trade. 7/ Selected Middle East includes Iran, Iraq, and Saudi Arabia. 8/ Central American and Caribbean countries.



## WASDE - 580 - 25

**World Rice Supply and Use (Milled Basis) 1/ (Cont'd.)**  
**(Million Metric Tons)**

| <b>2018/19 Proj.</b> |     | <b>Beginning<br/>Stocks</b> | <b>Production</b> | <b>Imports</b> | <b>Total /2<br/>Domestic</b> | <b>Exports</b> | <b>Ending<br/>Stocks</b> |
|----------------------|-----|-----------------------------|-------------------|----------------|------------------------------|----------------|--------------------------|
| World 3/             | Jul | 143.86                      | 487.80            | 46.44          | 487.91                       | 49.21          | 143.75                   |
|                      | Aug | 143.82                      | 487.57            | 46.66          | 487.81                       | 49.26          | 143.57                   |
| United States        | Jul | 1.03                        | 6.76              | 0.86           | 4.06                         | 3.24           | 1.34                     |
|                      | Aug | 1.10                        | 6.70              | 0.86           | 4.16                         | 3.11           | 1.39                     |
| Total Foreign        | Jul | 142.84                      | 481.04            | 45.59          | 483.84                       | 45.97          | 142.41                   |
|                      | Aug | 142.71                      | 480.87            | 45.81          | 483.65                       | 46.14          | 142.19                   |
| Major Exporters 4/   | Jul | 26.27                       | 166.67            | 0.65           | 133.90                       | 34.70          | 24.98                    |
|                      | Aug | 26.17                       | 166.67            | 0.65           | 133.90                       | 34.80          | 24.78                    |
| India                | Jul | 20.40                       | 109.00            | 0.00           | 98.00                        | 12.50          | 18.90                    |
|                      | Aug | 20.40                       | 109.00            | 0.00           | 98.00                        | 12.50          | 18.90                    |
| Pakistan             | Jul | 1.47                        | 7.40              | 0.00           | 3.30                         | 4.20           | 1.37                     |
|                      | Aug | 1.37                        | 7.40              | 0.00           | 3.30                         | 4.30           | 1.17                     |
| Thailand             | Jul | 3.19                        | 21.20             | 0.25           | 10.20                        | 11.00          | 3.44                     |
|                      | Aug | 3.19                        | 21.20             | 0.25           | 10.20                        | 11.00          | 3.44                     |
| Vietnam              | Jul | 1.21                        | 29.07             | 0.40           | 22.40                        | 7.00           | 1.28                     |
|                      | Aug | 1.21                        | 29.07             | 0.40           | 22.40                        | 7.00           | 1.28                     |
| Major Importers 5/   | Jul | 9.99                        | 66.73             | 13.80          | 79.37                        | 1.03           | 10.11                    |
|                      | Aug | 9.76                        | 66.65             | 13.90          | 79.35                        | 1.08           | 9.88                     |
| Brazil               | Jul | 0.45                        | 8.02              | 0.70           | 8.10                         | 0.70           | 0.37                     |
|                      | Aug | 0.38                        | 8.02              | 0.70           | 8.05                         | 0.70           | 0.35                     |
| European Union 6/    | Jul | 1.17                        | 2.00              | 2.00           | 3.70                         | 0.30           | 1.17                     |
|                      | Aug | 1.11                        | 2.00              | 2.00           | 3.68                         | 0.35           | 1.08                     |
| Indonesia            | Jul | 3.91                        | 37.30             | 1.20           | 38.20                        | 0.00           | 4.21                     |
|                      | Aug | 3.91                        | 37.30             | 1.20           | 38.20                        | 0.00           | 4.21                     |
| Nigeria              | Jul | 0.94                        | 3.78              | 3.00           | 6.90                         | 0.00           | 0.82                     |
|                      | Aug | 0.94                        | 3.78              | 3.00           | 6.90                         | 0.00           | 0.82                     |
| Philippines          | Jul | 2.50                        | 12.35             | 1.10           | 13.40                        | 0.00           | 2.55                     |
|                      | Aug | 2.40                        | 12.35             | 1.10           | 13.40                        | 0.00           | 2.45                     |
| Sel. Mideast 7/      | Jul | 0.76                        | 1.82              | 3.85           | 5.73                         | 0.00           | 0.70                     |
|                      | Aug | 0.76                        | 1.74              | 3.95           | 5.78                         | 0.00           | 0.67                     |
| Selected Other       |     |                             |                   |                |                              |                |                          |
| Burma                | Jul | 0.36                        | 13.40             | 0.01           | 9.90                         | 3.50           | 0.37                     |
|                      | Aug | 0.56                        | 13.40             | 0.01           | 9.90                         | 3.50           | 0.57                     |
| C. Amer & Carib 8/   | Jul | 0.61                        | 1.72              | 1.92           | 3.57                         | 0.03           | 0.65                     |
|                      | Aug | 0.60                        | 1.72              | 1.92           | 3.56                         | 0.03           | 0.65                     |
| China                | Jul | 93.99                       | 142.20            | 5.50           | 144.00                       | 1.70           | 95.99                    |
|                      | Aug | 93.99                       | 142.20            | 5.50           | 144.00                       | 1.70           | 95.99                    |
| Egypt                | Jul | 1.33                        | 3.30              | 0.40           | 4.40                         | 0.02           | 0.61                     |
|                      | Aug | 1.33                        | 3.30              | 0.40           | 4.40                         | 0.02           | 0.61                     |
| Japan                | Jul | 2.26                        | 7.60              | 0.69           | 8.40                         | 0.05           | 2.10                     |
|                      | Aug | 2.26                        | 7.60              | 0.69           | 8.40                         | 0.05           | 2.10                     |
| Mexico               | Jul | 0.19                        | 0.18              | 0.88           | 0.94                         | 0.09           | 0.22                     |
|                      | Aug | 0.19                        | 0.18              | 0.88           | 0.94                         | 0.09           | 0.22                     |
| South Korea          | Jul | 1.23                        | 3.73              | 0.41           | 4.48                         | 0.05           | 0.84                     |
|                      | Aug | 1.23                        | 3.73              | 0.41           | 4.48                         | 0.05           | 0.84                     |

1/ Aggregate of local marketing years. 2/ Total foreign and world use adjusted to reflect the differences in world imports and exports. Total domestic includes both domestic use and unreported disappearance. 3/ World imports and exports may not balance due to differences in some countries. 4/ India, Pakistan, Thailand, and Vietnam. 5/ Brazil, Indonesia, Hong Kong, Cote d'Ivoire, Nigeria, Philippines, selected Middle East, and the EU-28. 6/ Trade excludes intra-trade. 7/ Selected Middle East includes Iran, Iraq, and Saudi Arabia. 8/ Central American and Caribbean countries.

