

# World Agricultural Supply and Demand Estimates

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WASDE - 617

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**WHEAT:** The outlook for 2021/22 U.S. wheat this month is for reduced supplies, lower domestic use, unchanged exports, and decreased ending stocks. Supplies are reduced primarily on lower production from the NASS *Small Grains Summary*, issued September 30. Supplies are also lowered on reduced imports, down 10 million bushels, to 125 million on the import pace. Annual feed and residual use is lowered 25 million bushels to 135 million despite the NASS *Grain Stocks* report indicating greater disappearance in the first quarter compared to last year. Significantly reduced supplies of Hard Red Spring, Durum, and White wheat for 2021/22 are expected to curtail feed and residual use for the remainder of 2021/22 along with the continued large price premium of wheat over corn. Exports are unchanged at 875 million bushels but there are offsetting by-class changes. Projected 2021/22 ending stocks are reduced 35 million bushels to 580 million, which are the lowest U.S. ending stocks since 2007/08. The projected 2021/22 season-average farm price is raised \$0.10 per bushel to \$6.70 on reported NASS prices to date and price expectations for the remainder of 2021/22.

The global wheat outlook for 2021/22 is for reduced supplies, lower consumption, nearly unchanged trade, and smaller ending stocks. Supplies are projected falling by 8.6 million tons to 1,064.2 million, primarily on the combination of reduced beginning stocks for Iran and reduced production for Canada, Iran, and the United States. Iran's 2021/22 beginning stocks are lowered 3.6 million, the result of a multi-year production revision from 2017/18 onward. Iran's 2021/22 production is lowered 1.5 million tons to 13.5 million, based on indications of greater 2021/22 imports driven by reduced domestic supplies. Canada's production is reduced 2.0 million tons to 21.0 million on reduced harvested area as increased abandonment is expected from the severe drought affecting the Prairie Provinces this past summer.

Projected 2021/22 world consumption is lowered 2.6 million tons to 787.1 million with the majority of the reduction for food, seed, and industrial use in India and Canada and feed and residual use for the United States. Projected 2021/22 global trade is fractionally lower at 199.6 million tons on lower exports by Canada that are nearly offset by higher exports by Australia, the EU, and India. Projected 2021/22 world ending stocks are reduced 6.0 million tons to 277.2 million and are the lowest since 2016/17 with Iran, the United States, and Australia accounting for most of the reduction.

**COARSE GRAINS:** This month's 2021/22 U.S. corn outlook is for slightly higher production, increased exports, lower feed and residual use, and larger ending stocks. Corn production is forecast at 15.019 billion bushels, up 23 million on a marginal increase in yield to 176.5 bushels per acre. Corn supplies are forecast up 72 million bushels from last month, on slightly higher production and increased beginning stocks based on the September 30 *Grain Stocks* report. Exports are raised 25 million bushels reflecting larger supplies and expectations of reduced competition from other major exporters. Projected feed and residual use is lowered 50 million bushels based on indicated disappearance during 2020/21. With supply rising and use falling, corn ending stocks for 2021/22 are raised 92 million bushels. The season-average corn price received by producers is unchanged at \$5.45 per bushel.

Grain sorghum production is forecast higher from last month, with a 2.6-bushel per acre increase in yield to 72.3 bushels per acre. Barley and oat production estimates are updated based on the September 30 *Small Grains Summary* report.

Global coarse grain production for 2021/22 is forecast down 2.9 million tons to 1,494.0 million. The 2021/22 foreign coarse grain outlook is for lower production, virtually unchanged trade, and larger stocks relative to last month. Foreign corn production is forecast essentially unchanged as increases for the EU, Canada, Venezuela, and Serbia are largely offset by declines for Ukraine, Russia, and Guatemala. EU corn production is raised reflecting increases for Poland and Romania more than offset declines for France and Bulgaria. Corn production in Canada is higher reflecting favorable yield prospects for Ontario. Projected corn yields for Russia and Ukraine are lowered based on reported harvest results to date.

Corn exports are raised for India, the United States, and the EU, with partly offsetting reductions for Ukraine, Russia, and Vietnam. For 2020/21, corn exports for Brazil are lowered for the local marketing year beginning March 2021, based on shipments through the month of September. For 2021/22, corn imports are lowered for Vietnam, Chile, Algeria, Israel, Lebanon, and Saudi Arabia, but raised for Bangladesh. Foreign corn ending stocks are higher, mostly reflecting increases for China and Mexico, with a partly offsetting reduction for Ukraine. Global corn stocks, at 301.7 million, are up 4.1 million.

**RICE:** The outlook for 2021/22 U.S. rice this month is for reduced supplies, lower domestic use, unchanged exports, and smaller ending stocks. Supplies are reduced on lower projected imports as they more than offset minimally higher production. NASS increased the average all rice yield by 2 pounds per acre, to 7,625 pounds in the October 12 *Crop Production* report, as production is fractionally higher. Imports are reduced 2.0 million cwt, to 36.0 million, on the continued trend of lower year-to-year long-grain monthly imports and expectations that higher freight costs and reduced availability of shipping containers will persist into 2021/22. Total domestic and residual use is decreased by 1.0 million cwt to 146.0 million on lower supplies and ending stocks are decreased to 33.2 million cwt, down 1.0 million. The season-average farm price for all rice is unchanged at \$14.80 per cwt.

The 2021/22 global outlook is for larger supplies, increased consumption, greater trade, and higher ending stocks. Supplies are raised by 2.0 million tons to 695.9 million for 2021/22, mostly on a larger Indian crop that would be another record. India's 2021/22 rice exports are raised 1.5 million tons to 18.5 million but still below exports in 2020/21, now estimated at a record 20.0 million, or more than 40 percent of global trade. Global 2021/22 ending stocks are raised 1.8 million tons to 183.6 million, primarily on increases for China and India, which comprise 61 and 19 percent of world stocks, respectively.

**OILSEEDS:** U.S. oilseed production for 2021/22 is forecast at 130.8 million tons, up 1.5 million from last month with higher soybean production partly offset by lower forecasts for sunflowerseed, canola, peanuts, and cottonseed. Soybean production is forecast at 4.4 billion bushels, up 74 million on higher yields. Harvested area is unchanged at 86.4 million acres. The soybean yield is projected at 51.5 bushels per acre, up 0.9 bushels from the September forecast. The largest production changes are for Iowa, Minnesota, and Nebraska. Soybean supplies for 2021/22 are projected at 4.7 billion bushels, up 145 million on higher production and beginning stocks. With higher crush and unchanged exports, 2021/22 ending stocks are projected at 320 million bushels, up 135 million from last month.

The U.S. season-average soybean price for 2021/22 is forecast at \$12.35 per bushel, down 55 cents reflecting larger supplies. The soybean meal price is forecast at \$325.00 per short ton, down \$35.00. The soybean oil price forecast is unchanged at 65 cents per pound.

Foreign 2021/22 oilseed production is lowered 2.4 million tons to 497.4 million on lower soybean, sunflowerseed, and rapeseed output. Soybean production is lowered for Argentina, India, and the EU. Argentina's production is lowered 1.0 million tons to 51.0 million on lower harvested area. Sunflowerseed production is lowered for Ukraine and Russia on recent harvest results. Canola production for Canada is lowered 1.0 million tons to 13.0 million, reflecting reports by Statistics Canada.

Global soybean supply and demand forecasts for 2021/22 include higher beginning stocks, lower crush, and higher ending stocks. Higher beginning stocks reflect increases for the United States, Argentina, and China. Argentina's beginning stocks are raised on a downward revision to 2020/21 crush. The 2021/22 crush for Argentina is also lowered, leading to lower exports of meal and oil. China's 2020/21 crush is lowered 1.0 million tons to 93.0 million based on end of year data. Global soybean ending stocks for 2021/22 are increased 5.7 million tons to 104.6 million, with higher stocks for the United States, Argentina, and China.

