

# World Agricultural Supply and Demand Estimates

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WASDE - 600

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**WHEAT:** The initial outlook for 2020/21 U.S. wheat is for smaller supplies, decreased domestic use, lower exports, and reduced stocks. Supplies are decreased by 121 million bushels from 2019/20 on lower carry-in stocks and smaller production. The 2020/21 U.S. wheat crop is projected at 1,866 million bushels, down 3 percent from last year on lower yields offsetting higher harvested acreage. The all-wheat yield is projected at 49.5 bushels per acre, down 2.2 bushels from last year. The first 2020 NASS survey-based winter wheat production forecast of 1,255 million bushels is down 4 percent from 2019, on lower Hard Red Winter and White Winter production. Total 2020/21 domestic use is projected down nearly 3 percent on reduced feed and residual use as record-large 2020/21 corn supplies are expected to displace wheat for feeding. Higher food use is partially offsetting as 2020/21 is projected up 2 million bushels to 964 million, up from a revised 2019/20 estimate of 962 million, which was raised 7 million this month. The NASS *Flour Milling Products* report, issued on May 1, indicated an unusually large volume of wheat was ground for flour in the first quarter of 2020. Exports for 2020/21 are projected at 950 million bushels, down 20 million from the revised 2019/20 exports. Greater global 2020/21 export competition is expected for the United States with several major exporters projected having larger supplies. Projected 2020/21 ending stocks are 69 million bushels lower than last year at 909 million. The projected season-average farm price is \$4.60 per bushel, unchanged from last year as the outlook for low U.S. corn prices is expected to restrain 2020/21 U.S. wheat prices.

The initial outlook for 2020/21 international wheat is for larger supplies, increased trade, greater consumption, and higher ending stocks. Foreign supplies are projected to increase 23.2 million tons to 982.4 million as several major exporters (Argentina, Australia, Canada, and Russia) are projected to have higher production for 2020/21. Australia is projected with the largest increase from last year to 24.0 million tons, up 8.8 million as it recovers from a multi-year drought. Conversely, the EU is projected to decline nearly 12 million tons to 143.0 million on lower harvested area and yields. Ukraine production is also projected lower at 28.0 million tons, but this would still be the second-largest production on record.

Projected 2020/21 global trade is 4.6 million tons, or more than 2 percent higher, at a record-high 188.0 million on greater exportable supplies. Imports are projected to rise, primarily on increased demand by China, Algeria, Morocco, the EU, Iraq, and Uzbekistan. Russia is projected as the 2020/21 leading world wheat exporter at 35.0 million tons with Argentina, Australia, and Canada also projected higher while the EU, Ukraine, and United States are lower. Projected 2020/21 world consumption is increased 4.9 million tons to a record-large 753.5 million as higher food, seed, and industrial use more than offsets reduced feed use on greater global corn supplies. Projected 2020/21 world ending stocks increased 5 percent to a record-large 310.1 million tons with China accounting for 52 percent of the total.

**COARSE GRAINS:** The U.S. feed-grain outlook for 2020/21 is for record high production and domestic use, greater exports, and larger ending stocks. The corn crop is projected at a record 16.0 billion bushels, up from last year on increased area and a return to trend yield. The yield projection of 178.5 bushels per acre is based on a weather-adjusted trend assuming normal planting progress and summer growing season weather, estimated using the 1988-2019 time period. Despite

beginning stocks that are down slightly from a year ago, total corn supplies are forecast record high at 18.1 billion bushels.

Total U.S. corn use in 2020/21 is forecast to rise relative to a year ago with increases for domestic use and exports. Food, seed, and industrial (FSI) use is projected to rise 245 million bushels to 6.6 billion. Corn used for ethanol is projected to increase from the 2019/20 COVID-19 reduced levels, based on expectations of a rebound in U.S. motor gasoline consumption. Sorghum FSI for 2020/21 is lower as expectations of increased sorghum import demand from China reduce available domestic supplies. Corn feed and residual use is projected higher mostly reflecting a larger crop and lower expected prices.

U.S. 2020/21 corn exports are forecast to rise 375 million bushels to 2,150 million, driven by growth in world corn trade. U.S. market share is expected to increase from the 2019/20 multi-year low, but remains below the average level seen during 2015/16 to 2019/20 with expected competition from Argentina, Brazil, and Ukraine.

With total U.S. corn supply rising more than use, 2020/21 U.S. ending stocks are up 1.2 billion bushels from last year and if realized would be the highest since 1987/88. Stocks relative to use at 22.4 percent would be the highest since 1992/93. With larger stocks relative to use, the season-average farm price is projected at \$3.20 per bushel, down 40 cents from 2019/20 and the lowest since 2006/07.

The global coarse grain outlook for 2020/21 is for record production and use and larger ending stocks. World corn production is forecast record-high, with the largest increases for the United States, Brazil, Ukraine, Mexico, and Canada. Global corn use is expected to grow 4 percent, with foreign consumption up 3 percent. Global corn imports are projected to increase 4 percent. Notable forecast increases in corn imports include the EU, Egypt, Mexico, Iran, Morocco, and Vietnam. Global corn ending stocks are up from a year ago, as a decline in foreign stocks is more than offset by an increase for the United States. Excluding China and the United States, ending stocks are up 4 percent relative to a year ago.

For China, total coarse grain imports are forecast at 18.3 million tons, up 1.3 million from 2019/20 but below the 2014/15 record of 25.7 million tons. Since 2001/02, China's largest individual coarse grain import total occurred during 2014/15 with 10.2 million tons of sorghum. Over that same time period realized corn imports reached a high of 5.5 million tons. Expectations are for robust demand from China in 2020/21, with 7.0 million tons of corn, 6.0 million of barley, and 5.0 million of sorghum imports from all sources.

**RICE:** For the 2019/20 market year, exports are reduced 1.0 million cwt to 98 million and the all rice season-average farm price (SAFP) is lowered \$0.20 per cwt to \$13.00. The 2020/21 outlook for U.S. rice is for larger supplies, exports, domestic use, and ending stocks. U.S. 2020/21 all rice production is projected at 216.2 million cwt, up 17 percent from the previous year. Partly offsetting the increased 2020/21 crop is a 32 percent decrease in beginning stocks. The total 2020/21 rice supply is projected at 279.3 million cwt, up 7 percent from last year. U.S. 2020/21 total use is projected at 237.5 million cwt, up 3 percent from the previous year with both domestic and residual use and exports higher. All rice ending stocks for 2020/21 are projected at 41.8 million cwt, up 37 percent from the previous year's low level. The 2020/21 SAFP is projected at \$12.90 per cwt, down \$0.10 from the 2019/20 revised SAFP.

World production for 2020/21 is projected at 502.0 million tons, a record, and up nearly 2 percent from the previous year. Thailand and China lead production increases with crops raised 2.4 million tons and 2.3 million tons, respectively. The largest production declines are for the Philippines and Brazil. Global rice consumption is projected at a record-large 498.1 million tons, up 7.9 million from the previous year. Global exports for 2020/21 are projected at 45.2 million tons, up 2.8 million tons

from the previous year. With supplies rising more than use, global 2020/21 ending stocks are a record-large 184.2 million tons with China and India respectively holding 64 and 21 percent.

**OILSEEDS:** The 2020/21 outlook for U.S. soybeans is for higher supplies, crush, exports, and lower ending stocks compared to 2019/20. The soybean crop is projected at 4.125 billion bushels, up 568 million from last year on increased harvested area and trend yields. Despite lower beginning stocks, soybean supplies are projected up 5 percent from 2019/20 to 4.720 billion bushels. Total U.S. oilseed production for 2020/21 is forecast at 123.2 million tons, up 16.1 million from 2019/20 mainly on higher soybean production. Production forecasts are also higher for sunflowerseed, peanuts, and cottonseed. Canola production is forecast lower on a reduced yield.

The U.S. soybean crush for 2020/21 is projected at 2.130 billion bushels, up slightly from the 2019/20 forecast with higher soybean meal disappearance partly offset by lower soybean meal exports. U.S. soybean exports are forecast at 2.050 billion bushels, up 375 million from the revised forecast for 2019/20. With higher global soybean import demand for 2020/21 led by expected gains for China, U.S. export share is expected to rise to 34 percent from the 2019/20 record low of 30 percent. U.S. ending stocks for 2020/21 are projected at 405 million bushels, down 175 million from the revised 2019/20 forecast. The 2020/21 U.S. season-average soybean price is projected at \$8.20 per bushel, down 30 cents from 2019/20. Soybean meal prices are forecast at \$290 per short ton, down \$10.00 from 2019/20. Soybean oil prices are forecast at 29.0 cents per pound, up 0.5 cents from 2019/20.

The global oilseed outlook for 2020/21 includes larger supplies with lower beginning stocks offset by record production; however, ending stocks are expected to decline modestly with rising use. Global oilseed production for 2020/21 is projected at a record 605.9 million tons, up 30.7 million from 2019/20 mainly on higher soybean production. Global soybean production is forecast up 26.6 million tons to 362.8 million, with Brazil's crop rising 7.0 million tons to 131.0 million, Argentina's crop is up 2.5 million tons to 53.5 million, and U.S. production rising from last year's decline. Partly offsetting are smaller soybean crops projected for China and Ukraine. Global production of high-oil content seeds is projected up 3 percent from 2019/20 on increased canola production for Canada, Australia, and Ukraine, and higher sunflowerseed production for Argentina and Ukraine. Partly offsetting is lower sunflowerseed production for Turkey.

Global protein meal consumption outside of China is projected to increase 2 percent in 2020/21, down from the prior 5-year average of 3 percent due to the slowing global economy. Protein meal consumption in China at 6 percent is stronger than the prior few years, however, as China recovers from the August 2018 outbreak of African Swine Fever. With higher protein meal demand, soybean exports are expected to increase 8.0 million tons to 161.9 million. China accounts for most of the increase in shipments with imports rising 4 million tons to 96 million. Global soybean ending stocks are projected at 98.4 million tons, down 1.9 million from 2019/20. Lower year-over-year U.S. stocks offset higher stocks in China, Brazil, and Argentina.

**SUGAR:** U.S. sugarbeet production for 2020/21 is projected at 33.672 million tons with yield forecast at 30.11 tons/acre. Slower-than-average planting progress in the Upper Midwest has dampened prospects for significant gains in the national yield over last year. Assuming average levels of beet pile shrink and slicing recovery, beet sugar production from this crop is projected at 4.965 million short tons, raw value (STRV). Beet sugar production for 2019/20 is estimated to fall slightly from last month due to processors' reporting. Cane sugar production for 2020/21 is projected at 4.040 million STRV. Production in Florida and Texas are expected to be close to prior year levels. Louisiana production is projected higher at 1.800 million STRV on a return to trend yield and recovery.

Imports for 2020/21 are projected at 3.461 million STRV. TRQ imports are projected at 1.395 million STRV with levels set at minimum levels consistent with the WTO and FTA bindings. Projected 2020/21 TRQ imports of specialty sugar include only the WTO minimum quantity as additional quantities have not been announced by the Secretary of Agriculture. The WTO raw sugar TRQ

shortfall for 2020/21 is projected at 99,208 STRV. High-tier tariff imports for 2020/21 are projected at 50,000 STRV. Imports from Mexico for 2020/21 are projected at 1.660 million STRV. Imports from Mexico for 2019/20 are reduced by 148,840 STRV to 1.050 million on lower production in Mexico. Deliveries to domestic users for 2020/21 are projected at 12.320 million STRV, flat with levels estimated for 2019/20. Ending stocks for 2020/21 are residually projected at 1.468 million STRV, implying a stocks-to-use ratio of 11.97 percent, up from 10.38 percent in 2019/20.

Mexico production for 2020/21 is set at 6.100 million metric tons (MT), assuming a return to normal weather and area harvested projected at about the same level as this year. Production for 2019/20 is reduced by 110,000 MT to 5.125 million, mainly on reduced area for harvest and below-average yields and sucrose recovery. Deliveries of high fructose corn syrup for 2020/21 are projected at 1.493 million MT, the same level as now estimated for 2019/20. Per capita sweetener deliveries for 2020/21 for human consumption are projected at the same level as in 2019/20, implying sugar deliveries at 4.140 million MT. IMMEX deliveries for 2020/21 from domestic and imported sources are projected at 435,000 MT, the same as estimated for 2019/20. Ending stocks for both 2020/21 and 2019/20 are set equal to 2.5 months of forecast domestic sugar deliveries before the start of the succeeding sugarcane harvest. Total exports are residually projected but exports to the United States are projected at the expected level of U.S. Needs as defined in the amended Suspension Agreements.

**LIVESTOCK, POULTRY, AND DAIRY:** Total U.S. red meat and poultry production for 2021 is projected to be above 2020 as the sector continues to recover from the impacts of COVID-19 in 2020. Beef production is forecast higher as cattle placements in 2020 are expected to shift toward the latter part of the year and be marketed and slaughtered in 2021. Heavier carcass weights are also expected to support higher production. Pork production is expected to increase as the sector recovers from the slaughter adjustments of 2020. Broiler production is expected to surpass 2020 levels on expectations of improved returns. Turkey and egg production are forecast higher as producers respond to favorable prices in 2020. For 2020, the total red meat and poultry production forecast is reduced from last month as the sector adjusts to COVID-19 and economic uncertainty. Beef production is reduced as lower expected cattle slaughter more than offsets heavier carcass weights. Pork production is forecast lower on a slower expected pace of slaughter. However, heavier hog carcass weights are expected to partially offset lower production. Broiler and turkey production are lowered from last month as producers respond to weaker demand and adjustments to the pace of slaughter due to COVID-19. Egg production for 2020 is also reduced from last month.