## WASDE - 580 - 26

**World Cotton Supply and Use 1/  
(Million 480-Pound Bales)**

| <b>2016/17</b>      | Beginning<br>Stocks | Production | Imports | Domestic<br>Use | Exports | Loss<br>/2 | Ending<br>Stocks |
|---------------------|---------------------|------------|---------|-----------------|---------|------------|------------------|
| World               | 93.45               | 106.63     | 37.65   | 115.78          | 37.65   | 0.21       | 84.09            |
| United States       | 3.80                | 17.17      | 0.01    | 3.25            | 14.92   | 0.06       | 2.75             |
| Total Foreign       | 89.65               | 89.46      | 37.65   | 112.53          | 22.73   | 0.15       | 81.34            |
| Major Exporters 4/  | 22.68               | 50.69      | 3.63    | 31.91           | 19.52   | 0.01       | 25.56            |
| Central Asia 5/     | 2.35                | 5.99       | 3/      | 2.82            | 3.34    | 0.00       | 2.17             |
| Afr. Fr. Zone 6/    | 1.38                | 5.09       | 3/      | 0.14            | 4.33    | 0.01       | 2.00             |
| S. Hemis 7/         | 8.77                | 12.25      | 0.37    | 4.29            | 7.05    | -0.02      | 10.06            |
| Australia           | 1.88                | 4.05       | 3/      | 0.04            | 3.73    | -0.03      | 2.19             |
| Brazil              | 5.71                | 7.02       | 0.19    | 3.20            | 2.79    | 0.00       | 6.93             |
| India               | 9.94                | 27.00      | 2.74    | 24.00           | 4.55    | 0.00       | 11.13            |
| Major Importers 8/  | 65.26               | 35.86      | 31.86   | 76.66           | 2.03    | 0.14       | 54.15            |
| Mexico              | 0.61                | 0.77       | 1.00    | 1.75            | 0.15    | 0.03       | 0.45             |
| China               | 56.70               | 22.75      | 5.03    | 38.50           | 0.06    | 0.00       | 45.92            |
| European Union 9/   | 0.25                | 1.31       | 0.69    | 0.71            | 1.33    | 0.05       | 0.17             |
| Turkey              | 1.53                | 3.20       | 3.68    | 6.50            | 0.33    | 0.00       | 1.58             |
| Pakistan            | 2.62                | 7.70       | 2.40    | 10.30           | 0.13    | 0.03       | 2.27             |
| Indonesia           | 0.53                | 0.01       | 3.39    | 3.30            | 0.01    | 0.00       | 0.62             |
| Thailand            | 0.20                | 3/         | 1.23    | 1.20            | 0.00    | 0.03       | 0.20             |
| Bangladesh          | 1.52                | 0.13       | 6.80    | 6.80            | 0.00    | 0.01       | 1.63             |
| Vietnam             | 0.78                | 3/         | 5.50    | 5.40            | 0.00    | 0.00       | 0.88             |
| <b>2017/18 Est.</b> |                     |            |         |                 |         |            |                  |
| World               | 84.09               | 123.51     | 40.79   | 122.74          | 40.79   | 0.35       | 84.51            |
| United States       | 2.75                | 20.92      | 0.01    | 3.25            | 15.85   | 0.18       | 4.40             |
| Total Foreign       | 81.34               | 102.59     | 40.79   | 119.49          | 24.94   | 0.17       | 80.11            |
| Major Exporters 4/  | 25.56               | 56.67      | 2.48    | 32.92           | 21.50   | 0.02       | 30.28            |
| Central Asia 5/     | 2.17                | 6.62       | 3/      | 3.49            | 2.54    | 0.00       | 2.77             |
| Afr. Fr. Zone 6/    | 2.00                | 5.22       | 3/      | 0.14            | 4.87    | 0.00       | 2.22             |
| S. Hemis 7/         | 10.06               | 15.37      | 0.23    | 4.46            | 8.58    | 0.01       | 12.61            |
| Australia           | 2.19                | 4.70       | 3/      | 0.04            | 4.00    | 0.00       | 2.86             |
| Brazil              | 6.93                | 9.20       | 0.08    | 3.40            | 4.18    | 0.00       | 8.63             |
| India               | 11.13               | 29.00      | 1.70    | 24.20           | 5.20    | 0.00       | 12.43            |
| Major Importers 8/  | 54.15               | 42.94      | 35.68   | 82.53           | 2.36    | 0.15       | 47.74            |
| Mexico              | 0.45                | 1.56       | 0.93    | 1.90            | 0.35    | 0.03       | 0.65             |
| China               | 45.92               | 27.50      | 5.50    | 41.00           | 0.13    | 0.00       | 37.79            |
| European Union 9/   | 0.17                | 1.54       | 0.73    | 0.76            | 1.37    | 0.06       | 0.25             |
| Turkey              | 1.58                | 4.00       | 4.00    | 7.30            | 0.33    | 0.00       | 1.95             |
| Pakistan            | 2.27                | 8.20       | 3.40    | 10.80           | 0.17    | 0.03       | 2.87             |
| Indonesia           | 0.62                | 3/         | 3.55    | 3.55            | 0.01    | 0.00       | 0.62             |
| Thailand            | 0.20                | 3/         | 1.13    | 1.13            | 0.00    | 0.03       | 0.18             |
| Bangladesh          | 1.63                | 0.14       | 7.60    | 7.50            | 0.00    | 0.01       | 1.86             |
| Vietnam             | 0.88                | 3/         | 6.90    | 6.60            | 0.00    | 0.00       | 1.19             |

1/ Marketing year beginning August 1. Totals may not add exactly and trade may not balance due to rounding and other factors. 2/ Generally reflects cotton lost or destroyed in the marketing channel; for Australia, Brazil, China, and the United States, reflects the difference between implicit stocks based on supply less total use and indicated ending stocks. 3/ Less than 5,000 bales. 4/ Includes Egypt and Syria in addition to the countries and regions listed. 5/ Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan. 6/ Benin, Burkino Faso, Cameroon, Central African Republic, Chad, Cote d'Ivoire, Mali, Niger, Senegal, and Togo. 7/ Argentina, Australia, Brazil, Lesotho, Paraguay, South Africa, Tanzania, and Zimbabwe. 8/ In addition to the countries and regions listed, includes Hong Kong, Japan, Russia, South Korea, and Taiwan. 9/ Includes intra-EU trade.

## WASDE - 580 - 27

**World Cotton Supply and Use 1/  
(Million 480-Pound Bales)**

| <b>2018/19 Proj.</b> |     | Beginning<br>Stocks | Production | Imports | Domestic<br>Use | Exports | Loss<br>/2 | Ending<br>Stocks |
|----------------------|-----|---------------------|------------|---------|-----------------|---------|------------|------------------|
| World                | Jul | 84.96               | 120.11     | 41.23   | 126.95          | 41.24   | 0.27       | 77.84            |
|                      | Aug | 84.51               | 120.53     | 41.80   | 127.62          | 41.82   | 0.30       | 77.10            |
| United States        | Jul | 4.00                | 18.50      | 0.01    | 3.40            | 15.00   | 0.11       | 4.00             |
|                      | Aug | 4.40                | 19.24      | 0.01    | 3.40            | 15.50   | 0.14       | 4.60             |
| Total Foreign        | Jul | 80.96               | 101.61     | 41.23   | 123.55          | 26.24   | 0.16       | 73.84            |
|                      | Aug | 80.11               | 101.29     | 41.79   | 124.22          | 26.32   | 0.16       | 72.50            |
| Major Exporters 4/   | Jul | 31.20               | 55.85      | 2.17    | 34.42           | 22.28   | 0.02       | 32.50            |
|                      | Aug | 30.28               | 55.34      | 2.22    | 34.42           | 22.39   | 0.02       | 31.01            |
| Central Asia 5/      | Jul | 2.83                | 6.47       | 3/      | 3.72            | 2.58    | 0.00       | 3.01             |
|                      | Aug | 2.77                | 5.90       | 3/      | 3.71            | 2.38    | 0.00       | 2.58             |
| Afr. Fr. Zone 6/     | Jul | 2.65                | 5.28       | 3/      | 0.14            | 4.76    | 0.00       | 3.02             |
|                      | Aug | 2.22                | 5.28       | 3/      | 0.14            | 4.97    | 0.00       | 2.39             |
| S. Hemis 7/          | Jul | 12.85               | 14.86      | 0.22    | 4.69            | 10.35   | 0.01       | 12.89            |
|                      | Aug | 12.61               | 14.92      | 0.22    | 4.69            | 10.20   | 0.01       | 12.86            |
| Australia            | Jul | 3.06                | 3.70       | 3/      | 0.04            | 4.40    | 0.00       | 2.32             |
|                      | Aug | 2.86                | 3.55       | 3/      | 0.04            | 4.30    | 0.00       | 2.07             |
| Brazil               | Jul | 8.63                | 9.50       | 0.08    | 3.60            | 5.40    | 0.00       | 9.20             |
|                      | Aug | 8.63                | 9.50       | 0.08    | 3.60            | 5.30    | 0.00       | 9.31             |
| India                | Jul | 12.63               | 28.70      | 1.50    | 25.20           | 4.30    | 0.00       | 13.33            |
|                      | Aug | 12.43               | 28.70      | 1.50    | 25.20           | 4.50    | 0.00       | 12.93            |
| Major Importers 8/   | Jul | 47.83               | 42.75      | 36.60   | 85.10           | 2.72    | 0.14       | 39.22            |
|                      | Aug | 47.74               | 42.95      | 37.09   | 85.74           | 2.66    | 0.14       | 39.25            |
| Mexico               | Jul | 0.75                | 1.75       | 0.93    | 1.90            | 0.55    | 0.03       | 0.95             |
|                      | Aug | 0.65                | 1.75       | 0.90    | 1.90            | 0.55    | 0.03       | 0.83             |
| China                | Jul | 37.69               | 26.50      | 7.00    | 42.50           | 0.15    | 0.00       | 28.54            |
|                      | Aug | 37.79               | 26.50      | 7.00    | 42.50           | 0.15    | 0.00       | 28.64            |
| European Union 9/    | Jul | 0.25                | 1.56       | 0.71    | 0.74            | 1.46    | 0.05       | 0.27             |
|                      | Aug | 0.25                | 1.56       | 0.70    | 0.75            | 1.45    | 0.05       | 0.26             |
| Turkey               | Jul | 2.03                | 4.30       | 3.60    | 7.40            | 0.35    | 0.00       | 2.18             |
|                      | Aug | 1.95                | 4.50       | 3.50    | 7.50            | 0.33    | 0.00       | 2.13             |
| Pakistan             | Jul | 2.88                | 8.50       | 2.30    | 10.70           | 0.20    | 0.03       | 2.76             |
|                      | Aug | 2.87                | 8.50       | 2.50    | 11.00           | 0.18    | 0.03       | 2.67             |
| Indonesia            | Jul | 0.62                | 3/         | 3.50    | 3.50            | 0.01    | 0.00       | 0.62             |
|                      | Aug | 0.62                | 3/         | 3.75    | 3.65            | 0.01    | 0.00       | 0.72             |
| Thailand             | Jul | 0.18                | 3/         | 1.08    | 1.05            | 0.00    | 0.03       | 0.18             |
|                      | Aug | 0.18                | 3/         | 1.13    | 1.10            | 0.00    | 0.03       | 0.18             |
| Bangladesh           | Jul | 1.86                | 0.14       | 8.00    | 8.00            | 0.00    | 0.01       | 1.98             |
|                      | Aug | 1.86                | 0.14       | 8.10    | 8.00            | 0.00    | 0.01       | 2.08             |
| Vietnam              | Jul | 1.19                | 3/         | 7.70    | 7.50            | 0.00    | 0.00       | 1.39             |
|                      | Aug | 1.19                | 3/         | 7.70    | 7.50            | 0.00    | 0.00       | 1.39             |

1/ Marketing year beginning August 1. Totals may not add exactly and trade may not balance due to rounding and other factors. 2/ Generally reflects cotton lost or destroyed in the marketing channel; for Australia, Brazil, China, and the United States, reflects the difference between implicit stocks based on supply less total use and indicated ending stocks. 3/ Less than 5,000 bales. 4/ Includes Egypt and Syria in addition to the countries and regions listed. 5/ Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan. 6/ Benin, Burkino Faso, Cameroon, Central African Republic, Chad, Cote d'Ivoire, Mali, Niger, Senegal, and Togo. 7/ Argentina, Australia, Brazil, Lesotho, Paraguay, South Africa, Tanzania, and Zimbabwe. 8/ In addition to the countries and regions listed, includes Hong Kong, Japan, Russia, South Korea, and Taiwan. 9/ Includes intra-EU trade.