**SUGAR:** U.S. beet sugar production for 2021/22 is increased by 145,945 short tons, raw value (STRV) to 5.348 million. NASS increased its forecast of national sugarbeet production by 1.063 million tons to 35.675 million. The largest gains were in the Upper Midwest at 6.13 percent on increased yield of 27.7 tons/acre and the Great Plains at 1.71 percent on increased area. Louisiana cane sugar production for the September-August crop year is reduced by 2.29 percent to 1.783 million STRV. NASS forecasts a lower yield of 32.2 tons/acre, slightly offset by processors' forecast of slightly more sugarcane area for sugar. Fiscal year (FY) production is increased by 20,623 over the crop year total as the 2021 sugar campaign started later than originally expected and sugar expected to be produced in September is now projected to be produced after October 1 of FY 2021/22. Louisiana cane sugar production is therefore 1.804 million STRV for FY 2021/22 and 1.928 million for 2020/21.

On August 24, 2021, the USDA increased the 2020/21 raw sugar TRQ by 99,318 STRV and also extended the TRQ entry period through October 31, 2021. The proportion of the sugar entering in September was higher than what was expected last month. As a consequence, imports entering under this raw sugar TRQ are increased by 64,494 STRV for 2020/21 and decreased by the same amount for 2021/22. Raw sugar TRQ imports for 2021/22 are further reduced by 151,556 STRV as the Philippines is not expected to export any of the raw TRQ sugar allocated to it by USTR. The raw sugar TRQ shortfall is thereby raised to 250,764 STRV. High tier tariff sugar imports for 2020/21 are increased by 25,000 STRV to 205,000 on the pace to date but remain at 75,000 STRV for 2021/22.

Sugar use for 2021/22 is unchanged from last month but estimated higher in 2020/21 by 14,000 STRV with increased deliveries under the product re-export and polyhydric alcohol programs only partially offset by fewer deliveries for livestock feed. Ending stocks for 2020/21 are estimated marginally higher at 1,680,512 STRV while stocks for 2021/22 are projected lower by 38,361 STRV to 1,627,232. The 2021/22 ending stocks-to-use ratio is projected at 13.2 percent, down slightly from 13.5 percent last month.

Mexico sugar production for 2021/22 is projected at 5.940 million metric tons (MT), an increase of 131,000 over last month and 3.9 percent greater than production in 2020/21. Reports indicate that plentiful rain has alleviated much of the lingering drought effects that afflicted the previous two growing seasons. Area harvested, sugarcane yields, and sucrose recoveries are all

expected to be at levels close to averages over the period since 2013/14. Exports for 2020/21 are reduced by 184,290 MT due primarily to more sugar going into deliveries for IMMEX (59,329 MT) and into ending stocks (96,754 MT). CEDES program for stocks intended for export in the fourth quarter of 2021/22 are estimated at 28,118 MT. Deliveries for human consumption are also increased by small amounts for 2020/21 (20,000 MT) and 2021/22 (15,000 MT). IMMEX for 2021/22 is increased, as well, by 18,000 MT.

**LIVESTOCK, POULTRY, AND DAIRY:** The forecast for 2021 total red meat and poultry production is lowered from last month as lower pork, broiler, and turkey forecasts more than offset a higher beef forecast. Beef production is raised from the previous month as lower expected steer and heifer slaughter are more than offset by higher cow slaughter and heavier average carcass weights. The pork production forecast is reduced on lower expected fourth-quarter hog slaughter. Broiler and turkey production forecasts are reduced on recent hatchery and slaughter data. The egg production forecast is reduced slightly. For 2022, the total red meat and poultry forecast is reduced from the previous month. Although higher expected placements of cattle in second half 2021 are expected to support higher early-year supplies of fed cattle, placements in the first half of 2022 are lowered and fed cattle supplies in the second half of 2022 are expected to be tighter. USDA's *Quarterly Hogs and Pigs* report, released on September 24, estimated a lower pig crop for June-August and lower farrowing intentions for September-November. This supports lower hog slaughter expectations for first half 2022. Slower expected growth in pigs per litter during 2022 resulted in lower expected hog supplies in the second half of the year. Broiler and turkey production forecasts are reduced on expectations of a relatively slow response to improving margins. The 2022 egg production forecast is unchanged.

For 2021 and 2022, beef import forecasts are raised reflecting continued strength in demand while the export forecasts are unchanged. The pork import forecasts are raised on increased supplies of pork on the global market. The pork export forecast for 2021 is reduced on weaker expected demand from China and increased competition in global markets; however, exports are increased for 2022 as growth in several key markets recovers. The broiler export forecast for 2021 is raised slightly, but no change is made to the 2022 forecast. Turkey export forecasts for 2021 and 2022 are lowered from last month.

Fed cattle prices for 2021 are lowered on current price movements and relatively large supplies of fed cattle. However, the 2022 price forecast is raised on tighter expected supplies of cattle. The 2021 and 2022 hog price forecasts are raised on lower expected hog supplies. Broiler and turkey price forecasts are raised for 2021 and 2022 on lowered production.

Milk production forecasts for 2021 and 2022 are reduced from last month on smaller dairy cow numbers and slower growth in milk per cow. For 2021 and 2022, fat basis import forecasts are unchanged from the previous month, while the fat basis export forecasts are raised on stronger expected sales of cheese and butterfat containing products. The skim-solids basis import forecast for 2021 is lowered slightly on weaker expected imports of milk protein concentrates, but the 2022 forecast is unchanged. Skim-solids basis export forecast for 2021 is reduced on weaker sales of skim milk powder, whey, and lactose; however, the forecast for 2022 is unchanged.

For 2021, cheese, nonfat dry milk (NDM), and whey price forecasts are raised on current prices and lower expected production. The butter price is lowered slightly on current prices. For 2022, all dairy product prices are raised, largely on tighter supplies. The 2021 and 2022 Class III and Class IV price forecasts are raised from last month on higher dairy product prices. The 2021 all milk price is forecast higher at \$18.45 per cwt. The all milk price forecast for 2022 is \$19.20 per cwt.

**COTTON:** The 2021/22 U.S. cotton supply and demand estimates show lower production, lower ending stocks, and a higher price compared with last month. Production is lowered 3 percent, to 18.0 million bales as projected yields in Texas are reduced. With domestic mill use and exports unchanged, ending stocks are 500,000 bales lower. At 3.2 million bales, U.S. ending stocks in 2021/22 are projected at 18 percent of use, compared with 17 percent in 2020/21. The 2021/22 season-average farm price for upland cotton is forecast at a record-high 90.0 cents per pound, 6 cents higher than last month and nearly 2 percent above the previous record of 88.3 cents in 2011/12.

The global cotton 2021/22 balance sheet shows lower consumption, higher production, and higher ending stocks compared with last month. During the first weeks of October 2021, world cotton prices have averaged over 115 cents per pound, up at least 40 percent from both year-earlier and long-run levels. While world income growth and spending on goods are expected to remain high during 2021/22, projected annual world cotton consumption growth is now 2.9 percent, compared with 3.8 percent in September. China's consumption is reduced 1 million bales as, in addition to high prices, lagging energy production there cuts into industrial capacity. Consumption is also lower this month in Vietnam, but higher in Pakistan and Turkey. World production is 700,000 million bales higher, largely due to an increase in Pakistan. Production is also higher in Turkey, but lower in India as well as the United States. World ending stocks in 2021/22 are projected 450,000 bales higher than in September, but 3.2 million bales below 2020/21.

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

APPROVED BY:

A handwritten signature in black ink, appearing to read "Seth Meyer", with a long horizontal flourish extending to the right.