Red meat and poultry exports are expected to increase in 2021 on expanding production and an expected increase in global demand. For 2020, export forecasts for beef and pork are reduced on slower expected export growth due to economic weakness and reduced supplies. Broiler exports are raised on current trade data and firm demand; the turkey export forecast is virtually unchanged.

For 2021, fed cattle, hog, and broiler prices are forecast higher on stronger expected demand, despite larger production. The 2021 turkey price forecast is fractionally below 2020. Egg prices in 2021 are forecast lower on supply pressure. For 2020, fed cattle prices are forecast lower on current prices and weak demand. Hog prices are raised from last month on current prices and improved demand expectations as the year progresses. Broiler prices are forecast lower on current prices, while turkey and egg price forecasts are raised.

Milk production for 2021 is forecast higher than 2020 on stronger expected growth in milk per cow, despite a slightly smaller dairy cow herd. Commercial exports on a fat basis are about the same as 2020 while skim-solids basis exports are forecast higher than 2020 on relatively firm demand. Imports on both a fat basis and skim-solid basis are forecast above 2020. With improved domestic and export demand, all dairy products prices are forecast higher in 2021. Both Class III and Class IV prices are forecast higher on stronger product prices. The 2021 all milk price is forecast higher at \$15.00 per cwt.

The 2020 milk production forecast is raised from the previous month primarily on higher-than-expected cow numbers. The fat basis export forecast is raised from the previous month on recent trade data and stronger expected global demand. The fat basis import forecast is also raised from last month on stronger expected imports of cheese. On a skim-solids basis, the export forecast for 2020 is raised on stronger global import demand for skim milk powder, whey products, and a number of dairy products, while the import forecast is raised on increased imports of cheese and milk protein products. Cheese and whey prices are raised from the previous month resulting in a higher Class III price forecast. Butter and NDM prices are lowered from last month, resulting in a lower Class IV price forecast. The 2020 all milk price is forecast at \$14.55 per cwt.

**COTTON:** The U.S. cotton forecasts for 2020/21 include larger beginning stocks, consumption, exports, and ending stocks compared with the year before. Production is forecast at 19.5 million bales—400,000 bales less than the year before, based on 13.7 million planted acres as indicated in the NASS March *Prospective Plantings* report. Planted area is expected to be virtually unchanged from 2019/20, but harvested area is projected 2 percent lower, as abandonment rises from 2019/20. The yield is projected only slightly higher, using 10-year regional averages. Domestic mill use and exports are expected to rebound as the world economy begins to recover. Mill use is expected to rise 200,000 bales, and exports by 1 million; but ending stocks are expected to rise 600,000 bales to 7.7 million, equivalent to 41 percent of use. This would be marginally higher than in 2019/20 and the highest since 2007/08's 55 percent. The price received by upland producers is forecast at 57 cents per pound, slightly below 2019/20.

For 2019/20, U.S. cotton production is raised slightly from last month. The export forecast is unchanged, but expected consumption is 200,000 bales lower, and ending stocks 400,000 bales higher.

World ending stocks in 2020/21 are projected to rise for a second consecutive year, but at a much slower pace. With harvested area down globally, production is expected to decline 3.7 million bales, while consumption is expected to rise 11.5 million bales as the global economy begins recovering. Global ending stocks are expected to rise 2.3 million bales, but fall as a share of consumption, from 93 percent in 2019/20 to 85 percent.

For 2019/20, the world consumption forecast is reduced to 105.0 million bales, down 5.6 million from the previous forecast and 12.7 percent below the previous year. This would be the largest annual decline in world consumption since the 19<sup>th</sup> century. World production is raised 1 million bales from the previous month, and 2019/20 ending stocks are 5.9 million higher. The revised year-to-year increase in global ending stocks is 16.9 million bales.

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**In 2020, the WASDE report will be released on June 11, July 10, Aug 12, Sep 11, Oct 9, Nov 10, and Dec 10.**

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## TABLE OF CONTENTS

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	<b>Page</b>
Highlights.....	1
Interagency Commodity Estimates Committees.....	6
World & U.S. Supply & Use for Grains.....	8
World & U.S. Supply & Use for Cotton.....	9
World & U.S. Supply & Use for Oilseeds .....	10
U.S. Wheat Supply & Use .....	11
U.S. Wheat Supply & Use by Class .....	11
U.S. Feed Grain & Corn Supply & Use .....	12
U.S. Sorghum, Barley & Oats Supply & Use.....	13
U.S. Rice Supply & Use .....	14
U.S. Soybeans & Products Supply & Use.....	15
U.S. Sugar Supply & Use .....	16
Mexico Sugar Supply and Use .....	16
U.S. Cotton Supply & Use .....	17
World Wheat Supply & Use.....	18
World Coarse Grains Supply & Use.....	20
World Corn Supply & Use .....	22
World Rice Supply & Use .....	24
World Cotton Supply & Use.....	26
World Soybean Supply & Use .....	28
World Soybean Meal Supply & Use.....	29
World Soybean Oil Supply & Use .....	30
U.S. Quarterly Animal Product Production.....	31
U.S. Quarterly Prices for Animal Products .....	31
U.S. Meats Supply and Use .....	32
U.S. Egg Supply & Use .....	33
U.S. Milk Supply and Use .....	33
U.S. Dairy Prices .....	34
Reliability Tables.....	35
Related USDA Reports .....	38
Metric Conversion Factors .....	38
Electronic Access and Subscriptions.....	40

## WASDE - 600 - 8

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

<b>World</b>			<b>Output</b>	<b>Total Supply</b>	<b>Trade 2/</b>	<b>Total Use 3/</b>	<b>Ending Stocks</b>
Total Grains 4/	2018/19		2623.41	3442.36	429.16	2638.13	804.22
	2019/20 (Est.)		2664.19	3468.42	429.48	2647.07	821.35
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	2751.89	3573.24	450.74	2705.50	867.74
Wheat	2018/19		730.54	1014.59	173.56	735.24	279.35
	2019/20 (Est.)		764.32	1043.67	183.40	748.55	295.12
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	768.49	1063.61	187.98	753.49	310.12
Coarse Grains 5/	2018/19		1396.42	1767.19	211.90	1419.06	348.13
	2019/20 (Est.)		1406.08	1754.21	203.68	1408.33	345.88
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	1481.44	1827.32	217.55	1453.88	373.44
Rice, milled	2018/19		496.46	660.57	43.71	483.83	176.74
	2019/20 (Est.)		493.79	670.53	42.40	490.19	180.35
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	501.96	682.31	45.22	498.12	184.18
<b>United States</b>							
Total Grains 4/	2018/19		436.32	532.31	83.39	357.64	91.28
	2019/20 (Est.)		418.58	516.92	79.84	352.86	84.22
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	478.15	569.91	89.37	366.74	113.80
Wheat	2018/19		51.31	84.89	25.48	30.02	29.39
	2019/20 (Est.)		52.26	84.50	26.40	31.49	26.61
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	50.78	81.21	25.86	30.62	24.74
Coarse Grains 5/	2018/19		377.91	438.46	54.94	323.05	60.47
	2019/20 (Est.)		360.45	424.12	50.33	317.15	56.64
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	420.50	479.83	60.34	331.75	87.74
Rice, milled	2018/19		7.11	8.96	2.97	4.57	1.42
	2019/20 (Est.)		5.86	8.30	3.11	4.22	0.97
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	6.86	8.87	3.18	4.37	1.33

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 - 600 - 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/	2018/19	2,187.10	2,910.05	345.77	2,280.50	712.94
	2019/20 (Est.)	2,245.62	2,951.49	349.63	2,294.21	737.13
	2020/21 (Proj.)	NA	NA	NA	NA	NA
	Apr					
	May	2,273.74	3,003.33	361.36	2,338.76	753.94
Wheat	2018/19	679.23	929.71	148.08	705.22	249.97
	2019/20 (Est.)	712.06	959.17	157.00	717.06	268.51
	2020/21 (Proj.)	NA	NA	NA	NA	NA
	Apr					
	May	717.71	982.40	162.12	722.88	285.38
Coarse Grains 5/	2018/19	1,018.52	1,328.73	156.95	1,096.01	287.66
	2019/20 (Est.)	1,045.63	1,330.10	153.35	1,091.18	289.24
	2020/21 (Proj.)	NA	NA	NA	NA	NA
	Apr					
	May	1,060.94	1,347.49	157.20	1,122.13	285.70
Rice, milled	2018/19	489.35	651.61	40.74	479.27	175.32
	2019/20 (Est.)	487.93	662.23	39.29	485.96	179.38
	2020/21 (Proj.)	NA	NA	NA	NA	NA
	Apr					
	May	495.09	673.44	42.04	493.76	182.85

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	2018/19	118.65	199.39	41.12	120.32	80.31
	2019/20 (Est.)	122.67	202.98	40.05	105.00	97.16
	2020/21 (Proj.)	NA	NA	NA	NA	NA
	Apr					
	May	118.95	216.11	42.93	116.46	99.43
United States	2018/19	18.37	22.57	14.76	2.98	4.85
	2019/20 (Est.)	19.91	24.77	15.00	2.70	7.10
	2020/21 (Proj.)	NA	NA	NA	NA	NA
	Apr					
	May	19.50	26.61	16.00	2.90	7.70
Foreign 4/	2018/19	100.29	176.82	26.35	117.35	75.46
	2019/20 (Est.)	102.76	178.21	25.05	102.30	90.06
	2020/21 (Proj.)	NA	NA	NA	NA	NA
	Apr					
	May	99.45	189.51	26.93	113.56	91.73

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.

## WASDE - 600 - 10

**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	2018/19		599.66	716.18	170.25	488.18	131.12
	2019/20 (Est.)		575.21	706.33	177.20	497.36	114.92
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	605.91	720.83	185.67	508.14	113.51
Oilmeals	2018/19		332.53	349.58	93.76	328.74	14.98
	2019/20 (Est.)		338.64	353.62	93.89	335.60	13.68
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	347.28	360.97	94.18	344.16	13.10
Vegetable Oils	2018/19		203.38	226.43	85.47	200.38	21.88
	2019/20 (Est.)		203.91	225.79	83.76	200.27	21.81
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	208.34	230.15	86.17	205.89	20.29
<b>United States</b>							
Oilseeds	2018/19		130.72	145.65	48.70	61.03	26.54
	2019/20 (Est.)		107.11	134.86	46.76	62.03	17.31
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	123.20	141.69	57.01	62.24	12.56
Oilmeals	2018/19		46.52	51.01	12.60	37.99	0.42
	2019/20 (Est.)		47.76	52.24	12.52	39.33	0.40
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	48.01	52.26	12.20	39.64	0.42
Vegetable Oils	2018/19		12.20	18.14	1.10	15.89	1.16
	2019/20 (Est.)		12.44	18.56	1.37	15.94	1.25
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	12.54	18.76	1.17	16.35	1.25
<b>Foreign 3/</b>							
Oilseeds	2018/19		468.95	570.52	121.55	427.15	104.58
	2019/20 (Est.)		468.10	571.47	130.44	435.33	97.62
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	482.71	579.15	128.66	445.89	100.95
Oilmeals	2018/19		286.01	298.56	81.16	290.75	14.56
	2019/20 (Est.)		290.88	301.37	81.37	296.28	13.28
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	299.27	308.71	81.99	304.52	12.68
Vegetable Oils	2018/19		191.18	208.29	84.37	184.50	20.72
	2019/20 (Est.)		191.47	207.23	82.39	184.33	20.56
	2020/21 (Proj.)	Apr	NA	NA	NA	NA	NA
		May	195.80	211.39	85.00	189.54	19.05

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 - 600 - 11

U.S. Wheat Supply and Use 1/

	2018/19	2019/20 Est.	2020/21 Proj. Apr	2020/21 Proj. May
			<i>Million Acres</i>	
Area Planted	47.8	45.2	NA	44.7 *
Area Harvested	39.6	37.2	NA	37.7 *
			<i>Bushels</i>	
Yield per Harvested Acre	47.6	51.7	NA	49.5 *
			<i>Million Bushels</i>	
Beginning Stocks	1,099	1,080	NA	978
Production	1,885	1,920	NA	1,866
Imports	135	105	NA	140
Supply, Total	3,119	3,105	NA	2,984
Food	955	962	NA	964
Seed	59	60	NA	61
Feed and Residual	90	135	NA	100
Domestic, Total	1,103	1,157	NA	1,125
Exports	936	970	NA	950
Use, Total	2,039	2,127	NA	2,075
Ending Stocks	1,080	978	NA	909
Avg. Farm Price (\$/bu) 2/	5.16	4.60	NA	4.60

U.S. Wheat by Class: Supply and Use

Year beginning June 1		Hard Red Winter	Hard Red Spring	Soft Red Winter	White	Durum	Total
				<i>Million Bushels</i>			
2019/20 (Est.)	Beginning Stocks	516	263	158	88	55	1,080
	Production	833	522	239	272	54	1,920
	Supply, Total 3/	1,352	836	402	366	149	3,105
	Domestic Use	472	318	189	90	88	1,157
	Exports	370	275	95	190	40	970
	Use, Total	842	593	284	280	128	2,127
	Ending Stocks, Total	510	243	118	86	21	978
	Ending Stocks, Total	503	250	116	80	21	970

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. \* Planted acres reported in the March 31, 2020, "Prospective Plantings." Harvested acres and yield for other spring wheat and Durum are projected using 10-year harvested-to-planted ratios by state and 1985-2019 yield trends by state (except for Arizona, California, and Idaho Durum). Winter wheat harvested acres and yield reported in the May 12, 2020, "Crop Production."