## WASDE - 580 - 28

World Soybean Supply and Use 1/  
(Million Metric Tons)

| <b>2016/17</b>       |     | Beginning<br>Stocks | Production | Imports | Domestic<br>Crush | Domestic<br>Total | Exports | Ending<br>Stocks |
|----------------------|-----|---------------------|------------|---------|-------------------|-------------------|---------|------------------|
| World 2/             |     | 80.45               | 348.12     | 144.32  | 287.35            | 328.87            | 147.35  | 96.67            |
| United States        |     | 5.35                | 116.92     | 0.61    | 51.74             | 55.71             | 58.96   | 8.21             |
| Total Foreign        |     | 75.09               | 231.20     | 143.72  | 235.60            | 273.16            | 88.39   | 88.46            |
| Major Exporters 3/   |     | 52.29               | 183.14     | 1.94    | 87.54             | 95.54             | 79.51   | 62.33            |
| Argentina            |     | 33.65               | 55.00      | 1.67    | 43.30             | 47.83             | 7.03    | 35.47            |
| Brazil               |     | 18.56               | 114.60     | 0.25    | 40.41             | 43.81             | 63.14   | 26.46            |
| Paraguay             |     | 0.03                | 10.20      | 0.01    | 3.75              | 3.81              | 6.13    | 0.30             |
| Major Importers 4/   |     | 19.76               | 16.79      | 122.61  | 113.10            | 135.87            | 0.39    | 22.91            |
| China                |     | 16.91               | 12.90      | 93.50   | 88.00             | 102.80            | 0.11    | 20.39            |
| European Union       |     | 1.56                | 2.41       | 13.42   | 14.40             | 16.04             | 0.22    | 1.13             |
| Japan                |     | 0.26                | 0.24       | 3.18    | 2.39              | 3.46              | 0.00    | 0.22             |
| Mexico               |     | 0.15                | 0.52       | 4.13    | 4.60              | 4.64              | 0.00    | 0.16             |
| <b>2017/18 Est.</b>  |     |                     |            |         |                   |                   |         |                  |
| World 2/             |     | 96.67               | 336.70     | 153.48  | 294.36            | 337.53            | 153.70  | 95.61            |
| United States        |     | 8.21                | 119.52     | 0.60    | 55.52             | 59.21             | 57.43   | 11.69            |
| Total Foreign        |     | 88.46               | 217.19     | 152.88  | 238.84            | 278.32            | 96.28   | 83.92            |
| Major Exporters 3/   |     | 62.33               | 168.20     | 4.14    | 84.55             | 92.88             | 86.50   | 55.28            |
| Argentina            |     | 35.47               | 37.00      | 3.90    | 37.77             | 42.47             | 3.10    | 30.80            |
| Brazil               |     | 26.46               | 119.50     | 0.23    | 43.00             | 46.54             | 75.50   | 24.15            |
| Paraguay             |     | 0.30                | 10.00      | 0.01    | 3.70              | 3.78              | 6.25    | 0.28             |
| Major Importers 4/   |     | 22.91               | 18.24      | 126.70  | 117.39            | 141.64            | 0.44    | 25.77            |
| China                |     | 20.39               | 14.20      | 96.00   | 91.00             | 107.00            | 0.11    | 23.48            |
| European Union       |     | 1.13                | 2.67       | 14.10   | 14.90             | 16.55             | 0.28    | 1.07             |
| Japan                |     | 0.22                | 0.25       | 3.25    | 2.35              | 3.51              | 0.00    | 0.21             |
| Mexico               |     | 0.16                | 0.43       | 4.60    | 5.00              | 5.04              | 0.00    | 0.16             |
| <b>2018/19 Proj.</b> |     |                     |            |         |                   |                   |         |                  |
| World 2/             | Jul | 96.02               | 359.49     | 154.36  | 309.31            | 354.29            | 157.32  | 98.27            |
|                      | Aug | 95.61               | 367.10     | 154.83  | 308.67            | 353.64            | 157.96  | 105.94           |
| United States        | Jul | 12.64               | 117.30     | 0.68    | 55.66             | 59.33             | 55.52   | 15.77            |
|                      | Aug | 11.69               | 124.81     | 0.68    | 56.06             | 59.76             | 56.06   | 21.35            |
| Total Foreign        | Jul | 83.38               | 242.19     | 153.68  | 253.65            | 294.96            | 101.80  | 82.49            |
|                      | Aug | 83.92               | 242.30     | 154.15  | 252.60            | 293.88            | 101.90  | 84.59            |
| Major Exporters 3/   | Jul | 54.68               | 190.30     | 2.69    | 89.73             | 98.35             | 91.82   | 57.50            |
|                      | Aug | 55.28               | 190.30     | 2.66    | 89.73             | 98.32             | 91.82   | 58.10            |
| Argentina            | Jul | 29.35               | 57.00      | 2.25    | 43.00             | 47.95             | 8.00    | 32.65            |
|                      | Aug | 30.80               | 57.00      | 2.22    | 43.00             | 47.92             | 8.00    | 34.10            |
| Brazil               | Jul | 25.00               | 120.50     | 0.43    | 42.70             | 46.28             | 75.00   | 24.65            |
|                      | Aug | 24.15               | 120.50     | 0.43    | 42.70             | 46.28             | 75.00   | 23.80            |
| Paraguay             | Jul | 0.28                | 9.80       | 0.01    | 3.95              | 4.03              | 5.90    | 0.15             |
|                      | Aug | 0.28                | 9.80       | 0.01    | 3.95              | 4.03              | 5.90    | 0.15             |
| Major Importers 4/   | Jul | 25.73               | 18.67      | 127.76  | 124.16            | 149.75            | 0.50    | 21.90            |
|                      | Aug | 25.77               | 18.69      | 128.26  | 123.16            | 148.75            | 0.45    | 23.52            |
| China                | Jul | 23.44               | 14.50      | 95.00   | 96.50             | 113.60            | 0.15    | 19.19            |
|                      | Aug | 23.48               | 14.50      | 95.00   | 95.00             | 112.10            | 0.10    | 20.78            |
| European Union       | Jul | 1.07                | 2.75       | 15.30   | 15.80             | 17.45             | 0.30    | 1.37             |
|                      | Aug | 1.07                | 2.78       | 15.80   | 16.30             | 17.95             | 0.30    | 1.40             |
| Japan                | Jul | 0.21                | 0.26       | 3.30    | 2.35              | 3.52              | 0.00    | 0.26             |
|                      | Aug | 0.21                | 0.26       | 3.30    | 2.35              | 3.52              | 0.00    | 0.26             |
| Mexico               | Jul | 0.16                | 0.49       | 4.75    | 5.20              | 5.24              | 0.00    | 0.16             |
|                      | Aug | 0.16                | 0.49       | 4.75    | 5.20              | 5.24              | 0.00    | 0.16             |

1/ Data based on local marketing years except Argentina and Brazil which are adjusted to an October-September year. 2/ World imports and exports may not balance due to differences in local marketing years and to time lags between reported exports and imports. Therefore, world supply may not equal world use. 3/ Argentina, Brazil, Paraguay, and Uruguay. 4/ China, European Union, Japan, Mexico, and Southeast Asia (includes Indonesia, Malaysia, Philippines, Vietnam, and Thailand).