SETH MEYER  
SECRETARY OF AGRICULTURE DESIGNATE

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**In 2021, the WASDE report will be released on Nov 9, and Dec 9.**

**In 2022 the WASDE report will be released on Jan 12, Feb 9, Mar 9, Apr 8, May 12, Jun 10, Jul 12, Aug 12, Sep 12, Oct 12, Nov 9, and Dec 9.**

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

<b>World</b>			<b>Output</b>	<b>Total Supply</b>	<b>Trade 2/</b>	<b>Total Use 3/</b>	<b>Ending Stocks</b>
Total Grains 4/	2019/20		2675.87	3485.18	448.52	2672.06	813.12
	2020/21 (Est.)		2707.56	3520.68	478.29	2727.53	793.15
	2021/22 (Proj.)	Sep	2785.11	3580.20	497.10	2791.32	788.88
		Oct	2780.53	3573.68	498.97	2785.37	788.31
Wheat	2019/20		762.33	1043.10	194.33	748.31	294.79
	2020/21 (Est.)		774.74	1069.52	201.31	781.17	288.36
	2021/22 (Proj.)	Sep	780.28	1072.84	199.74	789.63	283.22
		Oct	775.87	1064.23	199.63	787.05	277.18
Coarse Grains 5/	2019/20		1415.25	1767.18	210.81	1430.59	336.58
	2020/21 (Est.)		1426.38	1762.96	227.89	1443.40	319.56
	2021/22 (Proj.)	Sep	1496.89	1813.44	248.84	1489.63	323.82
		Oct	1493.96	1813.52	249.63	1486.01	327.51
Rice, milled	2019/20		498.29	674.90	43.38	493.15	181.75
	2020/21 (Est.)		506.44	688.20	49.10	502.96	185.24
	2021/22 (Proj.)	Sep	507.95	693.91	48.53	512.07	181.85
		Oct	510.70	695.94	49.72	512.31	183.63
<b>United States</b>							
Total Grains 4/	2019/20		417.89	516.29	79.82	355.75	80.73
	2020/21 (Est.)		429.86	516.87	107.45	350.97	58.45
	2021/22 (Proj.)	Sep	447.90	511.98	97.93	358.01	56.04
		Oct	447.69	512.81	98.61	356.63	57.57
Wheat	2019/20		52.58	84.79	26.37	30.44	27.99
	2020/21 (Est.)		49.75	80.46	26.99	30.47	23.00
	2021/22 (Proj.)	Sep	46.18	72.82	23.81	32.28	16.73
		Oct	44.79	71.20	23.81	31.60	15.79
Coarse Grains 5/	2019/20		359.43	423.01	50.46	320.73	51.83
	2020/21 (Est.)		372.89	427.19	77.48	315.65	34.06
	2021/22 (Proj.)	Sep	395.67	430.52	71.23	321.07	38.23
		Oct	396.85	433.04	71.91	320.40	40.73
Rice, milled	2019/20		5.88	8.49	2.99	4.59	0.91
	2020/21 (Est.)		7.23	9.22	2.98	4.85	1.39
	2021/22 (Proj.)	Sep	6.05	8.64	2.89	4.67	1.09
		Oct	6.05	8.58	2.89	4.64	1.06

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 - 617 - 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/	2019/20		2,257.98	2,968.88	368.70	2,316.30	732.40
	2020/21 (Est.)		2,277.70	3,003.81	370.85	2,376.56	734.70
	2021/22 (Proj.)	Sep	2,337.21	3,068.22	399.18	2,433.31	732.84
		Oct	2,332.83	3,060.87	400.37	2,428.74	730.74
Wheat	2019/20		709.75	958.31	167.96	717.88	266.80
	2020/21 (Est.)		724.99	989.06	174.33	750.69	265.35
	2021/22 (Proj.)	Sep	734.10	1,000.02	175.92	757.35	266.49
		Oct	731.08	993.03	175.81	755.45	261.39
Coarse Grains 5/	2019/20		1,055.81	1,344.16	160.36	1,109.87	284.75
	2020/21 (Est.)		1,053.49	1,335.77	150.41	1,127.75	285.49
	2021/22 (Proj.)	Sep	1,101.22	1,382.93	177.61	1,168.56	285.59
		Oct	1,097.11	1,380.48	177.72	1,165.61	286.78
Rice, milled	2019/20		492.42	666.42	40.39	488.56	180.84
	2020/21 (Est.)		499.22	678.98	46.11	498.11	183.86
	2021/22 (Proj.)	Sep	501.90	685.27	45.64	507.40	180.76
		Oct	504.65	687.36	46.83	507.67	182.57

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	2019/20		121.40	200.91	41.23	102.87	97.65
	2020/21 (Est.)		112.16	209.81	48.49	119.93	90.30
	2021/22 (Proj.)	Sep	119.59	210.89	46.76	124.14	86.68
		Oct	120.28	210.58	46.43	123.40	87.13
United States	2019/20		19.91	24.77	15.51	2.15	7.25
	2020/21 (Est.)		14.61	21.86	16.37	2.40	3.15
	2021/22 (Proj.)	Sep	18.51	21.66	15.50	2.50	3.70
		Oct	18.00	21.16	15.50	2.50	3.20
Foreign 4/	2019/20		101.49	176.15	25.72	100.72	90.40
	2020/21 (Est.)		97.55	187.95	32.12	117.53	87.15
	2021/22 (Proj.)	Sep	101.08	189.23	31.26	121.64	82.98
		Oct	102.28	189.42	30.93	120.90	83.93

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 - 617 - 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	2019/20		580.68	714.50	190.68	508.36	112.59	
	2020/21 (Est.)		602.29	714.88	190.97	508.34	113.32	
	2021/22 (Proj.)	Sep	629.16	738.84	196.66	528.20	111.25	
		Oct	628.24	741.56	197.01	526.23	116.50	
	Oilmeals	2019/20		346.68	365.63	95.41	341.61	18.64
		2020/21 (Est.)		349.50	368.14	96.47	346.65	16.29
2021/22 (Proj.)		Sep	361.58	376.60	98.81	355.59	15.31	
	Oct	360.71	377.00	98.25	355.45	16.28		
Vegetable Oils	2019/20		207.26	232.79	86.78	202.88	26.40	
	2020/21 (Est.)		206.46	232.85	84.97	206.32	24.21	
	2021/22 (Proj.)	Sep	215.36	239.12	91.01	212.72	22.72	
		Oct	214.55	238.75	90.60	212.25	22.95	
<b>United States</b>								
Oilseeds	2019/20		106.98	134.74	46.97	63.04	15.96	
	2020/21 (Est.)		124.56	141.73	62.77	62.70	8.58	
	2021/22 (Proj.)	Sep	129.31	137.02	57.96	63.61	6.60	
		Oct	130.83	140.48	57.96	63.59	10.21	
Oilmeals	2019/20		48.76	53.31	12.83	40.09	0.39	
	2020/21 (Est.)		48.31	53.11	12.84	39.83	0.44	
	2021/22 (Proj.)	Sep	49.07	53.40	13.13	39.74	0.53	
		Oct	49.17	53.16	13.13	39.60	0.44	
Vegetable Oils	2019/20		12.64	18.71	1.50	16.00	1.21	
	2020/21 (Est.)		12.70	18.65	1.02	16.31	1.32	
	2021/22 (Proj.)	Sep	12.88	19.12	0.76	17.32	1.04	
		Oct	12.84	19.10	0.76	17.16	1.18	
<b>Foreign 3/</b>								
Oilseeds	2019/20		473.70	579.77	143.71	445.33	96.63	
	2020/21 (Est.)		477.73	573.15	128.20	445.64	104.74	
	2021/22 (Proj.)	Sep	499.85	601.82	138.70	464.59	104.65	
		Oct	497.40	601.07	139.05	462.64	106.29	
Oilmeals	2019/20		297.92	312.32	82.59	301.52	18.26	
	2020/21 (Est.)		301.19	315.03	83.63	306.82	15.86	
	2021/22 (Proj.)	Sep	312.50	323.20	85.68	315.85	14.78	
		Oct	311.53	323.84	85.12	315.85	15.84	
Vegetable Oils	2019/20		194.63	214.08	85.28	186.88	25.19	
	2020/21 (Est.)		193.76	214.20	83.95	190.01	22.89	
	2021/22 (Proj.)	Sep	202.48	220.00	90.25	195.41	21.68	
		Oct	201.71	219.65	89.83	195.09	21.77	