\*\*\*\*\*  
Wheat-by-class projections for 2020/21 will first be published in the July 10, 2020, WASDE.  
\*\*\*\*\*

## WASDE - 600 - 12

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

	2018/19	2019/20 Est.	2020/21 Proj. Apr	2020/21 Proj. May
<b>FEED GRAINS</b>				
			<i>Million Acres</i>	
Area Planted	99.9	100.5	NA	108.7 *
Area Harvested	89.2	89.1	NA	98.3 *
			<i>Metric Tons</i>	
Yield per Harvested Acre	4.24	4.04	NA	4.28
			<i>Million Metric Tons</i>	
Beginning Stocks	57.9	60.5	NA	56.6
Production	377.7	360.2	NA	420.2
Imports	2.3	2.9	NA	2.4
Supply, Total	437.9	423.5	NA	479.3
Feed and Residual	143.0	149.2	NA	158.1
Food, Seed & Industrial	179.6	167.3	NA	173.2
Domestic, Total	322.5	316.6	NA	331.2
Exports	54.9	50.3	NA	60.3
Use, Total	377.5	366.9	NA	391.6
Ending Stocks	60.5	56.6	NA	87.7
<b>CORN</b>				
			<i>Million Acres</i>	
Area Planted	88.9	89.7	NA	97.0 *
Area Harvested	81.3	81.4	NA	89.6 *
			<i>Bushels</i>	
Yield per Harvested Acre	176.4	167.8	NA	178.5 *
			<i>Million Bushels</i>	
Beginning Stocks	2,140	2,221	NA	2,098
Production	14,340	13,663	NA	15,995
Imports	28	45	NA	25
Supply, Total	16,509	15,928	NA	18,118
Feed and Residual	5,430	5,700	NA	6,050
Food, Seed & Industrial 2/	6,793	6,355	NA	6,600
Ethanol & by-products 3/	5,378	4,950	NA	5,200
Domestic, Total	12,223	12,055	NA	12,650
Exports	2,065	1,775	NA	2,150
Use, Total	14,288	13,830	NA	14,800
Ending Stocks	2,221	2,098	NA	3,318
Avg. Farm Price (\$/bu) 4/	3.61	3.60	NA	3.20

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. \* Planted acres reported in the March 31, 2020, "Prospective Plantings." For corn, harvested acres projected based on historical abandonment and use for silage. The yield projection is based on a weather-adjusted trend assuming normal mid-May planting progress and summer growing season weather, estimated using the 1988-2019 time period, and includes a downward stochastic adjustment to account for the asymmetric response of yield to July precipitation.

## WASDE - 600 - 13

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

	2018/19	2019/20 Est.	2020/21 Proj. Apr	2020/21 Proj. May
<b>SORGHUM</b>				
	<i>Million Bushels</i>			
Area Planted (mil. acres)	5.7	5.3	NA	5.8 *
Area Harvested (mil. acres)	5.1	4.7	NA	5.2 *
Yield (bushels/acre)	72.1	73.0	NA	67.5 *
Beginning Stocks	35	64	NA	35
Production	365	341	NA	351
Imports	0	0	NA	0
Supply, Total	400	405	NA	386
Feed and Residual	138	100	NA	85
Food, Seed & Industrial	106	70	NA	50
Total Domestic	244	170	NA	135
Exports	93	200	NA	220
Use, Total	336	370	NA	355
Ending Stocks	64	35	NA	31
Avg. Farm Price (\$/bu) 2/	3.26	3.25	NA	3.20
<b>BARLEY</b>				
Area Planted (mil. acres)	2.5	2.7	NA	2.9 *
Area Harvested (mil. acres)	2.0	2.2	NA	2.4 *
Yield (bushels/acre)	77.5	77.7	NA	75.8 *
Beginning Stocks	94	87	NA	92
Production	154	170	NA	182
Imports	6	8	NA	7
Supply, Total	254	264	NA	281
Feed and Residual	15	30	NA	40
Food, Seed & Industrial	148	136	NA	143
Total Domestic	162	166	NA	183
Exports	5	6	NA	5
Use, Total	167	172	NA	188
Ending Stocks	87	92	NA	93
Avg. Farm Price (\$/bu) 2/	4.62	4.70	NA	4.30
<b>OATS</b>				
Area Planted (mil. acres)	2.7	2.8	NA	3.0 *
Area Harvested (mil. acres)	0.9	0.8	NA	1.1 *
Yield (bushels/acre)	64.9	64.3	NA	66.4 *
Beginning Stocks	41	38	NA	29
Production	56	53	NA	73
Imports	87	91	NA	96
Supply, Total	184	182	NA	198
Feed and Residual	66	70	NA	75
Food, Seed & Industrial	78	81	NA	79
Total Domestic	144	151	NA	154
Exports	2	2	NA	2
Use, Total	146	153	NA	156
Ending Stocks	38	29	NA	42
Avg. Farm Price (\$/bu) 2/	2.66	2.85	NA	2.50

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. \* Planted acres reported in the March 31, 2020, "Prospective Plantings." Harvested area for sorghum, barley and oats based on historical average harvested-to-planted ratios. For sorghum the projected yield is the median yield for 1990-2019. For barley and oats, projected yields are based on the 1990-2019 linear trends. Yields shown reflect production rounding.

## WASDE - 600 - 14

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

TOTAL RICE	2018/19	2019/20 Est.	2020/21 Proj.	2020/21 Proj.
			Apr	May
		<i>Million Acres</i>		
Area Planted	2.95	2.54	NA	2.85 *
Area Harvested	2.91	2.47	NA	2.81 *
		<i>Pounds</i>		
Yield per Harvested Acre	7,692	7,471	NA	7,699 *
		<i>Million Hundredweight</i>		
Beginning Stocks 2/	29.4	44.9	NA	30.5
Production	223.8	184.7	NA	216.2
Imports	29.0	32.0	NA	32.6
Supply, Total	282.2	261.5	NA	279.3
Domestic & Residual 3/	143.8	133.0	NA	137.5
Exports, Total 4/	93.6	98.0	NA	100.0
Rough	33.0	36.0	NA	37.0
Milled (rough equiv.)	60.6	62.0	NA	63.0
Use, Total	237.3	231.0	NA	237.5
Ending Stocks	44.9	30.5	NA	41.8
Avg. Milling Yield (%) 5/	70.00	70.00	NA	70.00
Avg. Farm Price (\$/cwt) 6/	12.60	13.00	NA	12.90
<b>LONG-GRAIN RICE</b>				
Harvested Acres (mil.)	2.18	1.73		
Yield (pounds/acre)	7,517	7,261		
Beginning Stocks	20.3	32.6	NA	14.7
Production	163.6	125.6	NA	155.5
Supply, Total 7/	207.3	183.7	NA	196.2
Domestic & Residual 3/	109.0	99.0	NA	103.0
Exports 8/	65.7	70.0	NA	72.0
Use, Total	174.7	169.0	NA	175.0
Ending Stocks	32.6	14.7	NA	21.2
Avg. Farm Price (\$/cwt) 6/	10.80	12.00	NA	11.80
<b>MEDIUM &amp; SHORT-GRAIN RICE</b>				
Harvested Acres (mil.)	0.73	0.74		
Yield (pounds/acre)	8,209	7,960		
Beginning Stocks	7.6	10.2	NA	13.7
Production	60.3	59.1	NA	60.7
Supply, Total 7/	72.8	75.7	NA	81.1
Domestic & Residual 3/	34.8	34.0	NA	34.5
Exports 8/	27.8	28.0	NA	28.0
Use, Total	62.6	62.0	NA	62.5
Ending Stocks	10.2	13.7	NA	18.6
Avg. Farm Price (\$/cwt) 1/ 6/ 9/	18.50	16.00	NA	16.00
California 10/	21.10	18.00	NA	18.00
Other States 1/	12.30	11.80	NA	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): 2016/17-3.5; 2017/18-1.4; 2018/19-2.1. 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 preliminary California SAFP forecast and the final price has averaged \$1.00 per cwt from 2014/15-2018/19, with a high of \$3.50 per cwt in 2017/18 and a low of -\$0.20 per cwt in 2015/16. 10/ Marketing year beginning October 1. \* Planted acres reported in March 31, 2020, "Prospective Plantings." Harvested acres are estimated using long run harvested-to-planted ratios by rice class. Projected yield is based on by class trend analysis and prospective planting.

## WASDE - 600 - 15

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

SOYBEANS	2018/19	2019/20 Est.	2020/21 Proj.	2020/21 Proj.
			Apr	May
			<i>Million Acres</i>	
Area Planted	89.2	76.1	NA	83.5 *
Area Harvested	87.6	75.0	NA	82.8 *
			<i>Bushels</i>	
Yield per Harvested Acre	50.6	47.4	NA	49.8 *
			<i>Million Bushels</i>	
Beginning Stocks	438	909	NA	580
Production	4,428	3,557	NA	4,125
Imports	14	15	NA	15
Supply, Total	4,880	4,481	NA	4,720
Crushings	2,092	2,125	NA	2,130
Exports	1,748	1,675	NA	2,050
Seed	88	97	NA	100
Residual	43	4	NA	35
Use, Total	3,971	3,901	NA	4,315
Ending Stocks	909	580	NA	405
Avg. Farm Price (\$/bu) 2/	8.48	8.50	NA	8.20
<b>SOYBEAN OIL</b>				
			<i>Million Pounds</i>	
Beginning Stocks	1,995	1,775	NA	1,880
Production 4/	24,197	24,480	NA	24,685
Imports	398	375	NA	400
Supply, Total	26,590	26,630	NA	26,965
Domestic Disappearance	22,874	22,200	NA	23,000
Biodiesel 3/	7,863	7,500	NA	8,000
Food, Feed & other Industrial	15,011	14,700	NA	15,000
Exports	1,941	2,550	NA	2,100
Use, Total	24,815	24,750	NA	25,100
Ending stocks	1,775	1,880	NA	1,865
Avg. Price (c/lb) 2/	28.26	28.50	NA	29.00
<b>SOYBEAN MEAL</b>				
			<i>Thousand Short Tons</i>	
Beginning Stocks	555	402	NA	375
Production 4/	48,814	49,973	NA	50,225
Imports	684	550	NA	400
Supply, Total	50,053	50,925	NA	51,000
Domestic Disappearance	36,097	37,100	NA	37,500
Exports	13,554	13,450	NA	13,100
Use, Total	49,651	50,550	NA	50,600
Ending Stocks	402	375	NA	400
Avg. Price (\$/s.t.) 2/	308.28	300.00	NA	290.00

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 2,125 million bushels for 2019/20 and 2,130 million bushels for 2020/21. \*Planted acres are reported in the March 31, 2020 Prospective Plantings report. Harvested acres are based on the 5-year planted-to-harvested ratio. The projected yield is based on a weather-adjusted trend model and assumes normal weather.

## WASDE - 600 - 16

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

	2018/19	2019/20 Est.	2019/20 Est.	2020/21 Proj.
		Apr	May	May
	<i>1,000 Short Tons, Raw Value</i>			
Beginning Stocks	2,008	1,783	1,783	1,273
Production 2/	8,999	8,038	8,024	9,005
Beet Sugar	4,939	4,298	4,285	4,965
Cane Sugar	4,060	3,740	3,740	4,040
Florida	2,005	2,100	2,100	2,105
Hawaii	0	0	0	0
Louisiana	1,907	1,513	1,513	1,800
Texas	147	127	127	135
Imports	3,070	3,879	3,731	3,456
TRQ 3/	1,541	2,180	2,180	1,395
Other Program 4/	438	350	350	350
Other 5/	1,092	1,349	1,200	1,710
Mexico	1,000	1,199	1,050	1,660
Total Supply	14,077	13,699	13,538	13,733
Exports	35	35	35	35
Deliveries	12,231	12,230	12,230	12,230
Food	12,106	12,125	12,125	12,125
Other 6/	126	105	105	105
Miscellaneous	28	0	0	0
Total Use	12,294	12,265	12,265	12,265
Ending Stocks	1,783	1,434	1,273	1,468
Stocks to Use Ratio	14.5	11.7	10.4	12.0

1/ Fiscal years beginning Oct 1. Data and projections correspond to category components from "Sweetener Market Data" (SMD). 2/ Production projections for 2019/20 and 2020/21 are based on Crop Production and/or processor projections/industry data and/or sugar ICEC analysis where appropriate. 3/ For 2019/20, WTO raw sugar TRQ shortfall (56) and for 2020/21 (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 2019/20 (150) and 2020/21 (50). 6/ 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: 2018/19 -- 374; estimated 2019/20 -- 340; projected 2020/21 -- 353.