## WASDE - 580 - 29

**World Soybean Meal Supply and Use 1/  
(Million Metric Tons)**

| <b>2016/17</b>       |     | Beginning<br>Stocks | Production | Imports | Domestic<br>Total | Exports | Ending<br>Stocks |
|----------------------|-----|---------------------|------------|---------|-------------------|---------|------------------|
| World 2/             |     | 13.22               | 225.52     | 60.54   | 222.04            | 64.48   | 12.76            |
| United States        |     | 0.24                | 40.63      | 0.32    | 30.32             | 10.51   | 0.36             |
| Total Foreign        |     | 12.98               | 184.89     | 60.22   | 191.72            | 53.97   | 12.39            |
| Major Exporters 3/   |     | 7.07                | 71.76      | 0.05    | 24.65             | 47.09   | 7.13             |
| Argentina            |     | 4.23                | 33.28      | 0.00    | 2.85              | 31.32   | 3.34             |
| Brazil               |     | 2.71                | 31.28      | 0.04    | 16.94             | 13.76   | 3.32             |
| India                |     | 0.13                | 7.20       | 0.01    | 4.86              | 2.01    | 0.48             |
| Major Importers 4/   |     | 2.11                | 16.08      | 36.61   | 52.49             | 0.53    | 1.77             |
| European Union       |     | 0.83                | 11.38      | 18.92   | 30.34             | 0.33    | 0.46             |
| Southeast Asia 5/    |     | 1.18                | 2.90       | 16.07   | 18.73             | 0.20    | 1.22             |
| <b>2017/18 Est.</b>  |     |                     |            |         |                   |         |                  |
| World 2/             |     | 12.76               | 231.14     | 60.25   | 229.62            | 63.96   | 10.57            |
| United States        |     | 0.36                | 44.00      | 0.45    | 31.66             | 12.79   | 0.36             |
| Total Foreign        |     | 12.39               | 187.14     | 59.80   | 197.96            | 51.17   | 10.21            |
| Major Exporters 3/   |     | 7.13                | 67.93      | 0.05    | 25.55             | 43.95   | 5.61             |
| Argentina            |     | 3.34                | 28.55      | 0.00    | 3.00              | 26.20   | 2.69             |
| Brazil               |     | 3.32                | 33.30      | 0.03    | 17.50             | 16.35   | 2.80             |
| India                |     | 0.48                | 6.08       | 0.02    | 5.05              | 1.40    | 0.12             |
| Major Importers 4/   |     | 1.77                | 16.76      | 36.48   | 52.93             | 0.59    | 1.50             |
| European Union       |     | 0.46                | 11.77      | 18.50   | 30.04             | 0.38    | 0.31             |
| Southeast Asia 5/    |     | 1.22                | 3.22       | 16.33   | 19.42             | 0.21    | 1.13             |
| <b>2018/19 Proj.</b> |     |                     |            |         |                   |         |                  |
| World 2/             | Jul | 11.87               | 243.31     | 62.22   | 240.32            | 65.15   | 11.93            |
|                      | Aug | 10.57               | 242.71     | 62.46   | 239.69            | 65.43   | 10.62            |
| United States        | Jul | 0.36                | 43.95      | 0.32    | 32.39             | 11.88   | 0.36             |
|                      | Aug | 0.36                | 44.18      | 0.32    | 32.39             | 12.11   | 0.36             |
| Total Foreign        | Jul | 11.51               | 199.36     | 61.90   | 207.94            | 53.27   | 11.57            |
|                      | Aug | 10.21               | 198.53     | 62.14   | 207.30            | 53.32   | 10.26            |
| Major Exporters 3/   | Jul | 6.86                | 73.35      | 0.04    | 26.98             | 46.20   | 7.07             |
|                      | Aug | 5.61                | 73.35      | 0.04    | 26.96             | 46.20   | 5.84             |
| Argentina            | Jul | 2.79                | 33.05      | 0.00    | 3.20              | 29.80   | 2.84             |
|                      | Aug | 2.69                | 33.05      | 0.00    | 3.20              | 29.80   | 2.74             |
| Brazil               | Jul | 3.95                | 33.10      | 0.03    | 18.15             | 15.00   | 3.93             |
|                      | Aug | 2.80                | 33.10      | 0.03    | 18.13             | 15.00   | 2.80             |
| India                | Jul | 0.12                | 7.20       | 0.01    | 5.63              | 1.40    | 0.31             |
|                      | Aug | 0.12                | 7.20       | 0.01    | 5.63              | 1.40    | 0.31             |
| Major Importers 4/   | Jul | 1.50                | 17.59      | 36.77   | 53.98             | 0.50    | 1.38             |
|                      | Aug | 1.50                | 17.99      | 36.97   | 54.58             | 0.50    | 1.38             |
| European Union       | Jul | 0.31                | 12.48      | 18.30   | 30.54             | 0.30    | 0.25             |
|                      | Aug | 0.31                | 12.88      | 18.50   | 31.14             | 0.30    | 0.25             |
| Southeast Asia 5/    | Jul | 1.13                | 3.34       | 16.82   | 20.02             | 0.20    | 1.07             |
|                      | Aug | 1.13                | 3.34       | 16.82   | 20.02             | 0.20    | 1.07             |

1/ Data based on local marketing years except for Argentina and Brazil which are adjusted to an October-September year. 2/ World imports and exports may not balance due to differences in local marketing years and to time lags between reported exports and imports. Therefore, world supply may not equal world use. 3/ Argentina, Brazil, and India. 4/ European Union, Southeast Asia, and Japan. 5/ Indonesia, Malaysia, Philippines, Vietnam, and Thailand.

## WASDE - 580 - 30

**World Soybean Oil Supply and Use 1/  
(Million Metric Tons)**

| <b>2016/17</b>       |     | Beginning<br>Stocks | Production | Imports | Domestic<br>Total | Exports | Ending<br>Stocks |
|----------------------|-----|---------------------|------------|---------|-------------------|---------|------------------|
| World 2/             |     | 3.67                | 53.69      | 10.84   | 53.39             | 11.25   | 3.55             |
| United States        |     | 0.77                | 10.04      | 0.15    | 9.01              | 1.16    | 0.78             |
| Total Foreign        |     | 2.90                | 43.66      | 10.70   | 44.38             | 10.10   | 2.78             |
| Major Exporters 3/   |     | 0.71                | 18.89      | 0.35    | 11.77             | 7.46    | 0.71             |
| Argentina            |     | 0.26                | 8.40       | 0.00    | 2.99              | 5.39    | 0.28             |
| Brazil               |     | 0.29                | 7.76       | 0.06    | 6.58              | 1.24    | 0.28             |
| European Union       |     | 0.16                | 2.74       | 0.29    | 2.21              | 0.83    | 0.15             |
| Major Importers 4/   |     | 1.16                | 17.89      | 5.81    | 23.58             | 0.21    | 1.08             |
| China                |     | 0.52                | 15.77      | 0.71    | 16.35             | 0.12    | 0.54             |
| India                |     | 0.48                | 1.62       | 3.53    | 5.20              | 0.00    | 0.43             |
| North Africa 5/      |     | 0.16                | 0.50       | 1.56    | 2.03              | 0.09    | 0.11             |
| <b>2017/18 Est.</b>  |     |                     |            |         |                   |         |                  |
| World 2/             |     | 3.55                | 54.88      | 9.86    | 54.87             | 10.02   | 3.40             |
| United States        |     | 0.78                | 10.66      | 0.14    | 9.48              | 1.11    | 0.99             |
| Total Foreign        |     | 2.78                | 44.22      | 9.71    | 45.39             | 8.90    | 2.41             |
| Major Exporters 3/   |     | 0.71                | 18.42      | 0.31    | 12.53             | 6.20    | 0.71             |
| Argentina            |     | 0.28                | 7.34       | 0.00    | 3.41              | 3.85    | 0.37             |
| Brazil               |     | 0.28                | 8.25       | 0.06    | 6.90              | 1.53    | 0.17             |
| European Union       |     | 0.15                | 2.83       | 0.25    | 2.23              | 0.83    | 0.18             |
| Major Importers 4/   |     | 1.08                | 18.36      | 5.15    | 23.57             | 0.21    | 0.80             |
| China                |     | 0.54                | 16.31      | 0.45    | 16.73             | 0.14    | 0.43             |
| India                |     | 0.43                | 1.37       | 3.10    | 4.65              | 0.00    | 0.25             |
| North Africa 5/      |     | 0.11                | 0.68       | 1.60    | 2.20              | 0.08    | 0.12             |
| <b>2018/19 Proj.</b> |     |                     |            |         |                   |         |                  |
| World 2/             | Jul | 3.44                | 57.68      | 10.87   | 57.15             | 11.33   | 3.51             |
|                      | Aug | 3.40                | 57.58      | 10.67   | 57.15             | 11.09   | 3.41             |
| United States        | Jul | 1.05                | 10.71      | 0.14    | 9.89              | 1.00    | 1.01             |
|                      | Aug | 0.99                | 10.79      | 0.14    | 9.98              | 1.00    | 0.94             |
| Total Foreign        | Jul | 2.39                | 46.97      | 10.73   | 47.26             | 10.33   | 2.50             |
|                      | Aug | 2.41                | 46.79      | 10.53   | 47.17             | 10.09   | 2.47             |
| Major Exporters 3/   | Jul | 0.67                | 19.56      | 0.26    | 12.32             | 7.54    | 0.64             |
|                      | Aug | 0.71                | 19.65      | 0.26    | 12.65             | 7.33    | 0.65             |
| Argentina            | Jul | 0.20                | 8.36       | 0.00    | 3.04              | 5.33    | 0.20             |
|                      | Aug | 0.37                | 8.36       | 0.00    | 3.42              | 5.10    | 0.21             |
| Brazil               | Jul | 0.25                | 8.20       | 0.06    | 7.02              | 1.28    | 0.21             |
|                      | Aug | 0.17                | 8.20       | 0.06    | 6.98              | 1.28    | 0.17             |
| European Union       | Jul | 0.23                | 3.00       | 0.20    | 2.26              | 0.94    | 0.24             |
|                      | Aug | 0.18                | 3.10       | 0.20    | 2.26              | 0.95    | 0.27             |
| Major Importers 4/   | Jul | 0.82                | 19.62      | 6.01    | 25.25             | 0.24    | 0.96             |
|                      | Aug | 0.80                | 19.35      | 5.81    | 24.82             | 0.22    | 0.92             |
| China                | Jul | 0.47                | 17.29      | 0.70    | 17.83             | 0.15    | 0.49             |
|                      | Aug | 0.43                | 17.02      | 0.70    | 17.60             | 0.13    | 0.43             |
| India                | Jul | 0.25                | 1.62       | 3.60    | 5.10              | 0.01    | 0.36             |
|                      | Aug | 0.25                | 1.62       | 3.40    | 4.90              | 0.01    | 0.36             |
| North Africa 5/      | Jul | 0.10                | 0.71       | 1.71    | 2.32              | 0.09    | 0.12             |
|                      | Aug | 0.12                | 0.71       | 1.71    | 2.32              | 0.09    | 0.13             |

1/ Data based on local marketing years except for Argentina and Brazil which are adjusted to an October-September year. 2/ World imports and exports may not balance due to differences in local marketing years and to time lags between reported exports and imports. Therefore, world supply may not equal world use. 3/ Argentina, Brazil and European Union. 4/ China, India, and North Africa. 5/ Algeria, Egypt, Morocco, and Tunisia.