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 - 617 - 11

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

	2019/20	2020/21 Est.	2021/22 Proj. Sep	2021/22 Proj. Oct
			<i>Million Acres</i>	
Area Planted	45.5	44.5	46.7	46.7
Area Harvested	37.4	36.8	38.1	37.2
			<i>Bushels</i>	
Yield per Harvested Acre	51.7	49.7	44.5	44.3
			<i>Million Bushels</i>	
Beginning Stocks	1,080	1,028	844	845
Production	1,932	1,828	1,697	1,646
Imports	104	100	135	125
Supply, Total	3,116	2,957	2,676	2,616
Food	962	961	964	964
Seed	60	64	62	62
Feed and Residual	97	95	160	135
Domestic, Total	1,118	1,120	1,186	1,161
Exports	969	992	875	875
Use, Total	2,087	2,111	2,061	2,036
Ending Stocks	1,028	845	615	580
Avg. Farm Price (\$/bu) 2/	4.58	5.05	6.60	6.70

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

Year beginning June 1		Hard Red	Hard Red	Soft Red	White	Durum	Total
		Winter	Spring	Winter			
		<i>Million</i>			<i>Bushels</i>		
2020/21 (Est.)	Beginning Stocks	506	280	105	95	42	1,028
	Production	659	531	266	303	69	1,828
	Supply, Total 3/	1,169	858	376	404	148	2,957
	Domestic Use	402	339	222	64	93	1,120
	Exports	340	284	69	270	28	992
	Use, Total	742	623	291	334	121	2,111
	Ending Stocks, Total	428	235	85	70	27	845
2021/22 (Proj.)	Beginning Stocks	428	235	85	70	27	845
	Production	749	297	361	201	37	1,646
	Supply, Total 3/	1,182	592	451	276	115	2,616
	Domestic Use	511	254	237	80	80	1,161
	Exports	360	225	120	155	15	875
	Use, Total	871	479	357	235	95	2,036
	Ending Stocks, Total	311	113	94	41	20	580
	Oct	347	111	99	40	18	615
	Sep						

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

## WASDE - 617 - 12

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

FEED GRAINS	2019/20	2020/21 Est.	2021/22 Proj.	2021/22 Proj.
			Sep	Oct
			<i>Million Acres</i>	
Area Planted	100.6	102.3	105.6	105.9
Area Harvested	89.1	90.6	94.4	94.2
			<i>Metric Tons</i>	
Yield per Harvested Acre	4.03	4.11	4.19	4.21
			<i>Million Metric Tons</i>	
Beginning Stocks	60.5	51.8	32.6	34.0
Production	359.2	372.6	395.4	396.6
Imports	2.8	2.2	2.1	2.0
Supply, Total	422.4	426.6	430.0	432.6
Feed and Residual	154.3	146.2	148.5	147.7
Food, Seed & Industrial	165.9	168.9	172.1	172.3
Domestic, Total	320.2	315.1	320.6	320.0
Exports	50.4	77.5	71.2	71.9
Use, Total	370.6	392.6	391.8	391.9
Ending Stocks	51.8	34.0	38.2	40.7
<b>CORN</b>				
			<i>Million Acres</i>	
Area Planted	89.7	90.7	93.3	93.3
Area Harvested	81.3	82.3	85.1	85.1
			<i>Bushels</i>	
Yield per Harvested Acre	167.5	171.4	176.3	176.5
			<i>Million Bushels</i>	
Beginning Stocks	2,221	1,919	1,187	1,236
Production	13,620	14,111	14,996	15,019
Imports	42	24	25	25
Supply, Total	15,883	16,055	16,208	16,280
Feed and Residual	5,900	5,597	5,700	5,650
Food, Seed & Industrial 2/	6,286	6,469	6,625	6,630
Ethanol & by-products 3/	4,857	5,032	5,200	5,200
Domestic, Total	12,186	12,066	12,325	12,280
Exports	1,777	2,753	2,475	2,500
Use, Total	13,963	14,819	14,800	14,780
Ending Stocks	1,919	1,236	1,408	1,500
Avg. Farm Price (\$/bu) 4/	3.56	4.53	5.45	5.45

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.

## WASDE - 617 - 13

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

SORGHUM	2019/20	2020/21 Est.	2021/22 Proj.	2021/22 Proj.
			Sep	Oct
	<i>Million Bushels</i>			
Area Planted (mil. acres)	5.3	5.9	7.3	7.3
Area Harvested (mil. acres)	4.7	5.1	6.5	6.5
Yield (bushels/acre)	73.0	73.2	69.7	72.3
Beginning Stocks	64	30	13	20
Production	341	373	454	471
Imports	0	0	0	0
Supply, Total	405	403	467	492
Feed and Residual	97	89	105	125
Food, Seed & Industrial	75	10	10	10
Total Domestic	172	99	115	135
Exports	203	284	320	320
Use, Total	375	383	435	455
Ending Stocks	30	20	32	37
Avg. Farm Price (\$/bu) 2/	3.34	5.04	5.85	5.45
<b>BARLEY</b>				
Area Planted (mil. acres)	2.8	2.7	2.6	2.7
Area Harvested (mil. acres)	2.2	2.2	2.0	1.9
Yield (bushels/acre)	77.7	77.2	51.6	60.4
Beginning Stocks	87	80	72	71
Production	172	171	106	118
Imports	7	7	7	7
Supply, Total	266	258	184	196
Feed and Residual	38	26	10	10
Food, Seed & Industrial	142	147	110	115
Total Domestic	180	172	120	125
Exports	6	14	9	11
Use, Total	186	186	129	136
Ending Stocks	80	71	55	60
Avg. Farm Price (\$/bu) 2/	4.69	4.75	5.45	5.30
<b>OATS</b>				
Area Planted (mil. acres)	2.8	3.0	2.4	2.6
Area Harvested (mil. acres)	0.8	1.0	0.7	0.7
Yield (bushels/acre)	64.3	65.1	57.4	61.3
Beginning Stocks	38	37	38	38
Production	53	66	41	40
Imports	92	85	74	69
Supply, Total	183	188	153	147
Feed and Residual	63	68	45	40
Food, Seed & Industrial	82	78	79	80
Total Domestic	144	147	124	120
Exports	2	3	2	2
Use, Total	146	150	126	122
Ending Stocks	37	38	27	25
Avg. Farm Price (\$/bu) 2/	2.82	2.77	3.60	3.60

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.

## WASDE - 617 - 14

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

<b>TOTAL RICE</b>	2019/20	2020/21 Est.	2021/22 Proj. Sep	2021/22 Proj. Oct
		<i>Million Acres</i>		
Area Planted	2.55	3.04	2.54	2.54
Area Harvested	2.48	2.99	2.50	2.50
		<i>Pounds</i>		
Yield per Harvested Acre	7,473	7,619	7,623	7,625
		<i>Million Hundredweight</i>		
Beginning Stocks 2/	44.9	28.7	43.7	43.7
Production	185.1	227.6	190.5	190.5
Imports	37.3	34.1	38.0	36.0
Supply, Total	267.3	290.3	272.2	270.2
Domestic & Residual 3/	144.4	152.7	147.0	146.0
Exports, Total 4/	94.2	93.9	91.0	91.0
Rough	31.3	34.6	33.0	33.0
Milled (rough equiv.)	62.9	59.3	58.0	58.0
Use, Total	238.6	246.6	238.0	237.0
Ending Stocks	28.7	43.7	34.2	33.2
Avg. Milling Yield (%) 5/	70.00	70.00	70.00	70.00
Avg. Farm Price (\$/cwt) 6/	13.60	13.70	14.80	14.80
<b>LONG-GRAIN RICE</b>				
Harvested Acres (mil.)	1.73	2.30		
Yield (pounds/acre)	7,261	7,422		
Beginning Stocks	32.6	16.9	29.7	29.7
Imports	29.8	27.4	30.0	28.0
Production	125.6	170.9	144.2	144.3
Supply, Total 7/	188.0	215.1	203.9	202.0
Domestic & Residual 3/	106.3	120.3	115.0	114.0
Exports 8/	64.8	65.1	65.0	65.0
Use, Total	171.1	185.4	180.0	179.0
Ending Stocks	16.9	29.7	23.9	23.0
Avg. Farm Price (\$/cwt) 6/	12.00	12.60	13.00	13.00
<b>MEDIUM &amp; SHORT-GRAIN RICE</b>				
Harvested Acres (mil.)	0.75	0.69		
Yield (pounds/acre)	7,964	8,282		
Beginning Stocks	10.2	10.7	11.5	11.5
Imports	7.6	6.7	8.0	8.0
Production	59.5	56.7	46.3	46.3
Supply, Total 7/	78.3	74.2	65.7	65.7
Domestic & Residual 3/	38.2	32.4	32.0	32.0
Exports 8/	29.4	28.8	26.0	26.0
Use, Total	67.6	61.2	58.0	58.0
Ending Stocks	10.7	11.5	7.7	7.7
Avg. Farm Price (\$/cwt) 1/ 6/ 9/	18.20	17.70	20.10	20.10
California 10/	21.60	19.70	23.00	23.00
Other States 1/	11.60	13.00	14.00	14.00

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): 2017/18-1.4; 2018/19-2.1; 2019/20-1.0. 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 California 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. 10/ Marketing year beginning October 1.