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

		Beginning Stocks	Production	Imports	Domestic 2/	Exports	Ending Stocks
		<i>1,000 Metric Tons, Actual Weight</i>					
Sugar	2019/20 Est.						
	Apr	1,169	5,235	89	4,492	1,065	936
	May	1,169	5,125	89	4,492	938	953
2020/21 Proj.	Apr	NA	NA	NA	NA	NA	NA
	May	953	6,100	89	4,575	1,614	953

1/ HFCS consumption by Mexico (1,000 metric tons, dry basis): 2018/19 = 1,528; Estimated 2019/20 = 1,493; Projected 2020/21 = 1,493; Estimated Oct-Mar 2019/20 = 685, Oct-Mar 2018/19 = 713. 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: 2019/20 (435 est); 2020/21 (435 proj). Other Deliveries/Ending Year Statistical Adjustments: 2019/20 (0), 2020/21 (0).



## WASDE - 600 - 17

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

	2018/19	2019/20 Est.	2020/21 Proj. Apr	2020/21 Proj. May
Area				
			<i>Million Acres</i>	
Planted	14.10	13.74	NA	13.70 *
Harvested	9.99	11.61	NA	11.35 *
			<i>Pounds</i>	
Yield per Harvested Acre	882	823	NA	825 *
			<i>Million 480 Pound Bales</i>	
Beginning Stocks	4.20	4.85	NA	7.10
Production	18.37	19.91	NA	19.50
Imports	0.00	0.01	NA	0.01
Supply, Total	22.57	24.77	NA	26.61
Domestic Use	2.98	2.70	NA	2.90
Exports, Total	14.76	15.00	NA	16.00
Use, Total	17.74	17.70	NA	18.90
Unaccounted 2/	-0.02	-0.03	NA	0.01
Ending Stocks	4.85	7.10	NA	7.70
Avg. Farm Price 3/	70.3	59.0	NA	57.0

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 March 31, 2020 Prospective Plantings. Harvested area based on 10-year average abandonment by region. Yield is based on 10-year average yields by region.

## WASDE - 600 - 18

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

2018/19	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	284.06	730.54	170.56	139.53	735.24	173.56	279.35
World Less China	152.86	599.11	167.41	119.53	610.24	172.55	139.59
United States	29.91	51.31	3.67	2.44	30.02	25.48	29.39
Total Foreign	254.15	679.23	166.88	137.09	705.22	148.08	249.97
Major Exporters 4/	39.86	302.43	7.17	81.73	194.57	120.77	34.12
Argentina	0.47	19.50	0.01	0.05	6.05	12.19	1.74
Australia	5.51	17.30	0.36	5.70	9.20	9.01	4.96
Canada	6.73	32.20	0.48	3.98	8.97	24.40	6.04
European Union 5/	13.89	136.69	5.76	51.50	121.05	23.31	11.97
Russia	12.03	71.69	0.45	18.00	40.50	35.84	7.82
Ukraine	1.24	25.06	0.11	2.50	8.80	16.02	1.59
Major Importers 6/	177.49	199.78	111.28	38.34	294.24	12.33	181.98
Bangladesh	2.23	1.10	5.10	0.28	7.18	0.00	1.26
Brazil	1.31	5.43	7.02	0.50	12.10	0.60	1.06
China	131.20	131.43	3.15	20.00	125.00	1.01	139.77
Japan	1.23	0.86	5.73	0.68	6.48	0.29	1.05
N. Africa 7/	14.86	21.00	26.95	2.25	46.15	1.19	15.47
Nigeria	0.20	0.06	4.59	0.05	4.25	0.40	0.20
Sel. Mideast 8/	15.07	17.88	17.25	3.45	37.70	0.58	11.91
Southeast Asia 9/	5.51	0.00	26.37	8.14	25.34	1.10	5.44
Selected Other							
India	13.23	99.87	0.02	5.00	95.63	0.50	16.99
Kazakhstan	2.54	13.95	0.09	1.80	6.60	8.30	1.68
<b>2019/20 Est.</b>							
World 3/	279.35	764.32	179.76	143.38	748.55	183.40	295.12
World Less China	139.59	630.73	175.76	124.38	622.55	182.40	144.77
United States	29.39	52.26	2.86	3.67	31.49	26.40	26.61
Total Foreign	249.97	712.06	176.90	139.71	717.06	157.00	268.51
Major Exporters 4/	34.12	324.61	6.04	83.35	197.50	133.70	33.56
Argentina	1.74	19.50	0.01	0.05	6.30	13.50	1.45
Australia	4.96	15.20	0.45	5.20	8.70	8.20	3.71
Canada	6.04	32.35	0.55	5.30	10.40	23.00	5.54
European Union 5/	11.97	154.78	4.60	53.00	123.00	35.00	13.35
Russia	7.82	73.61	0.35	17.00	40.00	33.50	8.28
Ukraine	1.59	29.17	0.08	2.80	9.10	20.50	1.23
Major Importers 6/	181.98	203.47	119.28	37.36	297.84	12.84	194.05
Bangladesh	1.26	1.20	6.70	0.30	7.40	0.00	1.76
Brazil	1.06	5.20	7.20	0.50	12.10	0.45	0.91
China	139.77	133.59	4.00	19.00	126.00	1.00	150.36
Japan	1.05	1.10	5.60	0.60	6.25	0.28	1.22
N. Africa 7/	15.47	18.40	27.65	2.25	46.78	0.99	13.75
Nigeria	0.20	0.06	5.10	0.05	4.76	0.40	0.20
Sel. Mideast 8/	11.91	22.18	16.73	3.42	38.06	0.80	11.96
Southeast Asia 9/	5.44	0.00	26.60	8.04	25.64	1.02	5.38
Selected Other							
India	16.99	103.60	0.02	6.00	96.11	0.50	24.00
Kazakhstan	1.68	11.45	0.40	1.60	6.40	6.00	1.14

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, European Union, Russia, and Ukraine. 5/ Trade excludes intra-trade. 6/ Bangladesh, Brazil, China, South Korea, Japan, Nigeria, Mexico, Turkey, Egypt, Algeria, Libya, Morocco, Tunisia, Indonesia, Malaysia, Philippines, Thailand, Vietnam, Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman. 7/ Algeria, Egypt, Libya, Morocco, and Tunisia. 8/ Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman 9/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 600 - 19

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

<b>2020/21 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	295.12	768.49	182.84	137.47	753.49	187.98	310.12
World Less China	Apr	NA	NA	NA	NA	NA	NA	NA
	May	144.77	633.49	176.84	117.47	623.49	186.98	149.76
United States	Apr	NA	NA	NA	NA	NA	NA	NA
	May	26.61	50.78	3.81	2.72	30.62	25.86	24.74
Total Foreign	Apr	NA	NA	NA	NA	NA	NA	NA
	May	268.51	717.71	179.03	134.75	722.88	162.12	285.38
Major Exporters 4/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	33.56	327.00	6.73	79.15	193.15	136.50	37.64
Argentina	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.45	21.00	0.01	0.05	6.20	14.50	1.75
Australia	Apr	NA	NA	NA	NA	NA	NA	NA
	May	3.71	24.00	0.20	4.00	7.55	15.00	5.36
Canada	Apr	NA	NA	NA	NA	NA	NA	NA
	May	5.54	34.00	0.45	4.60	9.80	24.50	5.69
European Union 5/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	13.35	143.00	5.50	50.50	120.30	28.50	13.05
Russia	Apr	NA	NA	NA	NA	NA	NA	NA
	May	8.28	77.00	0.50	17.50	40.50	35.00	10.28
Ukraine	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.23	28.00	0.08	2.50	8.80	19.00	1.51
Major Importers 6/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	194.05	204.28	119.84	36.76	302.38	12.91	202.88
Bangladesh	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.76	1.25	6.60	0.30	7.50	0.00	2.11
Brazil	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.91	5.50	7.10	0.50	12.10	0.60	0.81
China	Apr	NA	NA	NA	NA	NA	NA	NA
	May	150.36	135.00	6.00	20.00	130.00	1.00	160.36
Japan	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.22	0.87	5.60	0.60	6.25	0.28	1.16
N. Africa 7/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	13.75	17.43	29.70	1.95	47.15	0.99	12.74
Nigeria	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.20	0.06	5.10	0.05	4.76	0.40	0.20
Sel. Mideast 8/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	11.96	22.35	16.99	3.42	38.78	0.67	11.85
Southeast Asia 9/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	5.38	0.00	26.35	7.04	24.89	1.07	5.77
Selected Other								
India	Apr	NA	NA	NA	NA	NA	NA	NA
	May	24.00	103.00	0.03	6.00	99.00	1.00	27.03
Kazakhstan	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.14	13.50	0.10	1.50	6.30	7.10	1.34

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, European Union, Russia, and Ukraine. 5/ Trade excludes intra-trade. 6/ Bangladesh, Brazil, China, South Korea, Japan, Nigeria, Mexico, Turkey, Egypt, Algeria, Libya, Morocco, Tunisia, Indonesia, Malaysia, Philippines, Thailand, Vietnam, Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman. 7/ Algeria, Egypt, Libya, Morocco, and Tunisia. 8/ Lebanon, Iraq, Iran, Israel, Jordan, Kuwait, Saudi Arabia, Yemen, United Arab Emirates, and Oman 9/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 600 - 20

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

<b>2018/19</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	370.77	1,396.42	192.74	850.32	1,419.06	211.90	348.13
World Less China	147.79	1,131.91	182.20	654.87	1,131.69	211.83	137.54
United States	57.92	377.91	2.64	143.14	323.05	54.94	60.47
Total Foreign	312.85	1,018.52	190.10	707.19	1,096.02	156.95	287.66
Major Exporters 4/	27.09	292.61	5.74	126.34	170.87	133.85	20.72
Argentina	3.37	59.22	0.01	12.28	18.09	40.89	3.61
Australia	2.29	10.93	0.00	4.74	6.76	4.09	2.39
Brazil	9.67	104.33	2.32	59.95	70.98	39.79	5.55
Canada	4.57	26.20	2.69	16.20	24.15	5.97	3.34
Russia	1.37	35.00	0.05	18.80	27.37	7.84	1.22
Ukraine	2.91	44.50	0.06	7.93	10.96	34.07	2.45
Major Importers 5/	39.96	243.51	142.98	295.36	379.76	10.32	36.36
European Union 6/	16.33	148.27	26.44	127.00	168.69	8.82	13.53
Japan	1.82	0.18	17.73	13.78	17.89	0.00	1.84
Mexico	6.18	33.40	17.41	31.27	50.51	0.72	5.76
N. Afr & Mideast 7/	7.76	31.08	38.82	61.98	70.10	0.10	7.46
Saudi Arabia	2.63	0.29	10.17	10.75	11.13	0.00	1.97
Southeast Asia 8/	2.56	29.99	16.84	37.69	45.72	0.68	2.99
South Korea	1.86	0.21	10.96	8.60	11.18	0.00	1.85
Selected Other							
China	222.98	264.51	10.54	195.45	287.37	0.07	210.59
<b>2019/20 Est.</b>							
World 3/	348.13	1,406.08	203.38	866.75	1,408.33	203.68	345.88
World Less China	137.54	1,137.89	186.38	673.75	1,121.18	203.62	137.30
United States	60.47	360.45	3.19	149.46	317.15	50.33	56.64
Total Foreign	287.66	1,045.63	200.19	717.29	1,091.18	153.35	289.24
Major Exporters 4/	20.72	303.94	3.81	129.82	173.82	130.04	24.60
Argentina	3.61	56.75	0.01	12.55	18.14	36.91	5.32
Australia	2.39	10.56	0.00	4.42	6.39	4.35	2.21
Brazil	5.55	104.57	1.90	60.01	71.14	36.01	4.87
Canada	3.34	28.51	1.67	16.90	23.76	5.04	4.72
Russia	1.22	40.50	0.09	22.14	31.09	8.39	2.33
Ukraine	2.45	46.55	0.03	6.92	10.04	36.84	2.14
Major Importers 5/	36.36	255.34	145.46	301.62	388.23	12.58	36.36
European Union 6/	13.53	161.06	22.28	126.60	169.92	11.20	15.75
Japan	1.84	0.22	17.62	13.75	17.87	0.00	1.81
Mexico	5.76	30.41	18.36	31.97	51.15	0.70	2.68
N. Afr & Mideast 7/	7.46	33.33	41.91	66.12	74.52	0.10	8.08
Saudi Arabia	1.97	0.27	11.51	11.15	11.51	0.00	2.24
Southeast Asia 8/	2.99	29.77	18.20	38.77	47.19	0.59	3.17
South Korea	1.85	0.20	11.51	9.04	11.64	0.00	1.92
Selected Other							
China	210.59	268.20	17.00	193.00	287.15	0.06	208.58