## WASDE - 580 - 31

## U.S. Quarterly Animal Product Production 1/

| Year and Quarter | Beef                  | Pork   | Red Meat<br>2/ | Broiler | Turkey | Total<br>Poultry 3/ | Red Meat<br>& Poultry | Egg            | Milk           |
|------------------|-----------------------|--------|----------------|---------|--------|---------------------|-----------------------|----------------|----------------|
|                  | <i>Million Pounds</i> |        |                |         |        |                     |                       |                |                |
|                  |                       |        |                |         |        |                     |                       | <i>Mil doz</i> | <i>Bil lbs</i> |
| 2017 III         | 6,736                 | 6,240  | 13,029         | 10,551  | 1,479  | 12,167              | 25,197                | 2,204          | 53.5           |
| IV               | 6,742                 | 6,796  | 13,595         | 10,472  | 1,533  | 12,139              | 25,734                | 2,235          | 53.1           |
| Annual           | 26,187                | 25,584 | 51,991         | 41,662  | 5,981  | 48,178              | 100,169               | 8,808          | 215.5          |
| 2018 I           | 6,465                 | 6,645  | 13,167         | 10,385  | 1,452  | 11,962              | 25,129                | 2,186          | 54.4           |
| II               | 6,724                 | 6,325  | 13,105         | 10,680  | 1,477  | 12,295              | 25,400                | 2,230          | 55.8           |
| III*             | 6,840                 | 6,515  | 13,408         | 10,850  | 1,475  | 12,465              | 25,873                | 2,262          | 53.9           |
| IV*              | 7,065                 | 7,225  | 14,346         | 10,700  | 1,535  | 12,370              | 26,716                | 2,305          | 53.8           |
| Annual           |                       |        |                |         |        |                     |                       |                |                |
| Jul Proj.        | 27,150                | 26,745 | 54,118         | 42,495  | 5,942  | 48,972              | 103,090               | 8,971          | 217.9          |
| Aug Proj.        | 27,094                | 26,710 | 54,026         | 42,615  | 5,939  | 49,092              | 103,117               | 8,983          | 217.9          |
| 2019 I*          | 6,515                 | 6,890  | 13,459         | 10,600  | 1,475  | 12,202              | 25,661                | 2,240          | 55.0           |
| II*              | 6,975                 | 6,690  | 13,720         | 10,870  | 1,465  | 12,476              | 26,196                | 2,265          | 56.7           |
| Annual           |                       |        |                |         |        |                     |                       |                |                |
| Jul Proj.        | 27,690                | 27,700 | 55,607         | 43,360  | 5,970  | 49,876              | 105,483               | 9,130          | 220.6          |
| Aug Proj.        | 27,720                | 27,875 | 55,812         | 43,420  | 5,970  | 49,936              | 105,748               | 9,130          | 220.9          |

\* Projection. 1/ Commercial production for red meats; federally inspected for poultry meats. 2/ Beef, pork, veal and lamb & mutton. 3/ Broilers, turkeys and mature chicken.

## U.S. Quarterly Prices for Animal Products

| Year and Quarter | Steers<br>2/    | Barrows<br>and gilts<br>3/ | Broilers<br>4/   | Turkeys<br>5/    | Eggs<br>6/        | Milk<br>7/      |
|------------------|-----------------|----------------------------|------------------|------------------|-------------------|-----------------|
|                  | <i>Dol./cwt</i> | <i>Dol./cwt</i>            | <i>Cents/lb.</i> | <i>Cents/lb.</i> | <i>Cents/doz.</i> | <i>Dol./cwt</i> |
| 2017 III         | 112.46          | 55.59                      | 94.9             | 96.9             | 102.1             | 17.73           |
| IV               | 117.88          | 44.89                      | 86.1             | 88.0             | 147.0             | 17.83           |
| Annual           | 121.52          | 50.48                      | 93.5             | 96.1             | 100.9             | 17.65           |
| 2018 I           | 125.60          | 49.12                      | 95.7             | 79.4             | 179.6             | 15.67           |
| II               | 116.72          | 47.91                      | 115.1            | 79.6             | 124.4             | 16.10           |
| III*             | 107-111         | 45-47                      | 97-99            | 79-81            | 130-134           | 15.80-16.10     |
| IV*              | 109-115         | 33-35                      | 89-95            | 87-93            | 131-139           | 16.80-17.40     |
| Annual           |                 |                            |                  |                  |                   |                 |
| Jul Proj.        | 114-117         | 45-46                      | 102-105          | 81-84            | 140-144           | 15.95-16.25     |
| Aug Proj.        | 115-117         | 44-45                      | 99-101           | 81-83            | 141-144           | 16.10-16.30     |
| 2019 I*          | 116-126         | 37-41                      | 94-102           | 77-83            | 115-125           | 16.55-17.45     |
| II*              | 118-128         | 41-45                      | 104-112          | 82-88            | 110-120           | 16.10-17.10     |
| Annual           |                 |                            |                  |                  |                   |                 |
| Jul Proj.        | 113-122         | 40-44                      | 97-105           | 84-91            | 119-129           | 16.25-17.25     |
| Aug Proj.        | 113-122         | 39-42                      | 96-104           | 84-91            | 119-129           | 16.45-17.45     |

\*Projection. 1/ Simple average of months. 2/ 5-Area, Direct, Total all grades 3/ National Base, Live equiv 51-52% lean. 4/ Wholesale, National Composite Weighted Average. 5/ 8-16 lbs, hens National. 6/ Grade A large, New York, volume buyers. 7/ Prices received by farmers for all milk.