## WASDE - 617 - 15

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

SOYBEANS	2019/20	2020/21 Est.	2021/22 Proj. Sep	2021/22 Proj. Oct
		<i>Million Acres</i>		
Area Planted	76.1	83.4	87.2	87.2
Area Harvested	74.9	82.6	86.4	86.4
		<i>Bushels</i>		
Yield per Harvested Acre	47.4	51.0	50.6	51.5
		<i>Million Bushels</i>		
Beginning Stocks	909	525	175	256
Production	3,552	4,216	4,374	4,448
Imports	15	20	25	15
Supply, Total	4,476	4,761	4,574	4,719
Crushings	2,165	2,141	2,180	2,190
Exports	1,679	2,265	2,090	2,090
Seed	97	101	104	104
Residual	11	-3	14	15
Use, Total	3,952	4,505	4,389	4,399
Ending Stocks	525	256	185	320
Avg. Farm Price (\$/bu) 2/	8.57	10.80	12.90	12.35
<b>SOYBEAN OIL</b>				
		<i>Million Pounds</i>		
Beginning Stocks	1,775	1,853	1,858	2,063
Production 4/	24,911	24,980	25,420	25,535
Imports	320	295	450	450
Supply, Total	27,006	27,128	27,728	28,048
Domestic Disappearance	22,317	23,350	25,000	25,000
Biofuel 3/	8,658	8,800	11,000	11,000
Food, Feed & other Industrial	13,659	14,550	14,000	14,000
Exports	2,837	1,715	1,250	1,250
Use, Total	25,154	25,065	26,250	26,250
Ending stocks	1,853	2,063	1,478	1,798
Avg. Price (c/lb) 2/	29.65	56.87	65.00	65.00
<b>SOYBEAN MEAL</b>				
		<i>Thousand Short Tons</i>		
Beginning Stocks	402	341	450	400
Production 4/	51,100	50,604	51,400	51,650
Imports	639	805	450	450
Supply, Total	52,142	51,750	52,300	52,500
Domestic Disappearance	37,967	37,450	37,600	37,900
Exports	13,834	13,900	14,200	14,200
Use, Total	51,801	51,350	51,800	52,100
Ending Stocks	341	400	500	400
Avg. Price (\$/s.t.) 2/	299.50	392.31	360.00	325.00

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 soybean oil used for biofuels as reported by the U.S. Energy Information Administration. 4/ Based on an October year crush of 2,135 million bushels for 2020/21 and 2,190 million bushels for 2021/22.

## WASDE - 617 - 16

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

	2019/20	2020/21 Est.	2021/22 Proj. Sep	2021/22 Proj. Oct
	<i>1,000 Short Tons, Raw Value</i>			
Beginning Stocks	1,783	1,618	1,632	1,681
Production 2/	8,149	9,182	9,162	9,286
Beet Sugar	4,351	5,031	5,202	5,348
Cane Sugar	3,798	4,151	3,960	3,939
Florida	2,106	2,089	2,005	2,005
Louisiana	1,566	1,928	1,825	1,804
Texas	126	134	130	130
Imports	4,165	3,252	3,212	3,000
TRQ 3/	2,152	1,751	1,803	1,591
Other Program 4/	432	315	250	250
Other 5/	1,581	1,186	1,159	1,159
Mexico	1,376	981	1,084	1,084
Total Supply	14,097	14,052	14,006	13,967
Exports	61	52	35	35
Deliveries	12,344	12,319	12,305	12,305
Food	12,246	12,200	12,200	12,200
Other 6/	98	119	105	105
Miscellaneous	74	0	0	0
Total Use	12,479	12,371	12,340	12,340
Ending Stocks	1,618	1,681	1,666	1,627
Stocks to Use Ratio	13.0	13.6	13.5	13.2

1/ Fiscal years beginning Oct 1. Data and projections correspond to category components from "Sweetener Market Data" (SMD). 2/ Production projections for 2020/21 and 2021/22 are based on Crop Production and/or processor projections/industry data and/or sugar ICEC analysis where appropriate. 3/ For 2020/21, WTO raw sugar TRQ shortfall (75) and for 2021/22 (251). 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 (206), 2020/21 (205), and 2021/22 (75). 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: 2019/20 -- 298; estimated 2020/21 -- 347; projected 2021/22 -- 358.

## 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>					
<b>Sugar</b>	2020/21 Est.						
	Sep	858	5,715	75	4,390	1,345	913
	Oct	858	5,715	67	4,469	1,161	1,010
2021/22 Proj.	Sep	913	5,809	55	4,382	1,482	913
	Oct	1,010	5,940	63	4,415	1,678	920

1/ HFCS consumption by Mexico (1,000 metric tons, dry basis): 2019/20 = 1,388; Estimated 2020/21 = 1,325; Projected 2021/22 = 1,300. Estimated Oct-Aug 2020/21 = 1,205; Estimated Oct-Aug 2019/20 = 1,267. Footnote source for estimate: Comité Nacional para el Desarrollo Sustentable de la Cana de Azúcar. 2/ Includes deliveries for consumption, Mexico's products export program (IMMEX), and Other Deliveries/Ending Year Statistical Adjustments. IMMEX: 2020/21 (486 est = 451 dom.+35 import); 2021/22 (445 proj = 410 dom.+35 import). Statistical Adjustments: 2020/21 (0), 2021/22 (0).



## WASDE - 617 - 17

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

	2019/20	2020/21 Est.	2021/22 Proj. Sep	2021/22 Proj. Oct
Area		<i>Million Acres</i>		
Planted	13.74	12.09	11.19	11.19
Harvested	11.50	8.28	9.92	9.92
		<i>Pounds</i>		
Yield per Harvested Acre	831	847	895	871
		<i>Million 480 Pound Bales</i>		
Beginning Stocks	4.85	7.25	3.15	3.15
Production	19.91	14.61	18.51	18.00
Imports	0.00	0.00	0.00	0.01
Supply, Total	24.77	21.86	21.66	21.16
Domestic Use	2.15	2.40	2.50	2.50
Exports, Total	15.51	16.37	15.50	15.50
Use, Total	17.66	18.77	18.00	18.00
Unaccounted 2/	-0.15	-0.06	-0.04	-0.04
Ending Stocks	7.25	3.15	3.70	3.20
Avg. Farm Price 3/	59.6	66.3	84.0	90.0

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.