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, Brazil, Canada, Russia, South Africa, and Ukraine. 5/ The European Union, Japan, Mexico, selected North Africa and Middle East, Saudi Arabia, Southeast Asia, and South Korea. 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 - 600 - 21

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

<b>2020/21 Proj.</b>		<b>Beginning Stocks</b>	<b>Production</b>	<b>Imports</b>	<b>Domestic Feed</b>	<b>Domestic Total 2/</b>	<b>Exports</b>	<b>Ending Stocks</b>
World 3/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	345.88	1,481.44	211.01	892.97	1,453.88	217.55	373.44
World Less China	Apr	NA	NA	NA	NA	NA	NA	NA
	May	137.30	1,214.07	192.76	695.52	1,160.28	217.48	172.91
United States	Apr	NA	NA	NA	NA	NA	NA	NA
	May	56.64	420.50	2.70	158.23	331.75	60.34	87.74
Total Foreign	Apr	NA	NA	NA	NA	NA	NA	NA
	May	289.24	1,060.94	208.31	734.74	1,122.13	157.20	285.70
Major Exporters 4/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	24.60	312.99	3.45	132.46	178.49	133.69	28.86
Argentina	Apr	NA	NA	NA	NA	NA	NA	NA
	May	5.32	56.70	0.01	13.49	19.75	36.71	5.57
Australia	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.21	12.71	0.00	4.88	6.87	5.30	2.75
Brazil	Apr	NA	NA	NA	NA	NA	NA	NA
	May	4.87	109.41	2.20	61.08	72.22	38.01	6.25
Canada	Apr	NA	NA	NA	NA	NA	NA	NA
	May	4.72	30.30	1.06	17.03	24.99	4.98	6.11
Russia	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.33	39.40	0.07	21.80	30.95	8.28	2.57
Ukraine	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.14	49.85	0.02	7.50	10.72	38.11	3.18
Major Importers 5/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	36.36	261.77	150.02	310.29	398.59	11.79	37.77
European Union 6/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	15.75	163.09	23.31	130.40	174.75	10.44	16.96
Japan	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.81	0.20	17.67	13.75	17.87	0.00	1.81
Mexico	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.68	33.60	18.80	32.27	51.65	0.60	2.83
N. Afr & Mideast 7/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	8.08	33.92	44.66	69.44	78.07	0.12	8.48
Saudi Arabia	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.24	0.27	11.01	11.05	11.41	0.00	2.11
Southeast Asia 8/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	3.17	30.41	18.28	39.57	48.17	0.63	3.05
South Korea	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.92	0.20	11.91	9.45	12.09	0.00	1.95
Selected Other								
China	Apr	NA	NA	NA	NA	NA	NA	NA
	May	208.58	267.38	18.25	197.45	293.60	0.07	200.53

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, Brazil, Canada, Russia, South Africa, and Ukraine. 5/ The European Union, Japan, Mexico, selected North Africa and Middle East, Saudi Arabia, Southeast Asia, and South Korea. 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 - 600 - 22

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

<b>2018/19</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	341.28	1,123.41	162.96	702.40	1,143.76	180.93	320.92
World Less China	118.75	866.08	158.47	511.40	869.76	180.91	110.60
United States	54.37	364.26	0.71	137.93	310.47	52.46	56.41
Total Foreign	286.91	759.15	162.25	564.46	833.29	128.47	264.51
Major Exporters 4/	16.12	211.04	2.27	85.30	107.10	111.28	11.05
Argentina	2.41	51.00	0.01	9.70	13.80	37.24	2.37
Brazil	9.28	101.00	1.66	57.00	67.00	39.75	5.19
Russia	0.20	11.42	0.04	7.60	8.50	2.77	0.38
South Africa	2.67	11.82	0.53	6.40	12.00	1.20	1.83
Ukraine	1.57	35.81	0.04	4.60	5.80	30.32	1.29
Major Importers 5/	23.91	128.86	99.11	170.33	224.97	5.03	21.89
Egypt	1.85	6.80	9.37	13.70	16.20	0.00	1.81
European Union 6/	9.82	64.36	25.21	68.00	88.00	3.63	7.76
Japan	1.39	0.00	16.05	12.30	16.00	0.00	1.44
Mexico	5.65	27.60	16.66	25.90	44.10	0.72	5.09
Southeast Asia 7/	2.55	29.94	16.46	37.60	45.30	0.68	2.98
South Korea	1.85	0.08	10.86	8.56	10.95	0.00	1.84
Selected Other							0.00
Canada	2.42	13.89	2.63	9.37	15.16	1.80	1.98
China	222.53	257.33	4.48	191.00	274.00	0.02	210.32
<b>2019/20 Est.</b>							
World 3/	320.92	1,114.75	168.82	704.51	1,120.95	169.34	314.73
World Less China	110.60	853.98	161.82	519.51	850.95	169.32	106.66
United States	56.41	347.05	1.14	144.79	306.21	45.09	53.30
Total Foreign	264.51	767.71	167.68	559.72	814.74	124.26	261.42
Major Exporters 4/	11.05	217.16	1.27	85.80	107.75	108.70	13.03
Argentina	2.37	50.00	0.01	10.00	14.00	34.00	4.37
Brazil	5.19	101.00	1.20	57.00	67.00	36.00	4.39
Russia	0.38	14.28	0.04	8.70	9.70	4.20	0.79
South Africa	1.83	16.00	0.00	6.80	12.60	2.50	2.73
Ukraine	1.29	35.89	0.02	3.30	4.45	32.00	0.75
Major Importers 5/	21.89	127.91	97.70	167.10	222.90	5.80	18.80
Egypt	1.81	6.40	9.90	14.20	16.70	0.01	1.40
European Union 6/	7.76	66.63	21.50	62.20	83.40	4.50	7.99
Japan	1.44	0.00	16.00	12.30	16.00	0.00	1.44
Mexico	5.09	25.00	17.30	26.50	44.50	0.70	2.19
Southeast Asia 7/	2.98	29.72	17.60	38.70	46.55	0.59	3.16
South Korea	1.84	0.07	11.40	9.00	11.40	0.00	1.91
Selected Other							0.00
Canada	1.98	13.38	1.60	9.00	13.80	1.10	2.06
China	210.32	260.77	7.00	185.00	270.00	0.02	208.07

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, Russia, South Africa and Ukraine. 5/ Egypt, the European Union, Japan, Mexico, Southeast Asia, and South Korea. 6/ Trade excludes intra-trade. 7/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 600 - 23

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

<b>2020/21 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	314.73	1,186.86	176.21	729.02	1,161.96	182.25	339.62
World Less China	Apr	NA	NA	NA	NA	NA	NA	NA
	May	106.66	926.86	169.21	541.02	886.96	182.23	139.57
United States	Apr	NA	NA	NA	NA	NA	NA	NA
	May	53.30	406.29	0.64	153.68	321.33	54.61	84.29
Total Foreign	Apr	NA	NA	NA	NA	NA	NA	NA
	May	261.42	780.57	175.58	575.34	840.64	127.64	255.33
Major Exporters 4/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	13.03	223.50	1.56	88.50	111.00	111.70	15.39
Argentina	Apr	NA	NA	NA	NA	NA	NA	NA
	May	4.37	50.00	0.01	11.00	15.50	34.00	4.88
Brazil	Apr	NA	NA	NA	NA	NA	NA	NA
	May	4.39	106.00	1.50	58.00	68.00	38.00	5.89
Russia	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.79	14.50	0.04	8.90	10.00	4.40	0.93
South Africa	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.73	14.00	0.00	6.60	12.30	2.30	2.13
Ukraine	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.75	39.00	0.02	4.00	5.20	33.00	1.56
Major Importers 5/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	18.80	133.22	102.05	172.55	229.60	5.64	18.83
Egypt	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.40	6.40	11.00	14.70	17.20	0.01	1.59
European Union 6/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	7.99	68.30	23.00	65.00	87.00	4.40	7.89
Japan	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.44	0.00	16.00	12.30	16.00	0.00	1.45
Mexico	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.19	28.00	18.30	27.30	45.55	0.60	2.34
Southeast Asia 7/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	3.16	30.36	17.65	39.50	47.50	0.63	3.04
South Korea	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.91	0.08	11.80	9.40	11.85	0.00	1.93
Selected Other								
Canada	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.06	15.60	1.00	9.40	14.80	1.00	2.86
China	Apr	NA	NA	NA	NA	NA	NA	NA
	May	208.07	260.00	7.00	188.00	275.00	0.02	200.05

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, Russia, South Africa and Ukraine. 5/ Egypt, the European Union, Japan, Mexico, Southeast Asia, and South Korea. 6/ Trade excludes intra-trade. 7/ Indonesia, Malaysia, Philippines, Thailand, and Vietnam.

## WASDE - 600 - 24

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

<b>2018/19</b>	Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	164.12	496.46	43.76	483.83	43.71	176.74
World Less China	55.12	347.97	40.56	340.91	40.94	61.74
United States	0.93	7.11	0.92	4.57	2.97	1.42
Total Foreign	163.18	489.35	42.84	479.27	40.74	175.32
Major Exporters 4/	28.88	184.66	0.76	145.41	31.76	37.14
Burma	0.81	13.20	0.01	10.25	2.70	1.07
India	22.60	116.48	0.00	99.16	10.42	29.50
Pakistan	1.42	7.30	0.00	3.30	4.49	0.93
Thailand	3.01	20.34	0.25	11.50	7.56	4.54
Vietnam	1.03	27.34	0.50	21.20	6.58	1.10
Major Importers 5/	122.58	239.15	17.11	247.82	3.18	127.83
China	109.00	148.49	3.20	142.92	2.77	115.00
European Union 6/	1.18	1.97	2.15	3.80	0.30	1.19
Indonesia	5.56	34.20	0.60	36.30	0.00	4.06
Nigeria	1.58	4.54	1.90	6.80	0.00	1.22
Philippines	2.29	11.73	3.60	14.10	0.00	3.52
Sel. Mideast 7/	0.90	2.01	3.91	5.90	0.00	0.91
Selected Other						0.00
Brazil	0.59	7.14	0.74	7.40	0.88	0.19
C. Amer & Carib 8/	0.63	1.65	1.79	3.37	0.04	0.67
Egypt	1.56	2.80	0.81	4.15	0.02	1.00
Japan	2.22	7.66	0.63	8.40	0.07	2.05
Mexico	0.15	0.19	0.74	0.92	0.03	0.14
South Korea	1.56	3.87	0.29	4.57	0.05	1.09

**2019/20 Est.**

World 3/	176.74	493.79	40.66	490.19	42.40	180.35
World Less China	61.74	347.06	38.26	345.06	39.40	64.35
United States	1.42	5.86	1.02	4.22	3.11	0.97
Total Foreign	175.32	487.93	39.64	485.96	39.29	179.38
Major Exporters 4/	37.14	183.27	0.66	148.25	30.80	42.02
Burma	1.07	12.70	0.01	10.45	2.20	1.13
India	29.50	118.00	0.00	102.30	10.20	35.00
Pakistan	0.93	7.20	0.00	3.00	4.40	0.73
Thailand	4.54	18.00	0.25	11.20	7.50	4.09
Vietnam	1.10	27.37	0.40	21.30	6.50	1.07
Major Importers 5/	127.83	237.90	13.96	249.48	3.41	126.81
China	115.00	146.73	2.40	145.13	3.00	116.00
European Union 6/	1.19	1.97	2.20	3.90	0.30	1.16
Indonesia	4.06	33.50	1.00	35.50	0.00	3.06
Nigeria	1.22	4.71	1.20	6.50	0.00	0.63
Philippines	3.52	11.40	2.50	14.30	0.00	3.12
Sel. Mideast 7/	0.91	2.34	3.30	5.70	0.00	0.85
Selected Other						0.00
Brazil	0.19	7.14	0.85	7.30	0.50	0.38
C. Amer & Carib 8/	0.67	1.50	1.89	3.38	0.03	0.64
Egypt	1.00	4.30	0.20	4.35	0.02	1.13
Japan	2.05	7.61	0.69	8.30	0.07	1.97
Mexico	0.14	0.18	0.79	0.93	0.01	0.16
South Korea	1.09	3.74	0.55	4.10	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/ Burma, India, Pakistan, Thailand, and Vietnam. 5/ Bangladesh, China, Nigeria, European Union, Philippines, Cote d'Ivoire, Indonesia, Iran, Iraq, and Saudi Arabia. 6/ Trade excludes intra-trade. 7/ Selected Middle East includes Iran, Iraq, and Saudi Arabia. 8/ Central American and Caribbean countries.