## WASDE - 580 - 32

## U.S. Meats Supply and Use

|                          |                  | Beginning Production |         | Imports | Total Supply | Exports | Ending Stocks | Total Use | Per Capita<br>2/ 3/ |
|--------------------------|------------------|----------------------|---------|---------|--------------|---------|---------------|-----------|---------------------|
|                          |                  | stocks               | 1/      |         |              |         |               |           |                     |
| <i>Million Pounds /4</i> |                  |                      |         |         |              |         |               |           |                     |
| Beef                     | 2017             | 757                  | 26,250  | 2,993   | 30,000       | 2,860   | 649           | 26,492    | 56.9                |
|                          | 2018 Proj. Jul   | 649                  | 27,213  | 3,052   | 30,913       | 3,070   | 680           | 27,163    | 57.9                |
|                          | Aug              | 649                  | 27,157  | 3,037   | 30,842       | 3,124   | 680           | 27,038    | 57.7                |
|                          | 2019 Proj. Jul   | 680                  | 27,753  | 3,140   | 31,573       | 3,165   | 690           | 27,718    | 58.7                |
|                          | Aug              | 680                  | 27,783  | 3,140   | 31,603       | 3,205   | 690           | 27,708    | 58.7                |
|                          | Pork             | 2017                 | 507     | 25,598  | 1,116        | 27,221  | 5,632         | 554       | 21,035              |
| 2018 Proj. Jul           |                  | 554                  | 26,759  | 1,144   | 28,457       | 5,991   | 575           | 21,891    | 51.8                |
| Aug                      |                  | 554                  | 26,723  | 1,129   | 28,407       | 5,969   | 550           | 21,888    | 51.7                |
| 2019 Proj. Jul           |                  | 575                  | 27,714  | 1,165   | 29,454       | 6,165   | 585           | 22,704    | 53.3                |
| Aug                      |                  | 550                  | 27,889  | 1,165   | 29,604       | 6,095   | 585           | 22,924    | 53.9                |
| Total Red Meat 5/        |                  | 2017                 | 1,304   | 52,078  | 4,361        | 57,744  | 8,497         | 1,246     | 48,000              |
|                          | 2018 Proj. Jul   | 1,246                | 54,206  | 4,455   | 59,907       | 9,068   | 1,310         | 49,529    | 111.0               |
|                          | Aug              | 1,246                | 54,113  | 4,434   | 59,793       | 9,100   | 1,285         | 49,409    | 110.7               |
|                          | 2019 Proj. Jul   | 1,310                | 55,695  | 4,568   | 61,573       | 9,338   | 1,330         | 50,905    | 113.4               |
|                          | Aug              | 1,285                | 55,900  | 4,584   | 61,769       | 9,308   | 1,330         | 51,131    | 113.9               |
|                          | Broiler          | 2017                 | 778     | 41,217  | 126          | 42,120  | 6,791         | 856       | 34,473              |
| 2018 Proj. Jul           |                  | 856                  | 42,040  | 127     | 43,023       | 6,938   | 840           | 35,245    | 92.2                |
| Aug                      |                  | 856                  | 42,159  | 126     | 43,141       | 6,869   | 860           | 35,412    | 92.7                |
| 2019 Proj. Jul           |                  | 840                  | 42,896  | 129     | 43,865       | 7,100   | 860           | 35,905    | 93.4                |
| Aug                      |                  | 860                  | 42,955  | 129     | 43,944       | 7,045   | 860           | 36,039    | 93.7                |
| Turkey                   |                  | 2017                 | 279     | 5,981   | 25           | 6,284   | 622           | 310       | 5,352               |
|                          | 2018 Proj. Jul   | 310                  | 5,942   | 26      | 6,278        | 663     | 300           | 5,315     | 16.2                |
|                          | Aug              | 310                  | 5,939   | 25      | 6,273        | 630     | 300           | 5,343     | 16.3                |
|                          | 2019 Proj. Jul   | 300                  | 5,970   | 28      | 6,298        | 655     | 310           | 5,333     | 16.1                |
|                          | Aug              | 300                  | 5,970   | 28      | 6,298        | 640     | 310           | 5,348     | 16.2                |
|                          | Total Poultry 6/ | 2017                 | 1,065   | 47,732  | 154          | 48,951  | 7,544         | 1,170     | 40,236              |
| 2018 Proj. Jul           |                  | 1,170                | 48,516  | 157     | 49,843       | 7,701   | 1,144         | 40,998    | 109.8               |
| Aug                      |                  | 1,170                | 48,635  | 154     | 49,959       | 7,592   | 1,164         | 41,204    | 110.3               |
| 2019 Proj. Jul           |                  | 1,144                | 49,411  | 161     | 50,716       | 7,890   | 1,177         | 41,649    | 110.8               |
| Aug                      |                  | 1,164                | 49,471  | 161     | 50,796       | 7,801   | 1,177         | 41,818    | 111.2               |
| Red Meat & Poultry       |                  | 2017                 | 2,369   | 99,810  | 4,515        | 106,694 | 16,041        | 2,416     | 88,237              |
|                          | 2018 Proj. Jul   | 2,416                | 102,722 | 4,612   | 109,750      | 16,769  | 2,454         | 90,527    | 220.7               |
|                          | Aug              | 2,416                | 102,748 | 4,588   | 109,753      | 16,691  | 2,449         | 90,613    | 221.0               |
|                          | 2019 Proj. Jul   | 2,454                | 105,106 | 4,729   | 112,289      | 17,228  | 2,507         | 92,554    | 224.1               |
|                          | Aug              | 2,449                | 105,370 | 4,745   | 112,564      | 17,109  | 2,507         | 92,948    | 225.1               |

1/ Total including farm production for red meats and, for poultry, federally inspected plus non-federally inspected, less condemnations. 2/ Pounds, retail-weight basis for red meat and broilers; certified ready-to-cook weight for turkey. 3/ Population source: Dept. of Commerce. 4/ Carcass weight for red meats and certified ready-to-cook weight for poultry. 5/ Beef, pork, veal, lamb and mutton. 6/ Broilers, turkeys and mature chicken.



## WASDE - 580 - 33

## U.S. Egg Supply and Use

|                     | 2016                 | 2017           | 2018 Proj.     | 2018 Proj.     | 2019 Proj.     | 2019 Proj.     |
|---------------------|----------------------|----------------|----------------|----------------|----------------|----------------|
|                     |                      |                | Jul            | Aug            | Jul            | Aug            |
| <b>Eggs</b>         | <i>Million Dozen</i> |                |                |                |                |                |
| <b>Supply</b>       |                      |                |                |                |                |                |
| Beginning Stocks    | 73.6                 | 142.2          | 87.5           | 87.5           | 75.0           | 75.0           |
| Production          | 8,578.7              | 8,807.8        | 8,970.6        | 8,982.6        | 9,130.0        | 9,130.0        |
| Imports             | 129.5                | 34.2           | 28.0           | 22.1           | 35.0           | 27.0           |
| <b>Total Supply</b> | <b>8,781.8</b>       | <b>8,984.1</b> | <b>9,086.1</b> | <b>9,092.2</b> | <b>9,240.0</b> | <b>9,232.0</b> |
| <b>Use</b>          |                      |                |                |                |                |                |
| Exports             | 304.2                | 354.9          | 341.9          | 336.4          | 340.0          | 340.0          |
| Hatching Use        | 1,009.6              | 1,034.9        | 1,067.0        | 1,065.6        | 1,085.0        | 1,085.0        |
| Ending Stocks       | 142.2                | 87.5           | 75.0           | 75.0           | 80.0           | 80.0           |
| Disappearance       |                      |                |                |                |                |                |
| <b>Total</b>        | <b>7,325.8</b>       | <b>7,506.9</b> | <b>7,602.2</b> | <b>7,615.2</b> | <b>7,735.0</b> | <b>7,727.0</b> |
| Per Capita (number) | 271.6                | 276.3          | 277.9          | 278.4          | 281.0          | 280.7          |

## U.S. Milk Supply and Use

|                                | 2016                  | 2017         | 2018 Proj.   | 2018 Proj.   | 2019 Proj.   | 2019 Proj.   |
|--------------------------------|-----------------------|--------------|--------------|--------------|--------------|--------------|
|                                |                       |              | Jul          | Aug          | Jul          | Aug          |
| <b>Milk</b>                    | <i>Billion Pounds</i> |              |              |              |              |              |
| <b>Production</b>              |                       |              |              |              |              |              |
| Farm Use                       | 1.0                   | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          |
| <b>Fat Basis Supply</b>        |                       |              |              |              |              |              |
| Beg. Commercial Stocks         | 12.3                  | 12.7         | 13.4         | 13.4         | 13.5         | 13.5         |
| Marketings                     | 211.4                 | 214.5        | 216.9        | 216.9        | 219.6        | 219.9        |
| Imports                        | 6.9                   | 6.0          | 5.9          | 6.0          | 5.6          | 5.6          |
| <b>Total Cml. Supply</b>       | <b>230.7</b>          | <b>233.2</b> | <b>236.2</b> | <b>236.3</b> | <b>238.7</b> | <b>239.0</b> |
| <b>Fat Basis Use</b>           |                       |              |              |              |              |              |
| Commercial Exports             | 8.4                   | 9.2          | 10.2         | 10.4         | 9.9          | 9.9          |
| Ending Commercial Stocks       | 12.7                  | 13.4         | 13.5         | 13.5         | 12.5         | 12.5         |
| CCC Donations                  | 0.0                   | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| <b>Domestic Commercial Use</b> | <b>209.6</b>          | <b>210.5</b> | <b>212.5</b> | <b>212.4</b> | <b>216.3</b> | <b>216.6</b> |
| <b>Skim-solid Basis Supply</b> |                       |              |              |              |              |              |
| Beg. Commercial Stocks         | 9.2                   | 9.5          | 11.8         | 11.8         | 10.5         | 10.5         |
| Marketings                     | 211.4                 | 214.5        | 216.9        | 216.9        | 219.6        | 219.9        |
| Imports                        | 6.5                   | 6.1          | 5.6          | 5.6          | 5.6          | 5.5          |
| <b>Total Cml. Supply</b>       | <b>227.1</b>          | <b>230.1</b> | <b>234.3</b> | <b>234.3</b> | <b>235.7</b> | <b>235.9</b> |
| <b>Skim-solid Basis Use</b>    |                       |              |              |              |              |              |
| Commercial Exports             | 39.1                  | 40.7         | 46.0         | 45.4         | 44.9         | 44.8         |
| Ending Commercial Stocks       | 9.5                   | 11.8         | 10.5         | 10.5         | 10.8         | 10.5         |
| CCC Donations                  | 0.0                   | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| <b>Domestic Commercial Use</b> | <b>178.5</b>          | <b>177.6</b> | <b>177.8</b> | <b>178.4</b> | <b>180.0</b> | <b>180.6</b> |

Note: Totals may not add due to rounding.