## WASDE - 617 - 18

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

2019/20	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	280.77	762.33	187.39	139.22	748.31	194.33	294.79
World Less China	142.68	628.73	182.01	120.22	622.31	193.28	144.77
United States	29.39	52.58	2.83	2.63	30.44	26.37	27.99
Total Foreign	251.38	709.75	184.56	136.59	717.88	167.96	266.80
Major Exporters 4/	37.35	308.45	7.55	73.38	179.61	141.82	31.92
Argentina	1.74	19.78	0.01	0.05	6.35	12.79	2.39
Australia	4.44	14.48	0.89	4.50	8.00	9.14	2.68
Canada	6.04	32.67	0.68	4.13	9.26	24.63	5.50
European Union 5/	15.80	138.74	5.55	45.50	107.70	39.77	12.62
Russia	7.78	73.61	0.33	17.00	40.00	34.49	7.23
Ukraine	1.56	29.17	0.09	2.20	8.30	21.02	1.50
Major Importers 6/	178.71	201.29	122.00	37.09	297.92	13.21	190.88
Bangladesh	1.26	1.20	6.80	0.30	7.50	0.00	1.76
Brazil	1.06	5.20	7.03	0.50	12.10	0.43	0.76
China	138.09	133.60	5.38	19.00	126.00	1.05	150.02
Japan	1.08	1.10	5.68	0.65	6.37	0.29	1.21
N. Africa 7/	15.54	18.40	27.74	1.85	46.25	1.07	14.36
Nigeria	0.20	0.06	5.34	0.05	4.90	0.40	0.30
Sel. Mideast 8/	10.76	20.95	17.71	3.60	38.47	0.78	10.16
Southeast Asia 9/	5.95	0.00	26.46	7.94	25.38	1.13	5.90
Selected Other							
India	16.99	103.60	0.02	6.00	95.40	0.51	24.70
Kazakhstan	1.71	11.45	0.58	1.30	6.10	6.99	0.66
United Kingdom	1.91	15.60	1.75	7.70	15.20	1.62	2.44
<b>2020/21 Est.</b>							
World 3/	294.79	774.74	194.08	156.87	781.17	201.31	288.36
World Less China	144.77	640.49	183.46	116.87	631.17	200.55	144.24
United States	27.99	49.75	2.73	2.59	30.47	26.99	23.00
Total Foreign	266.80	724.99	191.35	154.28	750.69	174.33	265.35
Major Exporters 4/	31.92	322.60	6.66	72.33	178.93	146.49	35.76
Argentina	2.39	17.65	0.01	0.05	6.35	11.00	2.69
Australia	2.68	33.00	0.20	4.50	8.00	24.00	3.88
Canada	5.50	35.18	0.55	4.18	9.13	26.41	5.69
European Union 5/	12.62	126.00	5.38	42.00	104.25	29.73	10.02
Russia	7.23	85.35	0.40	19.00	42.50	38.50	11.98
Ukraine	1.50	25.42	0.13	2.60	8.70	16.85	1.51
Major Importers 6/	190.88	200.99	124.77	56.88	323.44	12.65	180.55
Bangladesh	1.76	1.18	7.20	0.50	8.00	0.00	2.14
Brazil	0.76	6.25	6.50	0.40	12.05	0.95	0.51
China	150.02	134.25	10.62	40.00	150.00	0.76	144.12
Japan	1.21	0.99	5.49	0.65	6.35	0.30	1.04
N. Africa 7/	14.36	16.60	28.50	1.75	46.82	0.80	11.84
Nigeria	0.30	0.06	6.59	0.05	5.55	0.60	0.79
Sel. Mideast 8/	10.16	20.43	17.54	3.04	38.45	0.62	9.06
Southeast Asia 9/	5.90	0.00	25.64	7.09	24.87	1.14	5.53
Selected Other							
India	24.70	107.86	0.02	6.50	102.28	2.50	27.80
Kazakhstan	0.66	14.26	0.80	1.45	6.25	8.00	1.47
United Kingdom	2.44	9.66	3.22	5.95	13.45	0.45	1.42

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 - 617 - 19

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

<b>2021/22 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Sep	292.56	780.28	197.05	159.22	789.63	199.74	283.22
	Oct	288.36	775.87	198.05	158.69	787.05	199.63	277.18
World Less China	Sep	148.45	643.38	187.05	123.22	640.63	198.74	142.20
	Oct	144.24	638.97	188.05	122.69	638.05	198.63	136.16
United States	Sep	22.97	46.18	3.67	4.35	32.28	23.81	16.73
	Oct	23.00	44.79	3.40	3.67	31.60	23.81	15.79
Total Foreign	Sep	269.60	734.10	193.38	154.86	757.35	175.92	266.49
	Oct	265.35	731.08	194.64	155.01	755.46	175.81	261.39
Major Exporters 4/	Sep	36.82	319.00	6.90	73.85	180.55	147.00	35.18
	Oct	35.76	317.40	6.80	74.15	180.75	146.00	33.21
Argentina	Sep	3.19	20.00	0.00	0.05	6.45	13.50	3.24
	Oct	2.69	20.00	0.00	0.05	6.45	13.50	2.74
Australia	Sep	4.38	31.50	0.20	4.70	8.20	23.00	4.88
	Oct	3.88	31.50	0.20	4.50	8.00	23.50	4.08
Canada	Sep	5.71	23.00	0.70	2.80	8.00	17.00	4.41
	Oct	5.69	21.00	0.70	2.80	7.90	15.00	4.49
European Union 5/	Sep	10.07	139.00	5.40	46.00	108.50	35.00	10.97
	Oct	10.02	139.40	5.30	46.00	108.50	35.50	10.72
Russia	Sep	11.98	72.50	0.50	17.00	40.00	35.00	9.98
	Oct	11.98	72.50	0.50	17.50	40.50	35.00	9.48
Ukraine	Sep	1.51	33.00	0.10	3.30	9.40	23.50	1.71
	Oct	1.51	33.00	0.10	3.30	9.40	23.50	1.71
Major Importers 6/	Sep	183.90	208.41	127.41	54.09	326.31	12.85	180.57
	Oct	180.55	207.39	128.80	53.99	326.07	13.07	177.60
Bangladesh	Sep	2.14	1.13	7.20	0.50	8.25	0.00	2.22
	Oct	2.14	1.13	7.40	0.60	8.45	0.00	2.22
Brazil	Sep	0.51	7.70	6.50	0.80	12.60	1.30	0.81
	Oct	0.51	7.90	6.50	0.80	12.60	1.30	1.01
China	Sep	144.12	136.90	10.00	36.00	149.00	1.00	141.02
	Oct	144.12	136.90	10.00	36.00	149.00	1.00	141.02
Japan	Sep	1.04	0.96	5.70	0.63	6.30	0.30	1.10
	Oct	1.04	1.10	5.60	0.63	6.30	0.30	1.14
N. Africa 7/	Sep	11.57	21.55	27.95	1.95	47.70	1.01	12.36
	Oct	11.84	21.59	27.80	1.95	47.70	1.01	12.52
Nigeria	Sep	0.79	0.06	5.80	0.05	5.75	0.50	0.39
	Oct	0.79	0.06	5.80	0.05	5.75	0.50	0.39
Sel. Mideast 8/	Sep	12.71	20.49	19.51	3.67	39.81	0.49	12.41
	Oct	9.06	18.99	21.05	3.57	39.45	0.61	9.04
Southeast Asia 9/	Sep	5.42	0.00	25.75	7.00	24.95	1.16	5.06
	Oct	5.53	0.00	25.65	6.90	24.88	1.16	5.14
Selected Other								
India	Sep	27.80	109.52	0.03	7.00	105.00	3.50	28.85
	Oct	27.80	109.52	0.03	7.00	104.50	4.00	28.85
Kazakhstan	Sep	1.47	12.50	0.80	1.50	6.30	7.20	1.27
	Oct	1.47	12.00	0.80	1.25	6.05	7.20	1.02
United Kingdom	Sep	1.46	15.00	2.00	7.70	15.70	0.70	2.06
	Oct	1.42	15.00	2.00	7.70	15.70	0.70	2.02