## WASDE - 600 - 25

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

<b>2020/21 Proj.</b>		<b>Beginning Stocks</b>	<b>Production</b>	<b>Imports</b>	<b>Total /2 Domestic</b>	<b>Exports</b>	<b>Ending Stocks</b>
World 3/	Apr	NA	NA	NA	NA	NA	NA
	May	180.35	501.96	42.08	498.12	45.22	184.18
World Less China	Apr	NA	NA	NA	NA	NA	NA
	May	64.35	352.96	39.88	351.12	42.02	67.18
United States	Apr	NA	NA	NA	NA	NA	NA
	May	0.97	6.86	1.04	4.37	3.18	1.33
Total Foreign	Apr	NA	NA	NA	NA	NA	NA
	May	179.38	495.09	41.04	493.76	42.04	182.85
Major Exporters 4/	Apr	NA	NA	NA	NA	NA	NA
	May	42.02	186.50	0.61	150.90	33.10	45.13
Burma	Apr	NA	NA	NA	NA	NA	NA
	May	1.13	13.10	0.01	10.60	2.20	1.44
India	Apr	NA	NA	NA	NA	NA	NA
	May	35.00	118.00	0.00	104.00	11.00	38.00
Pakistan	Apr	NA	NA	NA	NA	NA	NA
	May	0.73	7.50	0.00	3.10	4.30	0.83
Thailand	Apr	NA	NA	NA	NA	NA	NA
	May	4.09	20.40	0.20	11.80	9.00	3.89
Vietnam	Apr	NA	NA	NA	NA	NA	NA
	May	1.07	27.50	0.40	21.40	6.60	0.97
Major Importers 5/	Apr	NA	NA	NA	NA	NA	NA
	May	126.81	241.56	14.36	252.05	3.61	127.08
China	Apr	NA	NA	NA	NA	NA	NA
	May	116.00	149.00	2.20	147.00	3.20	117.00
European Union 6/	Apr	NA	NA	NA	NA	NA	NA
	May	1.16	1.97	2.25	4.00	0.30	1.08
Indonesia	Apr	NA	NA	NA	NA	NA	NA
	May	3.06	34.90	0.50	35.30	0.00	3.16
Nigeria	Apr	NA	NA	NA	NA	NA	NA
	May	0.63	4.96	1.40	6.50	0.00	0.50
Philippines	Apr	NA	NA	NA	NA	NA	NA
	May	3.12	11.00	3.00	14.50	0.00	2.62
Sel. Mideast 7/	Apr	NA	NA	NA	NA	NA	NA
	May	0.85	2.33	3.60	6.00	0.00	0.78
Selected Other							
Brazil	Apr	NA	NA	NA	NA	NA	NA
	May	0.38	6.87	0.90	7.20	0.50	0.44
C. Amer & Carib 8/	Apr	NA	NA	NA	NA	NA	NA
	May	0.64	1.58	1.90	3.45	0.03	0.64
Egypt	Apr	NA	NA	NA	NA	NA	NA
	May	1.13	4.30	0.20	4.50	0.02	1.11
Japan	Apr	NA	NA	NA	NA	NA	NA
	May	1.97	7.65	0.69	8.25	0.08	1.98
Mexico	Apr	NA	NA	NA	NA	NA	NA
	May	0.16	0.19	0.80	0.95	0.01	0.20
South Korea	Apr	NA	NA	NA	NA	NA	NA
	May	1.23	3.74	0.41	4.00	0.06	1.33

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/ Burma, India, Pakistan, Thailand, and Vietnam. 5/ Bangladesh, China, Nigeria, European Union, Philippines, Cote d'Ivoire, Indonesia, Iran, Iraq, and Saudi Arabia. 6/ Trade excludes intra-trade. 7/ Selected Middle East includes Iran, Iraq, and Saudi Arabia. 8/ Central American and Caribbean countries.

## WASDE - 600 - 26

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

<b>2018/19</b>	Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	80.74	118.65	42.47	120.32	41.12	0.12	80.31
World Less China	42.75	90.90	32.83	80.82	40.90	0.12	44.64
United States	4.20	18.37	3/	2.98	14.76	-0.02	4.85
Total Foreign	76.54	100.29	42.47	117.35	26.35	0.14	75.46
Major Exporters 4/	26.75	54.61	2.48	33.02	22.14	0.02	28.66
Central Asia 5/	2.67	5.44	3/	3.80	2.01	0.00	2.31
Afr. Fr. Zone 6/	1.61	5.43	3/	0.17	5.31	0.00	1.56
S. Hemis. 7/	13.01	17.31	0.18	4.39	10.86	0.01	15.23
Australia	3.04	2.20	3/	0.04	3.63	0.00	1.57
Brazil	8.66	13.00	0.02	3.40	6.02	0.00	12.26
India	9.23	25.80	1.80	24.00	3.51	0.00	9.31
Major Importers 8/	47.95	42.69	37.46	80.16	2.99	0.11	44.84
Mexico	0.66	1.74	0.85	1.95	0.50	0.03	0.77
China	37.99	27.75	9.64	39.50	0.21	0.00	35.67
European Union 9/	0.30	1.71	0.64	0.69	1.72	0.03	0.22
Turkey	1.78	3.75	3.50	6.90	0.48	0.00	1.64
Pakistan	2.83	7.60	2.85	10.70	0.06	0.03	2.50
Indonesia	0.63	3/	3.05	3.15	0.01	0.00	0.53
Thailand	0.20	3/	1.08	1.08	0.00	0.03	0.18
Bangladesh	1.86	0.14	7.20	7.40	0.00	0.01	1.78
Vietnam	1.29	3/	6.90	7.00	0.00	0.00	1.19
<b>2019/20 Est.</b>							
World	80.31	122.67	39.33	105.00	40.05	0.10	97.16
World Less China	44.64	95.42	31.83	71.00	39.87	0.10	60.92
United States	4.85	19.91	0.01	2.70	15.00	-0.03	7.10
Total Foreign	75.46	102.76	39.32	102.30	25.05	0.13	90.06
Major Exporters 4/	28.66	58.88	2.62	29.17	20.92	0.02	40.03
Central Asia 5/	2.31	5.97	3/	3.94	1.58	0.00	2.76
Afr. Fr. Zone 6/	1.56	6.10	3/	0.14	5.04	0.00	2.48
S. Hemis. 7/	15.23	15.86	0.17	3.99	10.83	0.01	16.43
Australia	1.57	0.63	3/	0.04	1.25	0.00	0.91
Brazil	12.26	13.20	0.03	3.10	8.60	0.00	13.78
India	9.31	30.50	2.00	20.50	3.20	0.00	18.11
Major Importers 8/	44.84	40.77	33.68	69.33	2.76	0.11	47.09
Mexico	0.77	1.57	0.60	1.75	0.38	0.03	0.79
China	35.67	27.25	7.50	34.00	0.18	0.00	36.25
European Union 9/	0.22	2.00	0.64	0.63	1.73	0.03	0.47
Turkey	1.64	3.60	3.80	6.40	0.35	0.00	2.29
Pakistan	2.50	6.20	3.20	9.00	0.10	0.03	2.78
Indonesia	0.53	3/	2.85	2.70	0.01	0.00	0.68
Thailand	0.18	3/	0.70	0.75	0.00	0.03	0.10
Bangladesh	1.78	0.14	6.60	6.50	0.00	0.01	2.02
Vietnam	1.19	3/	6.50	6.30	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, Burkina Faso, Cameroon, Central African Republic, Chad, Cote d'Ivoire, Mali, Niger, Senegal, and Togo. 7/ Argentina, Australia, Brazil, Lesotho, South Africa, Tanzania, Zambia, and Zimbabwe. 8/ In addition to the countries and regions listed, includes Japan, Russia, South Korea, and Taiwan. 9/ Includes intra-EU trade.

## WASDE - 600 - 27

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

<b>2020/21 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	Apr	NA	NA	NA	NA	NA	NA	NA
	May	97.16	118.95	42.84	116.46	42.93	0.14	99.43
World Less China	Apr	NA	NA	NA	NA	NA	NA	NA
	May	60.92	92.45	33.34	78.46	42.81	0.14	65.31
United States	Apr	NA	NA	NA	NA	NA	NA	NA
	May	7.10	19.50	0.01	2.90	16.00	0.01	7.70
Total Foreign	Apr	NA	NA	NA	NA	NA	NA	NA
	May	90.06	99.45	42.84	113.56	26.93	0.13	91.73
Major Exporters 4/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	40.03	56.58	1.81	32.64	22.82	0.02	42.95
Central Asia 5/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.76	5.90	3/	4.24	1.38	0.00	3.04
Afr. Fr. Zone 6/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.48	6.09	3/	0.14	5.54	0.00	2.88
S. Hemis. 7/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	16.43	15.74	0.16	4.13	11.13	0.01	17.07
Australia	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.91	1.70	3/	0.04	1.00	0.00	1.58
Brazil	Apr	NA	NA	NA	NA	NA	NA	NA
	May	13.78	12.00	0.03	3.20	9.00	0.00	13.61
India	Apr	NA	NA	NA	NA	NA	NA	NA
	May	18.11	28.50	1.10	23.50	4.50	0.00	19.71
Major Importers 8/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	47.09	39.78	38.58	76.94	2.63	0.11	45.76
Mexico	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.79	1.23	0.88	1.85	0.25	0.03	0.76
China	Apr	NA	NA	NA	NA	NA	NA	NA
	May	36.25	26.50	9.50	38.00	0.13	0.00	34.12
European Union 9/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.47	1.95	0.61	0.66	1.77	0.03	0.58
Turkey	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.29	3.65	3.70	7.00	0.33	0.00	2.32
Pakistan	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.78	6.30	4.70	10.50	0.15	0.03	3.10
Indonesia	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.68	3/	3.05	3.00	0.01	0.00	0.73
Thailand	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.10	3/	0.93	0.85	0.00	0.03	0.16
Bangladesh	Apr	NA	NA	NA	NA	NA	NA	NA
	May	2.02	0.15	7.00	7.00	0.00	0.01	2.15
Vietnam	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.39	3/	6.95	6.80	0.00	0.00	1.54

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, Burkina Faso, Cameroon, Central African Republic, Chad, Cote d'Ivoire, Mali, Niger, Senegal, and Togo. 7/ Argentina, Australia, Brazil, Lesotho, South Africa, Tanzania, Zambia, and Zimbabwe. 8/ In addition to the countries and regions listed, includes Japan, Russia, South Korea, and Taiwan. 9/ Includes intra-EU trade.

## WASDE - 600 - 28

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

2018/19		Beginning Stocks	Production	Imports	Domestic Crush	Domestic Total	Exports	Ending Stocks
World 2/		98.60	360.26	144.61	297.27	342.65	148.30	112.52
World Less China		75.54	344.29	62.07	212.27	240.65	148.18	93.07
United States		11.92	120.52	0.38	56.94	60.52	47.56	24.74
Total Foreign		86.68	239.74	144.23	240.33	282.14	100.74	87.78
Major Exporters 3/		56.87	185.98	6.56	86.73	96.15	91.35	61.90
Argentina		23.73	55.30	6.41	40.57	47.45	9.10	28.89
Brazil		32.74	119.00	0.14	42.47	44.81	74.59	32.48
Paraguay		0.39	8.85	0.01	3.62	3.82	4.90	0.53
Major Importers 4/		25.67	19.84	114.98	113.03	138.08	0.32	22.09
China		23.06	15.97	82.54	85.00	102.00	0.12	19.46
European Union		1.40	2.66	14.98	15.60	17.26	0.18	1.61
Southeast Asia		0.84	0.66	8.27	3.81	9.08	0.02	0.67
Mexico		0.17	0.34	5.87	6.15	6.20	0.00	0.18
<b>2019/20 Est.</b>								
World 2/		112.52	336.11	153.31	302.04	347.70	153.98	100.27
World Less China		93.07	318.01	61.31	215.54	243.50	153.85	75.04
United States		24.74	96.79	0.41	57.83	60.57	45.59	15.79
Total Foreign		87.78	239.32	152.90	244.21	287.13	108.39	84.49
Major Exporters 3/		61.90	187.10	3.98	89.68	99.72	100.03	53.23
Argentina		28.89	51.00	3.80	41.60	48.69	8.00	27.00
Brazil		32.48	124.00	0.15	44.25	46.90	84.00	25.73
Paraguay		0.53	9.90	0.02	3.75	4.05	5.90	0.50
Major Importers 4/		22.09	21.78	125.01	114.74	140.51	0.40	27.97
China		19.46	18.10	92.00	86.50	104.20	0.13	25.23
European Union		1.61	2.63	15.10	15.80	17.46	0.25	1.63
Southeast Asia		0.67	0.61	8.52	3.74	9.02	0.03	0.75
Mexico		0.18	0.24	6.00	6.20	6.25	0.00	0.16
<b>2020/21 Proj.</b>								
World 2/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	100.27	362.76	158.02	312.80	360.73	161.93	98.39
World Less China	Apr	NA	NA	NA	NA	NA	NA	NA
	May	75.04	345.26	62.02	219.80	249.33	161.83	71.16
United States	Apr	NA	NA	NA	NA	NA	NA	NA
	May	15.79	112.26	0.41	57.97	61.64	55.79	11.03
Total Foreign	Apr	NA	NA	NA	NA	NA	NA	NA
	May	84.49	250.49	157.62	254.83	299.09	106.14	87.36
Major Exporters 3/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	53.23	197.10	3.76	91.88	102.03	98.08	53.98
Argentina	Apr	NA	NA	NA	NA	NA	NA	NA
	May	27.00	53.50	3.60	43.00	50.20	6.50	27.40
Brazil	Apr	NA	NA	NA	NA	NA	NA	NA
	May	25.73	131.00	0.15	45.00	47.65	83.00	26.23
Paraguay	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.50	10.25	0.01	3.80	4.10	6.30	0.35
Major Importers 4/	Apr	NA	NA	NA	NA	NA	NA	NA
	May	27.97	21.34	129.33	121.54	148.34	0.33	29.97
China	Apr	NA	NA	NA	NA	NA	NA	NA
	May	25.23	17.50	96.00	93.00	111.40	0.10	27.23
European Union	Apr	NA	NA	NA	NA	NA	NA	NA
	May	1.63	2.60	14.90	15.70	17.36	0.20	1.57
Southeast Asia	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.75	0.60	8.92	3.92	9.46	0.03	0.79
Mexico	Apr	NA	NA	NA	NA	NA	NA	NA
	May	0.16	0.40	6.10	6.40	6.47	0.00	0.19

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). Totals may not add due to rounding.