## WASDE - 580 - 34

## U.S. Dairy Prices

|                          | 2016   | 2017   | 2018 Proj.<br>Jul        | 2018 Proj.<br>Aug | 2019 Proj.<br>Jul | 2019 Proj.<br>Aug |
|--------------------------|--------|--------|--------------------------|-------------------|-------------------|-------------------|
| <b>Product Prices 1/</b> |        |        | <i>Dollars Per Pound</i> |                   |                   |                   |
| Cheese                   | 1.6050 | 1.6344 | 1.540-<br>1.570          | 1.550-<br>1.570   | 1.575-<br>1.675   | 1.590-<br>1.690   |
| Butter                   | 2.0777 | 2.3303 | 2.245-<br>2.305          | 2.265-<br>2.305   | 2.220-<br>2.350   | 2.220-<br>2.350   |
| Nonfat Dry Milk          | 0.8292 | 0.8666 | 0.730-<br>0.760          | 0.755-<br>0.775   | 0.740-<br>0.810   | 0.755-<br>0.825   |
| Dry Whey                 | 0.2875 | 0.4437 | 0.275-<br>0.295          | 0.295-<br>0.315   | 0.280-<br>0.310   | 0.300-<br>0.330   |
|                          |        |        | <i>Dollars Per Cwt</i>   |                   |                   |                   |
| <b>Milk Prices 2/</b>    |        |        |                          |                   |                   |                   |
| Class III                | 14.87  | 16.17  | 14.30-<br>14.60          | 14.50-<br>14.70   | 14.70-<br>15.70   | 14.95-<br>15.95   |
| Class IV                 | 13.77  | 15.16  | 13.65-<br>14.05          | 13.95-<br>14.25   | 13.65-<br>14.75   | 13.75-<br>14.85   |
| All Milk 3/              | 16.30  | 17.65  | 15.95-<br>16.25          | 16.10-<br>16.30   | 16.25-<br>17.25   | 16.45-<br>17.45   |

1/ Simple average of monthly prices calculated by AMS from weekly average dairy product prices for class price computations. 2/ Annual Class III and Class IV prices are the simple averages of monthly minimum Federal order milk prices paid by regulated plants for milk used in the respective classes. All milk price is the simple average of monthly prices received by farmers for milk at average test. 3/ Does not reflect any deductions from producers as authorized by legislation.

## WASDE - 580 - 35

## Reliability of August Projections 1/

Note: Tables on pages 35-37 present a record of the August projection and the final Estimate. Using world wheat production as an example, the "root mean square error" means that chances are 2 out of 3 that the current forecast will not be above or below the final estimate by more than 2.3 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 4 percent. The average difference between the August projection and the final estimate is 11.1 million tons, ranging from 0.2 million to 32.1 million tons. The August projection has been below the estimate 25 times and above 12 times.

|                         | Differences between forecast and final estimate |                                |                            |          |         |                   |                   |  |
|-------------------------|---|--------------------------------|----------------------------|----------|---------|-------------------|-------------------|--|
|                         | Root mean square error                          | 90 percent confidence interval | Average                    | Smallest | Largest | Years Below Final | Years Above Final |  |
|                         | <i>Percent</i>                                  |                                | <i>Million Metric Tons</i> |          |         |                   |                   |  |
| <b>WHEAT</b>            |   |                                |                            |          |         |                   |                   |  |
| Production              |   |                                |                            |          |         |                   |                   |  |
| World                   | 2.3   | 4.0                            | 11.1                       | 0.2      | 32.1    | 25                | 12                |  |
| U.S.                    | 2.3   | 4.0                            | 1.1                        | 0.0      | 4.2     | 15                | 22                |  |
| Foreign                 | 2.6   | 4.4                            | 10.9                       | 0.6      | 31.1    | 25                | 12                |  |
| Exports                 |   |                                |                            |          |         |                   |                   |  |
| World                   | 5.9   | 9.9                            | 6.2                        | 0.4      | 19.1    | 28                | 9                 |  |
| U.S.                    | 11.1  | 18.9                           | 2.7                        | 0.0      | 10.0    | 17                | 19                |  |
| Foreign                 | 7.3   | 12.4                           | 6.0                        | 0.3      | 20.5    | 27                | 10                |  |
| Domestic Use            |   |                                |                            |          |         |                   |                   |  |
| World                   | 1.8   | 3.1                            | 7.9                        | 0.2      | 23.4    | 20                | 17                |  |
| U.S.                    | 7.5   | 12.8                           | 2.0                        | 0.0      | 5.5     | 12                | 25                |  |
| Foreign                 | 1.8   | 3.1                            | 7.7                        | 0.2      | 22.0    | 23                | 14                |  |
| Ending Stocks           |   |                                |                            |          |         |                   |                   |  |
| World                   | 9.3   | 15.8                           | 11.0                       | 0.3      | 31.2    | 28                | 9                 |  |
| U.S.                    | 15.5  | 26.2                           | 3.0                        | 0.5      | 12.6    | 23                | 14                |  |
| Foreign                 | 10.0  | 17.0                           | 9.5                        | 0.2      | 28.7    | 28                | 9                 |  |
| <b>COARSE GRAINS 2/</b> |   |                                |                            |          |         |                   |                   |  |
| Production              |   |                                |                            |          |         |                   |                   |  |
| World                   | 2.4   | 4.0                            | 17.7                       | 0.4      | 51.0    | 28                | 9                 |  |
| U.S.                    | 6.2   | 10.5                           | 9.7                        | 0.0      | 31.4    | 24                | 13                |  |
| Foreign                 | 2.4   | 4.1                            | 13.9                       | 0.7      | 39.5    | 25                | 12                |  |
| Exports                 |   |                                |                            |          |         |                   |                   |  |
| World                   | 7.3   | 12.4                           | 7.0                        | 0.1      | 23.8    | 25                | 12                |  |
| U.S.                    | 21.2  | 35.9                           | 7.5                        | 0.4      | 19.7    | 16                | 21                |  |
| Foreign                 | 14.5  | 24.5                           | 7.6                        | 1.4      | 19.9    | 24                | 13                |  |
| Domestic Use            |   |                                |                            |          |         |                   |                   |  |
| World                   | 1.7   | 2.9                            | 13.0                       | 0.2      | 36.8    | 21                | 16                |  |
| U.S.                    | 4.2   | 7.1                            | 6.7                        | 0.2      | 17.0    | 22                | 15                |  |
| Foreign                 | 1.8   | 3.1                            | 11.0                       | 1.1      | 35.8    | 23                | 14                |  |
| Ending Stocks           |   |                                |                            |          |         |                   |                   |  |
| World                   | 14.7  | 25.0                           | 17.5                       | 0.1      | 53.5    | 29                | 8                 |  |
| U.S.                    | 28.6  | 48.6                           | 10.0                       | 0.3      | 43.5    | 18                | 19                |  |
| Foreign                 | 15.1  | 25.6                           | 12.1                       | 0.2      | 42.5    | 29                | 8                 |  |
| <b>RICE, milled</b>     |   |                                |                            |          |         |                   |                   |  |
| Production              |   |                                |                            |          |         |                   |                   |  |
| World                   | 2.3   | 4.0                            | 6.4                        | 0.1      | 24.4    | 24                | 13                |  |
| U.S.                    | 5.3   | 9.1                            | 0.3                        | 0.0      | 0.6     | 19                | 18                |  |
| Foreign                 | 2.4   | 4.0                            | 6.4                        | 0.4      | 24.7    | 25                | 12                |  |
| Exports                 |   |                                |                            |          |         |                   |                   |  |
| World                   | 9.2   | 15.5                           | 1.6                        | 0.0      | 6.9     | 27                | 10                |  |
| U.S.                    | 11.7  | 19.9                           | 0.2                        | 0.0      | 1.0     | 19                | 16                |  |
| Foreign                 | 10.2  | 17.3                           | 1.6                        | 0.1      | 6.8     | 26                | 11                |  |
| Domestic Use            |   |                                |                            |          |         |                   |                   |  |
| World                   | 1.9   | 3.2                            | 4.3                        | 0.1      | 23.5    | 28                | 9                 |  |
| U.S.                    | 8.6   | 14.5                           | 0.2                        | 0.0      | 0.5     | 16                | 21                |  |
| Foreign                 | 1.9   | 3.2                            | 4.3                        | 0.0      | 24.0    | 27                | 10                |  |
| Ending Stocks           |   |                                |                            |          |         |                   |                   |  |
| World                   | 12.4  | 21.0                           | 5.7                        | 0.1      | 20.9    | 29                | 8                 |  |
| U.S.                    | 29.4  | 49.9                           | 0.2                        | 0.0      | 1.0     | 22                | 14                |  |
| Foreign                 | 13.4  | 22.7                           | 5.7                        | 0.1      | 20.9    | 29                | 8                 |  |

1/ Footnotes at end of table.