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 - 617 - 20

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

<b>2019/20</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	351.93	1,415.25	204.93	882.91	1,430.59	210.81	336.58
World Less China	141.53	1,147.07	187.45	682.09	1,135.52	210.77	135.64
United States	60.47	359.43	3.11	154.53	320.73	50.45	51.83
Total Foreign	291.46	1,055.81	201.82	728.38	1,109.87	160.36	284.75
Major Exporters 4/	19.62	307.86	4.58	134.33	179.24	128.59	24.23
Argentina	3.62	58.13	0.02	12.12	17.78	39.32	4.68
Australia	2.43	11.90	0.01	5.61	7.57	3.87	2.89
Brazil	5.67	105.82	2.31	61.71	72.84	35.23	5.72
Canada	3.29	28.61	1.92	17.23	24.93	4.91	3.98
Russia	1.22	40.50	0.18	22.29	31.39	8.63	1.87
Ukraine	2.04	46.55	0.03	8.89	11.89	34.08	2.65
Major Importers 5/	37.34	248.23	142.37	292.94	375.02	15.98	36.94
European Union 6/	14.51	152.74	19.42	119.65	158.63	13.65	14.39
Japan	1.75	0.23	17.63	13.91	17.87	0.00	1.74
Mexico	5.78	32.10	17.60	30.83	50.31	1.03	4.14
N. Afr & Mideast 7/	7.39	33.22	41.65	64.98	73.45	0.69	8.12
Saudi Arabia	1.70	0.20	11.22	11.05	11.40	0.00	1.72
Southeast Asia 8/	3.38	29.40	18.20	38.50	46.55	0.61	3.82
South Korea	1.86	0.28	11.98	9.55	12.09	0.00	2.02
Selected Other							
China	210.40	268.18	17.48	200.82	295.07	0.04	200.94
<b>2020/21 Est.</b>							
World 3/	336.58	1,426.38	233.59	903.29	1,443.40	227.89	319.56
World Less China	135.64	1,158.36	185.39	682.94	1,131.70	227.87	114.11
United States	51.83	372.89	2.48	146.39	315.65	77.48	34.06
Total Foreign	284.75	1,053.49	231.11	756.90	1,127.75	150.41	285.49
Major Exporters 4/	24.23	293.25	6.12	135.54	181.05	121.01	21.54
Argentina	4.68	58.47	0.01	11.83	17.56	42.41	3.18
Australia	2.89	16.45	0.00	5.28	7.24	9.78	2.32
Brazil	5.72	89.96	4.00	63.52	74.46	20.01	5.22
Canada	3.98	29.64	1.90	16.92	24.68	7.22	3.62
Russia	1.87	41.40	0.09	21.57	31.14	10.34	1.88
Ukraine	2.65	39.59	0.07	9.15	12.30	28.05	1.96
Major Importers 5/	36.94	251.24	137.00	294.70	376.55	13.09	35.53
European Union 6/	14.39	153.99	15.58	120.54	159.39	11.11	13.46
Japan	1.74	0.23	16.94	13.34	17.22	0.00	1.69
Mexico	4.14	32.66	17.16	30.24	49.74	0.73	3.50
N. Afr & Mideast 7/	8.12	33.42	37.78	63.11	71.32	0.67	7.33
Saudi Arabia	1.72	0.19	10.41	10.55	10.91	0.00	1.42
Southeast Asia 8/	3.82	30.45	22.85	43.05	51.36	0.59	5.18
South Korea	2.02	0.22	11.59	9.14	11.64	0.00	2.19
Selected Other							
China	200.94	268.02	48.20	220.35	311.70	0.02	205.44

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/ 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 - 617 - 21

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

<b>2021/22 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/	Sep	316.56	1,496.89	232.51	923.09	1,489.63	248.84	323.82
	Oct	319.56	1,493.96	230.96	918.54	1,486.01	249.63	327.51
World Less China	Sep	113.11	1,216.49	186.81	691.19	1,167.93	248.79	116.02
	Oct	114.11	1,213.56	185.26	686.64	1,164.31	249.58	117.71
United States	Sep	32.63	395.67	2.22	148.62	321.07	71.23	38.23
	Oct	34.06	396.85	2.12	147.71	320.40	71.91	40.73
Total Foreign	Sep	283.93	1,101.22	230.29	774.47	1,168.56	177.61	285.59
	Oct	285.49	1,097.11	228.84	770.83	1,165.61	177.72	286.78
Major Exporters 4/	Sep	22.51	333.70	5.68	140.55	186.51	150.58	24.80
	Oct	21.54	330.18	5.48	137.94	183.69	149.89	23.62
Argentina	Sep	3.26	62.78	0.01	12.95	18.62	43.71	3.72
	Oct	3.18	62.38	0.01	12.45	18.12	43.81	3.64
Australia	Sep	2.92	15.70	0.00	6.46	8.52	7.98	2.12
	Oct	2.32	15.70	0.00	5.26	7.32	9.18	1.52
Brazil	Sep	5.21	122.02	2.40	65.59	77.73	43.03	8.88
	Oct	5.22	122.02	2.20	65.59	77.53	43.03	8.89
Canada	Sep	3.73	24.87	3.11	17.24	24.54	4.56	2.62
	Oct	3.62	23.95	3.11	17.04	24.33	3.85	2.50
Russia	Sep	1.98	39.90	0.10	21.70	30.65	9.98	1.35
	Oct	1.88	38.70	0.10	21.30	30.25	9.18	1.25
Ukraine	Sep	1.96	50.82	0.03	9.21	12.40	38.13	2.27
	Oct	1.96	49.82	0.03	8.91	12.09	37.65	2.06
Major Importers 5/	Sep	35.31	248.21	138.81	294.01	376.70	13.41	32.23
	Oct	35.53	248.86	137.61	293.51	376.10	13.41	32.49
European Union 6/	Sep	13.49	153.65	16.41	119.03	158.00	11.45	14.11
	Oct	13.46	154.15	16.41	119.23	158.20	11.75	14.07
Japan	Sep	1.69	0.20	17.24	13.78	17.72	0.00	1.41
	Oct	1.69	0.25	17.24	13.83	17.77	0.00	1.40
Mexico	Sep	3.09	33.75	17.50	30.81	50.29	0.70	3.35
	Oct	3.50	33.75	17.55	30.86	50.34	0.70	3.76
N. Afr & Mideast 7/	Sep	7.66	30.30	39.41	61.92	70.59	0.42	6.36
	Oct	7.33	30.40	40.36	62.62	71.29	0.42	6.39
Saudi Arabia	Sep	1.62	0.20	11.21	11.26	11.61	0.00	1.42
	Oct	1.42	0.20	10.51	10.46	10.81	0.00	1.32
Southeast Asia 8/	Sep	4.81	29.81	20.95	43.25	51.75	0.85	2.98
	Oct	5.18	29.81	19.35	42.45	50.85	0.55	2.95
South Korea	Sep	2.19	0.22	11.61	9.55	12.06	0.00	1.97
	Oct	2.19	0.22	11.61	9.55	12.06	0.00	1.97
Selected Other								
China	Sep	203.44	280.40	45.70	231.90	321.70	0.05	207.79
	Oct	205.44	280.40	45.70	231.90	321.70	0.05	209.79

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/ 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 - 617 - 22

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

<b>2019/20</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	322.56	1,118.62	167.61	715.86	1,135.09	172.40	306.09
World Less China	112.38	857.85	160.03	522.86	857.09	172.39	105.57
United States	56.41	345.96	1.06	149.87	309.55	45.13	48.76
Total Foreign	266.15	772.66	166.55	565.99	825.54	127.27	257.34
Major Exporters 4/	9.97	219.01	1.73	88.40	110.40	107.03	13.27
Argentina	2.37	51.00	0.00	9.50	13.50	36.25	3.62
Brazil	5.31	102.00	1.65	58.50	68.50	35.23	5.23
Russia	0.38	14.28	0.05	8.80	9.80	4.07	0.83
South Africa	1.02	15.84	0.00	6.40	12.20	2.55	2.12
Ukraine	0.89	35.89	0.03	5.20	6.40	28.93	1.48
Major Importers 5/	22.24	129.30	93.95	163.05	217.45	7.04	21.01
Egypt	1.81	6.40	10.43	14.40	16.90	0.01	1.73
European Union 6/	7.64	66.74	17.38	59.00	78.80	5.39	7.58
Japan	1.45	0.00	15.89	12.40	15.95	0.00	1.39
Mexico	5.16	26.66	16.53	25.60	43.80	1.03	3.52
Southeast Asia 7/	3.37	29.35	17.26	37.70	45.55	0.61	3.81
South Korea	1.84	0.08	11.88	9.50	11.80	0.00	2.00
Selected Other							0.00
Canada	1.98	13.40	1.84	8.64	13.96	0.71	2.56
China	210.18	260.78	7.58	193.00	278.00	0.01	200.53
<b>2020/21 Est.</b>							
World 3/	306.09	1,115.50	186.42	723.28	1,131.61	177.97	289.99
World Less China	105.57	854.83	158.42	520.28	846.61	177.96	85.80
United States	48.76	358.45	0.62	142.18	306.49	69.92	31.41
Total Foreign	257.34	757.06	185.81	581.10	825.12	108.05	258.58
Major Exporters 4/	13.27	197.07	3.58	92.10	114.20	88.40	11.32
Argentina	3.62	50.00	0.01	10.00	14.00	37.50	2.12
Brazil	5.23	86.00	3.50	60.00	70.00	20.00	4.73
Russia	0.83	13.87	0.04	9.00	10.10	3.90	0.74
South Africa	2.12	16.90	0.01	7.20	13.00	3.20	2.83
Ukraine	1.48	30.30	0.02	5.90	7.10	23.80	0.90
Major Importers 5/	21.01	128.72	92.74	162.65	217.10	4.70	20.68
Egypt	1.73	6.40	9.60	13.90	16.40	0.01	1.32
European Union 6/	7.58	64.41	14.20	56.20	75.90	3.40	6.89
Japan	1.39	0.00	15.40	11.90	15.40	0.00	1.39
Mexico	3.52	27.35	16.50	25.50	43.70	0.70	2.97
Southeast Asia 7/	3.81	30.40	20.94	41.35	49.40	0.59	5.18
South Korea	2.00	0.08	11.50	9.10	11.40	0.00	2.18
Selected Other							0.00
Canada	2.56	13.56	1.58	8.80	14.00	1.52	2.18
China	200.53	260.67	28.00	203.00	285.00	0.01	204.19