## WASDE - 600 - 29

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

<b>2018/19</b>		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		13.47	233.28	62.05	229.68	67.27	11.86
World Less China		13.47	165.96	62.03	163.28	66.33	11.86
United States		0.50	44.28	0.62	32.75	12.30	0.37
Total Foreign		12.97	189.00	61.43	196.94	54.97	11.49
Major Exporters 3/		6.99	71.79	0.10	26.05	46.99	5.83
Argentina		2.48	31.20	0.03	3.13	28.83	1.74
Brazil		4.30	32.91	0.02	17.65	15.97	3.61
India		0.22	7.68	0.05	5.28	2.18	0.48
Major Importers 4/		1.58	22.02	38.88	60.26	0.59	1.64
European Union		0.21	12.32	18.76	30.44	0.37	0.48
Mexico		0.04	4.86	1.84	6.58	0.01	0.15
Southeast Asia 5/		1.21	2.98	16.69	19.77	0.20	0.91
<b>2019/20 Est.</b>							
World 2/		11.86	237.46	63.36	235.25	67.09	10.34
World Less China		11.86	168.95	63.35	167.70	66.11	10.34
United States		0.37	45.34	0.50	33.66	12.20	0.34
Total Foreign		11.49	192.13	62.86	201.59	54.89	10.00
Major Exporters 3/		5.83	72.99	0.08	26.85	46.75	5.30
Argentina		1.74	32.00	0.00	3.28	29.00	1.46
Brazil		3.61	34.35	0.03	18.08	16.30	3.61
India		0.48	6.64	0.05	5.49	1.45	0.23
Major Importers 4/		1.64	22.19	39.20	61.05	0.52	1.46
European Union		0.48	12.48	18.50	30.79	0.30	0.37
Mexico		0.15	4.90	1.93	6.90	0.01	0.07
Southeast Asia 5/		0.91	2.92	17.15	19.85	0.21	0.92
<b>2020/21 Proj.</b>							
World 2/	Apr	NA	NA	NA	NA	NA	NA
	May	10.34	246.05	64.43	243.53	67.39	9.90
World Less China	Apr	NA	NA	NA	NA	NA	NA
	May	10.34	172.39	64.41	170.86	66.39	9.90
United States	Apr	NA	NA	NA	NA	NA	NA
	May	0.34	45.56	0.36	34.02	11.88	0.36
Total Foreign	Apr	NA	NA	NA	NA	NA	NA
	May	10.00	200.49	64.06	209.51	55.51	9.54
Major Exporters 3/	Apr	NA	NA	NA	NA	NA	NA
	May	5.30	75.47	0.08	27.69	47.82	5.34
Argentina	Apr	NA	NA	NA	NA	NA	NA
	May	1.46	33.05	0.00	3.40	29.65	1.46
Brazil	Apr	NA	NA	NA	NA	NA	NA
	May	3.61	34.90	0.03	18.50	16.30	3.74
India	Apr	NA	NA	NA	NA	NA	NA
	May	0.23	7.52	0.05	5.79	1.87	0.14
Major Importers 4/	Apr	NA	NA	NA	NA	NA	NA
	May	1.46	22.42	39.84	61.72	0.52	1.49
European Union	Apr	NA	NA	NA	NA	NA	NA
	May	0.37	12.40	18.75	30.94	0.30	0.28
Mexico	Apr	NA	NA	NA	NA	NA	NA
	May	0.07	5.06	2.00	7.05	0.01	0.07
Southeast Asia 5/	Apr	NA	NA	NA	NA	NA	NA
	May	0.92	3.06	17.47	20.21	0.21	1.04

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. Totals may not add due to rounding.

## WASDE - 600 - 30

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

<b>2018/19</b>		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		3.83	55.64	10.43	54.92	11.18	3.81
World Less China		3.26	40.41	9.65	39.04	10.98	3.31
United States		0.91	10.98	0.18	10.38	0.88	0.81
Total Foreign		2.93	44.67	10.25	44.55	10.30	3.00
Major Exporters 3/		0.80	19.71	0.47	12.24	7.78	0.96
Argentina		0.27	7.91	0.00	2.57	5.26	0.35
Brazil		0.37	8.15	0.02	7.17	1.08	0.30
European Union		0.15	2.96	0.42	2.46	0.79	0.29
Major Importers 4/		1.02	17.98	6.36	23.98	0.31	1.08
China		0.57	15.23	0.78	15.89	0.20	0.50
India		0.17	1.73	3.00	4.75	0.01	0.14
North Africa 5/		0.19	0.73	1.56	2.17	0.10	0.21
<b>2019/20 Est.</b>							
World 2/		3.81	56.52	10.76	55.46	11.50	4.12
World Less China		3.31	41.02	9.76	39.07	11.35	3.66
United States		0.81	11.10	0.17	10.07	1.16	0.85
Total Foreign		3.00	45.41	10.59	45.39	10.34	3.27
Major Exporters 3/		0.96	20.31	0.46	12.35	8.02	1.37
Argentina		0.35	8.10	0.00	2.39	5.50	0.56
Brazil		0.30	8.50	0.03	7.45	1.05	0.33
European Union		0.29	3.00	0.43	2.47	0.80	0.45
Major Importers 4/		1.08	18.15	6.56	24.55	0.25	0.99
China		0.50	15.50	1.00	16.39	0.15	0.46
India		0.14	1.50	3.20	4.71	0.01	0.12
North Africa 5/		0.21	0.77	1.56	2.23	0.09	0.22
<b>2020/21 Proj.</b>							
World 2/	Apr	NA	NA	NA	NA	NA	NA
	May	4.12	58.53	11.12	57.88	11.75	4.14
World Less China	Apr	NA	NA	NA	NA	NA	NA
	May	3.66	41.87	9.92	40.31	11.60	3.54
United States	Apr	NA	NA	NA	NA	NA	NA
	May	0.85	11.20	0.18	10.43	0.95	0.85
Total Foreign	Apr	NA	NA	NA	NA	NA	NA
	May	3.27	47.34	10.94	47.45	10.80	3.29
Major Exporters 3/	Apr	NA	NA	NA	NA	NA	NA
	May	1.37	20.73	0.45	12.70	8.55	1.30
Argentina	Apr	NA	NA	NA	NA	NA	NA
	May	0.56	8.39	0.00	2.40	6.00	0.55
Brazil	Apr	NA	NA	NA	NA	NA	NA
	May	0.33	8.64	0.03	7.65	1.05	0.30
European Union	Apr	NA	NA	NA	NA	NA	NA
	May	0.45	2.98	0.42	2.61	0.83	0.42
Major Importers 4/	Apr	NA	NA	NA	NA	NA	NA
	May	0.99	19.57	6.82	26.01	0.23	1.13
China	Apr	NA	NA	NA	NA	NA	NA
	May	0.46	16.67	1.20	17.57	0.15	0.60
India	Apr	NA	NA	NA	NA	NA	NA
	May	0.12	1.69	3.24	4.90	0.01	0.14
North Africa 5/	Apr	NA	NA	NA	NA	NA	NA
	May	0.22	0.78	1.58	2.27	0.08	0.24

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. Totals may not add due to rounding.

## WASDE - 600 - 31

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

Year and Quarter		Beef	Pork	Red Meat 2/	Broiler	Turkey	Total Poultry 3/	Red Meat & Poultry	Egg	Milk	
		<i>Million Pounds</i>								<i>Mil doz</i>	<i>Bil lbs</i>
2019	II	6,817	6,615	13,491	10,945	1,451	12,529	26,020	2,351	55.7	
	III	6,923	6,706	13,683	11,402	1,453	12,992	26,675	2,347	54.2	
	IV	7,001	7,478	14,535	11,175	1,467	12,773	27,308	2,414	54.0	
	Annual	27,155	27,638	55,015	43,905	5,818	50,251	105,266	9,447	218.4	
2020	I	6,929	7,426	14,407	11,228	1,469	12,832	27,239	2,349	56.0	
	II*	5,635	6,035	11,725	10,550	1,445	12,135	23,860	2,340	56.8	
	III*	6,405	6,900	13,358	10,950	1,440	12,532	25,890	2,385	54.9	
	IV*	6,795	7,075	13,926	11,050	1,480	12,660	26,586	2,440	54.6	
	Annual										
	Apr Proj.	27,445	29,035	56,691	45,160	5,910	51,612	108,303	9,525	222.2	
	May Proj.	25,764	27,436	53,416	43,778	5,834	50,159	103,575	9,514	222.4	
2021	I*	6,665	7,080	13,797	10,900	1,465	12,495	26,292	2,365	55.9	
	Annual										
	Apr Proj.	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	May Proj.	27,490	28,235	55,943	44,975	5,885	51,400	107,343	9,680	224.1	

\* 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 2/	Barrows and gilts 3/	Broilers 4/	Turkeys 5/	Eggs 6/	Milk 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>
2019	II	118.79	57.95	97.7	85.5	69.7	17.93
	III	108.16	50.08	82.0	90.8	81.9	18.97
	IV	114.88	43.11	80.6	97.8	117.2	20.60
	Annual	116.78	47.95	88.6	89.2	94.0	18.63
2020	I	118.32	42.52	83.5	97.4	133.1	18.83
	II*	99.00	42.00	68.0	103.0	130.0	12.95
	III*	99.00	45.00	68.0	108.0	120.0	12.70
	IV*	100.00	43.00	66.0	110.0	135.0	13.80
	Annual						
	Apr Proj.	111.00	40.00	74.0	103.5	127.0	14.35
	May Proj.	104.1	43.1	71.4	104.6	129.5	14.55
2021	I*	101.00	44.00	80.0	101.0	120.0	14.10
	Annual						
	Apr Proj.	NA	NA	NA	NA	NA	NA
	May Proj.	109	47	81	104	115	15.00

\*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 - 600 - 32

## U.S. Meats Supply and Use

		Beginning Production		Imports	Total Supply	Exports	Ending Stocks	Total Use	Per Capita
		stocks	1/						
<i>Million Pounds /4</i>									
Beef	2019	662	27,221	3,057	30,940	3,022	642	27,276	58.1
	2020 Proj. Apr	642	27,511	2,940	31,093	3,160	700	27,233	57.7
	May	642	25,830	2,904	29,376	2,894	675	25,806	54.7
	2021 Proj. Apr	NA	NA	NA	NA	NA	NA	NA	NA
	May	675	27,556	3,020	31,251	3,140	650	27,461	57.8
Pork	2019	559	27,652	945	29,155	6,321	646	22,188	52.4
	2020 Proj. Apr	646	29,049	815	30,510	7,475	780	22,255	52.3
	May	646	27,450	816	28,913	7,148	580	21,185	49.7
	2021 Proj. Apr	NA	NA	NA	NA	NA	NA	NA	NA
	May	580	28,249	855	29,684	7,300	600	21,784	50.8
Total Red Meat 5/	2019	1,266	55,105	4,274	60,644	9,349	1,330	49,966	111.9
	2020 Proj. Apr	1,330	56,781	4,012	62,122	10,640	1,522	49,960	111.2
	May	1,330	53,506	3,993	58,828	10,050	1,300	47,478	105.7
	2021 Proj. Apr	NA	NA	NA	NA	NA	NA	NA	NA
	May	1,300	56,033	4,139	61,472	10,446	1,293	49,733	109.9
Broiler	2019	845	43,435	131	44,411	7,109	937	36,365	95.1
	2020 Proj. Apr	937	44,677	133	45,746	7,230	840	37,676	97.9
	May	937	43,310	140	44,386	7,363	840	36,183	94.1
	2021 Proj. Apr	NA	NA	NA	NA	NA	NA	NA	NA
	May	840	44,494	132	45,466	7,400	850	37,216	96.1
Turkey	2019	303	5,818	12	6,133	639	233	5,261	16.0
	2020 Proj. Apr	233	5,910	12	6,155	580	240	5,335	16.1
	May	233	5,834	13	6,079	584	235	5,260	15.9
	2021 Proj. Apr	NA	NA	NA	NA	NA	NA	NA	NA
	May	235	5,885	12	6,132	595	240	5,297	15.9
Total Poultry 6/	2019	1,153	49,781	146	51,080	7,829	1,175	42,076	112.5
	2020 Proj. Apr	1,175	51,128	148	52,451	7,890	1,089	43,472	115.5
	May	1,175	49,690	156	51,020	8,023	1,082	41,915	111.4
	2021 Proj. Apr	NA	NA	NA	NA	NA	NA	NA	NA
	May	1,082	50,918	147	52,147	8,061	1,097	42,989	113.5
Red Meat & Poultry	2019	2,419	104,886	4,420	111,724	17,179	2,504	92,041	224.3
	2020 Proj. Apr	2,504	107,909	4,160	114,573	18,530	2,611	93,432	226.7
	May	2,504	103,196	4,149	109,849	18,073	2,382	89,394	217.1
	2021 Proj. Apr	NA	NA	NA	NA	NA	NA	NA	NA
	May	2,382	106,951	4,286	113,619	18,507	2,390	92,722	223.4