CONTINUED

## WASDE - 580 - 36

## Reliability of August Projections (Continued) 1/

|               | Differences between forecast and final estimate |                                |         |                            |         |                   |                   |
|---------------|---|--------------------------------|---------|----------------------------|---------|-------------------|-------------------|
|               | Root mean square error                          | 90 percent confidence interval | Average | Smallest                   | Largest | Years Below Final | Years Above Final |
| SOYBEANS      | <i>Percent</i>                                  |                                |         | <i>Million Metric Tons</i> |         |                   |                   |
| Production    |   |                                |         |                            |         |                   |                   |
| World         | 4.8   | 8.1                            | 7.4     | 0.3                        | 26.7    | 22                | 15                |
| U.S.          | 6.2   | 10.5                           | 3.4     | 0.0                        | 11.1    | 21                | 15                |
| Foreign       | 7.7   | 13.1                           | 6.9     | 1.1                        | 26.4    | 19                | 18                |
| Exports       |   |                                |         |                            |         |                   |                   |
| World         | 7.1   | 12.1                           | 3.1     | 0.2                        | 11.6    | 25                | 12                |
| U.S.          | 12.2  | 20.7                           | 2.8     | 0.0                        | 7.1     | 22                | 14                |
| Foreign       | 19.7  | 33.4                           | 2.7     | 0.0                        | 9.4     | 18                | 19                |
| Domestic Use  |   |                                |         |                            |         |                   |                   |
| World         | 3.6   | 6.0                            | 4.8     | 0.0                        | 15.9    | 24                | 13                |
| U.S.          | 5.1   | 8.7                            | 1.8     | 0.0                        | 4.6     | 24                | 13                |
| Foreign       | 4.1   | 7.0                            | 4.4     | 0.6                        | 11.3    | 23                | 14                |
| Ending Stocks |   |                                |         |                            |         |                   |                   |
| World         | 17.1  | 28.9                           | 4.7     | 0.1                        | 23.5    | 19                | 18                |
| U.S.          | 45.8  | 77.7                           | 2.5     | 0.3                        | 7.3     | 12                | 25                |
| Foreign       | 19.3  | 32.7                           | 4.6     | 0.2                        | 21.3    | 22                | 15                |
| COTTON        | <i>Million 480-Pound Bales</i>                  |                                |         |                            |         |                   |                   |
| Production    |   |                                |         |                            |         |                   |                   |
| World         | 5.1   | 8.6                            | 3.5     | 0.0                        | 13.2    | 21                | 15                |
| U.S.          | 7.6   | 12.9                           | 1.0     | 0.0                        | 3.9     | 19                | 17                |
| Foreign       | 5.5   | 9.4                            | 3.2     | 0.0                        | 10.9    | 21                | 15                |
| Exports       |   |                                |         |                            |         |                   |                   |
| World         | 9.8   | 16.6                           | 2.4     | 0.1                        | 10.2    | 18                | 19                |
| U.S.          | 21.9  | 37.2                           | 1.2     | 0.0                        | 3.2     | 20                | 17                |
| Foreign       | 12.7  | 21.5                           | 1.8     | 0.1                        | 8.5     | 19                | 18                |
| Domestic Use  |   |                                |         |                            |         |                   |                   |
| World         | 4.0   | 6.8                            | 3.0     | 0.3                        | 14.2    | 15                | 22                |
| U.S.          | 8.9   | 15.2                           | 0.4     | 0.0                        | 1.3     | 18                | 16                |
| Foreign       | 4.1   | 6.9                            | 2.9     | 0.3                        | 13.4    | 16                | 21                |
| Ending Stocks |   |                                |         |                            |         |                   |                   |
| World         | 15.1  | 25.6                           | 5.5     | 0.2                        | 14.2    | 25                | 12                |
| U.S.          | 40.7  | 69.1                           | 1.5     | 0.0                        | 5.1     | 13                | 23                |
| Foreign       | 15.3  | 25.9                           | 4.9     | 0.1                        | 14.0    | 27                | 10                |

1/ Marketing years 1981/82 through 2017/18 for grains, soybeans and cotton. Final for grains, soybeans and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2016/17, and for 2017/18 the last month's estimate. 2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

## WASDE - 580 - 37

## Reliability of United States August Projections 1/

|                     | Differences between forecast and final estimate |                                |                            |          |         |                   |                   |
|---------------------|---|--------------------------------|----------------------------|----------|---------|-------------------|-------------------|
|                     | Root mean square error                          | 90 percent confidence interval | Average                    | Smallest | Largest | Years Below Final | Years Above Final |
| <b>CORN</b>         | <i>Percent</i>                                  |                                | <i>Million Bushels</i>     |          |         |                   |                   |
| Production          | 6.7   | 11.3                           | 363                        | 1        | 1,079   | 23                | 14                |
| Exports             | 22.1  | 37.5                           | 267                        | 12       | 750     | 16                | 21                |
| Domestic Use        | 4.6   | 7.8                            | 275                        | 10       | 590     | 24                | 13                |
| Ending Stocks       | 34.1  | 57.8                           | 365                        | 12       | 1,674   | 17                | 20                |
| <b>SORGHUM</b>      |   |                                |                            |          |         |                   |                   |
| Production          | 8.1   | 13.7                           | 33                         | 1        | 108     | 20                | 17                |
| Exports             | 29.3  | 49.7                           | 41                         | 1        | 160     | 18                | 19                |
| Domestic Use        | 26.4  | 44.8                           | 42                         | 0        | 130     | 17                | 18                |
| Ending Stocks       | 55.1  | 93.5                           | 37                         | 2        | 201     | 14                | 23                |
| <b>BARLEY</b>       |   |                                |                            |          |         |                   |                   |
| Production          | 6.2   | 10.6                           | 15                         | 1        | 67      | 14                | 23                |
| Exports             | 66.9  | 113.5                          | 13                         | 0        | 82      | 16                | 18                |
| Domestic Use        | 10.2  | 17.3                           | 24                         | 0        | 82      | 12                | 24                |
| Ending Stocks       | 19.4  | 32.9                           | 22                         | 0        | 94      | 18                | 18                |
| <b>OATS</b>         |   |                                |                            |          |         |                   |                   |
| Production          | 9.6   | 16.3                           | 14                         | 1        | 57      | 7                 | 30                |
| Exports             | 98.2  | 166.7                          | 1                          | 0        | 8       | 9                 | 12                |
| Domestic Use        | 6.6   | 11.2                           | 14                         | 1        | 39      | 11                | 26                |
| Ending Stocks       | 24.1  | 40.8                           | 15                         | 2        | 40      | 17                | 20                |
| <b>SOYBEAN MEAL</b> |   |                                | <i>Thousand Short Tons</i> |          |         |                   |                   |
| Production          | 5.1   | 8.7                            | 1,395                      | 32       | 3,669   | 26                | 11                |
| Exports             | 16.2  | 27.4                           | 971                        | 50       | 3,500   | 23                | 14                |
| Domestic Use        | 4.1   | 7.0                            | 828                        | 24       | 3,800   | 22                | 15                |
| Ending Stocks       | 43.7  | 74.2                           | 52                         | 0        | 428     | 11                | 14                |
| <b>SOYBEAN OIL</b>  |   |                                | <i>Million Pounds</i>      |          |         |                   |                   |
| Production          | 5.1   | 8.6                            | 673                        | 11       | 2,290   | 24                | 13                |
| Exports             | 33.3  | 56.6                           | 398                        | 0        | 1,575   | 17                | 17                |
| Domestic Use        | 4.3   | 7.2                            | 464                        | 8        | 2,200   | 24                | 13                |
| Ending Stocks       | 33.4  | 56.6                           | 475                        | 0        | 1,472   | 20                | 16                |
| <b>ANIMAL PROD.</b> |   |                                | <i>Million Pounds</i>      |          |         |                   |                   |
| Beef                | 4.1   | 7.0                            | 819                        | 110      | 2,536   | 25                | 11                |
| Pork                | 3.1   | 5.2                            | 409                        | 10       | 1,375   | 22                | 14                |
| Broilers            | 2.3   | 3.8                            | 570                        | 49       | 1,338   | 20                | 16                |
| Turkeys             | 3.8   | 6.5                            | 146                        | 2        | 458     | 21                | 15                |
|                     |   |                                | <i>Million Dozen</i>       |          |         |                   |                   |
| Eggs                | 1.8   | 3.1                            | 105                        | 4        | 394     | 24                | 12                |
|                     |   |                                | <i>Billion Pounds</i>      |          |         |                   |                   |
| Milk                | 1.7   | 2.8                            | 2.0                        | 0.0      | 7.0     | 19                | 13                |

1/ See pages 35 and 36 for record of reliability for U.S. wheat, rice, soybeans, and cotton. Marketing years 1981/82 through 2017/18 for grains, soybeans, and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2016/17, and for 2017/18 the last month's estimate. Calendar years 1994 through 2017 for meats, eggs, and milk. Final for animal products is defined as the latest annual production estimate published by NASS for 1994-2017.

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## Related USDA Reports

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The *WASDE* report incorporates information from a number of statistical reports published by USDA and other government agencies. In turn, the *WASDE* report provides a framework for more detailed reports issued by USDA's Economic Research Service and Foreign Agricultural Service. For more information on how the *WASDE* report is prepared, go to: <http://www.usda.gov/oce/commodity/wasde>.

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## Supply and Demand Database

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The Foreign Agricultural Service publishes Production, Supply, and Demand Online, a comprehensive database of supply and demand balances by commodity for 190 countries and regions at <https://apps.fas.usda.gov/psdonline/app/index.html>. Data for grains, oilseeds, and cotton are updated monthly and data for other commodities are updated less frequently.

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## Foreign Production Assessments

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Preliminary foreign production assessments and satellite imagery analysis used to prepare the *WASDE* report are provided by the Production Estimates and Crop Assessment Division (PECAD) of the Foreign Agricultural Service. PECAD is located at [www.pecad.fas.usda.gov/](http://www.pecad.fas.usda.gov/).

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## Metric Conversion Factors

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**1 Hectare = 2.4710 Acres**

**1 Kilogram = 2.20462 Pounds**

| <b>Metric-Ton Equivalent</b> | <b>= Domestic Unit</b> | <b>Factor</b> |
|------------------------------|------------------------|---------------|
| Wheat & Soybeans             | bushels                | .027216       |
| Rice                         | cwt                    | .045359       |
| Corn, Sorghum, & Rye         | bushels                | .025401       |
| Barley                       | bushels                | .021772       |
| Oats                         | bushels                | .014515       |
| Sugar                        | short tons             | .907185       |
| Cotton                       | 480-lb bales           | .217720       |



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## World Agricultural Supply and Demand Estimates

WASDE-580 – August 10, 2018

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