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 - 600 - 33

## U.S. Egg Supply and Use

	2018	2019	2020 Proj.	2020 Proj.	2021 Proj.	2021 Proj.
			Apr	May	Apr	May
<b>Eggs</b>	<i>Million Dozen</i>					
<b>Supply</b>						
Beginning Stocks	87.5	78.8	108.7	108.7	NA	130.0
Production	9,205.0	9,447.5	9,525.0	9,513.6	NA	9,680.0
Imports	17.8	14.5	14.0	14.1	NA	16.0
<b>Total Supply</b>	<b>9,310.3</b>	<b>9,540.8</b>	<b>9,647.7</b>	<b>9,636.4</b>	<b>NA</b>	<b>9,826.0</b>
<b>Use</b>						
Exports	333.1	334.1	315.0	311.0	NA	330.0
Hatching Use	1,057.5	1,079.4	1,100.0	1,078.9	NA	1,120.0
Ending Stocks	78.8	108.7	135.0	130.0	NA	135.0
Disappearance						
<b>Total</b>	<b>7,841.0</b>	<b>8,018.6</b>	<b>8,097.7</b>	<b>8,116.5</b>	<b>NA</b>	<b>8,241.0</b>
Per Capita (number)	287.8	292.9	294.0	294.7	NA	297.4

## U.S. Milk Supply and Use

	2018	2019	2020 Proj.	2020 Proj.	2021 Proj.	2021 Proj.
			Apr	May	Apr	May
<b>Milk</b>	<i>Billion Pounds</i>					
Production	217.6	218.4	222.2	222.4	NA	224.1
Farm Use	1.0	1.0	1.0	1.0	NA	1.0
<b>Fat Basis Supply</b>						
Beg. Commercial Stocks	13.4	13.8	13.7	13.6	NA	15.3
Marketings	216.6	217.4	221.2	221.3	NA	223.1
Imports	6.3	7.0	6.6	6.7	NA	6.8
<b>Total Cml. Supply</b>	<b>236.2</b>	<b>238.1</b>	<b>241.4</b>	<b>241.7</b>	<b>NA</b>	<b>245.2</b>
<b>Fat Basis Use</b>						
Commercial Exports	10.4	9.1	8.9	9.2	NA	9.2
Ending Commercial Stocks	13.8	13.6	15.3	15.3	NA	14.1
CCC Donations	0.0	0.2	0.3	0.3	NA	0.0
Domestic Commercial Use	212.1	215.2	217.0	216.9	NA	221.9
<b>Skim-solid Basis Supply</b>						
Beg. Commercial Stocks	11.8	10.7	10.2	10.2	NA	11.3
Marketings	216.6	217.4	221.2	221.3	NA	223.1
Imports	5.5	5.8	5.6	5.7	NA	5.8
<b>Total Cml. Supply</b>	<b>233.8</b>	<b>233.9</b>	<b>237.0</b>	<b>237.3</b>	<b>NA</b>	<b>240.2</b>
<b>Skim-solid Basis Use</b>						
Commercial Exports	44.7	41.6	42.1	44.4	NA	44.9
Ending Commercial Stocks	10.7	10.2	11.4	11.3	NA	10.3
CCC Donations	0.0	0.2	0.1	0.1	NA	0.0
Domestic Commercial Use	178.5	181.9	183.3	181.5	NA	185.0

CCC Donations include purchases made through the USDA Trade Mitigation program. They do not include products purchased under other programs.

Dairy domestic commercial use for 2020 includes additional milk marketed but not processed.

Note: Totals may not add due to rounding.

## WASDE - 600 - 34

## U.S. Dairy Prices

	2018	2019	2020 Proj. Apr	2020 Proj. May	2021 Proj. Apr	2021 Proj. May
Product Prices 1/	<i>Dollars Per Pound</i>					
Cheese	1.5377	1.7586	1.380	1.420	NA	1.495
Butter	2.2572	2.2431	1.430	1.410	NA	1.465
Nonfat Dry Milk	0.7945	1.0419	0.955	0.940	NA	0.955
Dry Whey	0.3422	0.3799	0.345	0.380	NA	0.395
	<i>Dollars Per Cwt</i>					
Milk Prices 2/						
Class III	14.61	16.96	12.75	13.35	NA	14.20
Class IV	14.23	16.30	12.15	11.90	NA	12.20
All Milk 3/	16.27	18.63	14.35	14.55	NA	15.00

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 - 600 - 35

## Reliability of May Projections 1/

Note: Tables on pages 35-37 present a record of the May 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 3.1 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 5.3 percent. The average difference between the May projection and the final estimate is 16.5 million tons, ranging from 1.7 million to 35 million tons. The May projection has been below the estimate 23 times and above 16 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	3.1	5.3	16.5	1.7	35.0	23	16	
U.S.	6.6	11.3	3.0	0.0	9.8	21	18	
Foreign	3.3	5.6	15.3	1.6	32.9	22	17	
Exports								
World	6.0	10.1	6.0	0.1	17.6	26	13	
U.S.	12.4	21.0	3.0	0.0	10.2	22	16	
Foreign	6.9	11.7	5.7	0.4	17.8	27	12	
Domestic Use								
World	2.2	3.7	10.2	0.3	28.3	24	15	
U.S.	7.2	12.3	1.8	0.2	6.4	19	20	
Foreign	2.2	3.7	9.8	0.2	28.0	25	14	
Ending Stocks								
World	10.0	17.0	12.2	0.2	35.9	24	15	
U.S.	20.7	35.1	3.7	0.1	14.1	22	17	
Foreign	10.2	17.2	10.5	2.5	31.0	24	15	
<b>COARSE GRAINS 2/</b>								
Production								
World	3.7	6.3	26.6	1.1	103.6	19	20	
U.S.	13.9	23.7	20.9	0.9	103.8	21	18	
Foreign	2.7	4.7	14.7	0.2	42.8	18	21	
Exports								
World	7.6	12.8	7.6	1.3	20.9	27	12	
U.S.	27.4	46.5	8.3	0.1	29.5	17	22	
Foreign	13.6	23.1	6.6	0.3	20.8	27	12	
Domestic Use								
World	2.0	3.4	15.6	0.4	68.4	20	19	
U.S.	5.9	10.0	7.9	0.2	38.4	24	15	
Foreign	2.1	3.5	12.1	0.5	32.8	20	19	
Ending Stocks								
World	21.1	35.8	25.3	2.6	155.8	24	15	
U.S.	54.8	93.0	16.6	1.3	57.6	19	20	
Foreign	18.6	31.5	14.7	0.0	145.0	27	12	
<b>RICE, milled</b>								
Production								
World	2.4	4.1	6.9	0.0	21.8	23	16	
U.S.	8.0	13.6	0.4	0.0	1.1	21	18	
Foreign	2.4	4.1	6.9	0.4	22.0	23	16	
Exports								
World	9.8	16.5	1.8	0.1	7.5	28	11	
U.S.	11.7	19.9	0.2	0.0	1.0	19	15	
Foreign	10.5	17.8	1.7	0.2	7.1	28	11	
Domestic Use								
World	1.9	3.2	4.8	0.0	19.4	26	13	
U.S.	9.3	15.7	0.2	0.0	0.6	14	24	
Foreign	1.9	3.2	4.8	0.2	20.0	27	12	
Ending Stocks								
World	14.3	24.2	6.4	0.1	26.7	27	12	
U.S.	36.0	61.2	0.3	0.0	0.9	20	17	
Foreign	15.6	26.4	6.5	0.1	26.3	27	12	

1/ Footnotes at end of table.

CONTINUED

## WASDE - 600 - 36

## Reliability of May 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	NA	NA	11.5	1.5	23.1	6	5
U.S.	9.1	15.5	4.9	0.0	16.1	20	19
Foreign	NA	NA	6.8	0.7	16.9	7	4
Exports							
World	NA	NA	5.4	0.4	10.6	9	2
U.S.	15.7	26.6	3.3	0.0	11.3	20	18
Foreign	NA	NA	3.8	0.7	12.3	9	2
Domestic Use							
World	NA	NA	6.6	1.2	12.1	5	6
U.S.	6.3	10.7	2.0	0.2	7.5	24	15
Foreign	NA	NA	6.1	0.2	11.3	5	6
Ending Stocks							
World	NA	NA	10.2	2.0	20.7	6	5
U.S.	61.5	104.4	3.4	0.2	13.3	13	26
Foreign	NA	NA	6.8	0.1	15.7	8	3
COTTON	<i>Million 480-Pound Bales</i>						
Production							
World	6.2	10.6	4.4	0.1	16.7	23	16
U.S.	11.1	18.9	1.6	0.1	5.5	19	20
Foreign	6.3	10.7	3.4	0.1	12.2	21	18
Exports							
World	10.2	17.4	2.2	0.1	12.4	22	17
U.S.	29.5	50.1	1.4	0.1	3.9	23	16
Foreign	13.2	22.3	1.7	0.1	10.4	21	18
Domestic Use							
World	4.9	8.4	3.4	0.1	17.2	15	24
U.S.	9.5	16.1	0.5	0.0	1.4	17	21
Foreign	5.0	8.5	3.3	0.0	16.6	17	22
Ending Stocks							
World	17.8	30.2	6.6	1.0	18.1	26	13
U.S.	42.8	72.6	1.5	0.0	4.3	18	21
Foreign	16.9	28.7	5.6	0.1	17.2	26	13

1/ Marketing years 1981/82 through 2019/20 for grains, soybeans (U.S. only), and cotton. Marketing years 2009/10 through 2019/20 for global and foreign soybeans. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2018/19, and for 2019/20 the last month's estimate. 2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

## WASDE - 600 - 37

## Reliability of United States May 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	14.8	25.1	745	8	4,010	17	22
Exports	28.8	48.8	304	0	1,100	18	20
Domestic Use	6.3	10.7	311	11	1,538	25	14
Ending Stocks	65.8	111.6	597	41	2,091	19	20
<b>SORGHUM</b>							
Production	20.1	34.1	86	0	228	19	19
Exports	36.0	61.1	47	0	190	19	19
Domestic Use	25.5	43.2	55	0	162	16	22
Ending Stocks	70.4	119.4	48	1	238	15	24
<b>BARLEY</b>							
Production	14.1	24.0	27	1	206	16	23
Exports	76.9	130.5	14	0	92	20	15
Domestic Use	11.3	19.2	28	0	95	18	20
Ending Stocks	22.1	37.5	23	0	78	18	20
<b>OATS</b>							
Production	25.4	43.1	31	1	231	9	30
Exports	110.6	187.6	1	0	8	9	12
Domestic Use	10.6	18.0	20	0	160	13	25
Ending Stocks	35.5	60.3	17	0	77	12	23
<b>SOYBEAN MEAL</b>			<i>Thousand Short Tons</i>				
Production	5.6	9.5	1,288	0	5,344	25	13
Exports	17.7	30.0	966	0	2,750	23	15
Domestic Use	4.4	7.5	843	24	4,950	21	18
Ending Stocks	42.2	71.6	56	0	388	12	16
<b>SOYBEAN OIL</b>			<i>Million Pounds</i>				
Production	5.4	9.1	643	18	2,500	27	12
Exports	35.2	59.7	480	25	1,700	22	17
Domestic Use	4.1	6.9	482	8	1,800	23	16
Ending Stocks	36.5	61.9	455	24	1,702	24	15
<b>ANIMAL PROD.</b>			<i>Million Pounds</i>				
Beef	3.8	6.6	733	40	2,727	17	9
Pork	3.2	5.5	515	61	1,722	16	9
Broilers	2.5	4.2	692	75	1,640	12	14
Turkeys	4.0	6.8	169	2	500	12	14
			<i>Million Dozen</i>				
Eggs	1.6	2.7	99	2	300	17	9
			<i>Billion Pounds</i>				
Milk	1.5	2.6	1.9	0.0	6.7	11	9

1/ See pages 35 and 36 for record of reliability for U.S. wheat, rice, soybeans, and cotton. Marketing years 1981/82 through 2019/20 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 2018/19, and for 2019/20 the last month's estimate. Calendar years 1994 through 2019 for meats, eggs, and milk. Final for animal products is defined as the latest annual production estimate published by NASS for 1994-2019.

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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 International Production Assessment Division (IPAD) of the Foreign Agricultural Service. IPAD is located at <https://ipad.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-600 – May 12, 2020**

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