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

## WASDE - 617 - 23

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

<b>2021/22 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Sep	286.48	1,197.77	185.95	749.24	1,186.62	201.27	297.63
	Oct	289.99	1,198.22	183.85	746.16	1,186.46	201.91	301.74
World Less China	Sep	84.30	924.77	159.95	535.24	892.62	201.25	90.46
	Oct	85.80	925.22	157.85	532.16	892.46	201.89	92.58
United States	Sep	30.15	380.93	0.64	144.79	313.07	62.87	35.77
	Oct	31.41	381.49	0.64	143.52	311.93	63.50	38.10
Total Foreign	Sep	256.33	816.84	185.31	604.45	873.55	138.41	261.85
	Oct	258.58	816.73	183.21	602.65	874.53	138.41	263.64
Major Exporters 4/	Sep	11.51	242.50	1.77	95.40	118.70	121.00	16.08
	Oct	11.32	241.00	1.77	94.90	118.20	120.20	15.69
Argentina	Sep	2.12	53.00	0.01	10.50	14.50	38.00	2.63
	Oct	2.12	53.00	0.01	10.50	14.50	38.00	2.63
Brazil	Sep	4.73	118.00	1.70	62.00	73.00	43.00	8.43
	Oct	4.73	118.00	1.70	62.00	73.00	43.00	8.43
Russia	Sep	0.84	15.50	0.05	10.00	11.10	4.80	0.49
	Oct	0.74	15.00	0.05	9.80	10.90	4.50	0.39
South Africa	Sep	2.92	17.00	0.00	7.30	13.30	3.20	3.42
	Oct	2.83	17.00	0.00	7.30	13.30	3.20	3.33
Ukraine	Sep	0.90	39.00	0.02	5.60	6.80	32.00	1.11
	Oct	0.90	38.00	0.02	5.30	6.50	31.50	0.91
Major Importers 5/	Sep	20.21	129.82	92.40	164.20	219.00	5.35	18.08
	Oct	20.68	130.62	90.90	163.80	218.50	5.35	18.35
Egypt	Sep	1.52	6.40	10.00	14.10	16.60	0.01	1.32
	Oct	1.32	6.40	10.00	13.90	16.40	0.01	1.32
European Union 6/	Sep	6.94	65.50	15.00	56.50	76.30	3.80	7.34
	Oct	6.89	66.30	15.00	57.00	76.80	4.10	7.29
Japan	Sep	1.39	0.00	15.60	12.30	15.85	0.00	1.14
	Oct	1.39	0.01	15.60	12.30	15.85	0.00	1.15
Mexico	Sep	2.62	28.00	17.00	26.00	44.20	0.70	2.72
	Oct	2.97	28.00	17.00	26.00	44.20	0.70	3.07
Southeast Asia 7/	Sep	4.80	29.76	18.90	41.40	49.65	0.85	2.97
	Oct	5.18	29.76	17.30	40.60	48.75	0.55	2.94
South Korea	Sep	2.18	0.08	11.50	9.50	11.80	0.00	1.95
	Oct	2.18	0.08	11.50	9.50	11.80	0.00	1.95
Selected Other								
	Canada	Sep	2.29	13.60	3.00	10.60	15.80	1.00
	Oct	2.18	14.00	3.00	11.00	16.20	1.00	1.98
China	Sep	202.19	273.00	26.00	214.00	294.00	0.02	207.17
	Oct	204.19	273.00	26.00	214.00	294.00	0.02	209.17

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

## WASDE - 617 - 24

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

<b>2019/20</b>	Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	176.61	498.29	42.32	493.15	43.38	181.75
World Less China	61.61	351.56	39.72	347.92	40.78	65.25
United States	1.42	5.88	1.19	4.59	2.99	0.91
Total Foreign	175.19	492.42	41.14	488.56	40.39	180.84
Major Exporters 4/	36.69	183.69	0.66	149.33	30.48	41.22
Burma	1.06	12.65	0.00	10.40	2.30	1.01
India	29.50	118.87	0.00	101.98	12.49	33.90
Pakistan	0.95	7.41	0.01	3.40	3.82	1.15
Thailand	4.08	17.66	0.25	12.30	5.71	3.98
Vietnam	1.10	27.10	0.40	21.25	6.17	1.18
Major Importers 5/	127.82	239.80	13.97	249.85	3.18	128.55
China	115.00	146.73	2.60	145.23	2.60	116.50
European Union 6/	1.19	1.99	2.00	3.39	0.53	1.26
Indonesia	4.06	34.70	0.55	36.00	0.00	3.31
Nigeria	1.22	5.04	1.40	6.85	0.00	0.81
Philippines	3.52	11.93	2.45	14.30	0.00	3.60
Sel. Mideast 7/	0.89	2.34	3.97	5.98	0.00	1.22
Selected Other						0.00
Brazil	0.25	7.60	0.87	7.30	1.22	0.21
C. Amer & Carib 8/	0.58	1.60	1.86	3.39	0.04	0.61
Egypt	0.95	4.30	0.30	4.30	0.02	1.23
Japan	2.05	7.61	0.71	8.35	0.03	1.98
Mexico	0.15	0.18	0.80	0.94	0.02	0.18
South Korea	1.09	3.74	0.45	4.10	0.06	1.14

**2020/21 Est.**

World 3/	181.75	506.44	46.43	502.96	49.10	185.24
World Less China	65.25	358.14	41.93	352.38	46.87	68.74
United States	0.91	7.23	1.08	4.85	2.98	1.39
Total Foreign	180.84	499.22	45.35	498.11	46.11	183.86
Major Exporters 4/	41.22	189.36	1.46	151.02	37.40	43.61
Burma	1.01	12.60	0.00	10.60	1.70	1.31
India	33.90	122.27	0.00	102.67	20.00	33.50
Pakistan	1.15	8.18	0.01	3.65	3.90	1.79
Thailand	3.98	18.86	0.20	12.70	5.60	4.74
Vietnam	1.18	27.44	1.25	21.40	6.20	2.27
Major Importers 5/	128.55	240.73	17.05	255.33	2.70	128.30
China	116.50	148.30	4.50	150.58	2.22	116.50
European Union 6/	1.26	1.95	1.78	3.40	0.45	1.14
Indonesia	3.31	35.30	0.60	35.80	0.00	3.41
Nigeria	0.81	4.89	1.90	6.90	0.00	0.70
Philippines	3.60	12.42	2.20	14.45	0.00	3.76
Sel. Mideast 7/	1.22	2.31	3.50	5.90	0.00	1.12
Selected Other						0.00
Brazil	0.21	8.00	0.70	7.45	0.85	0.61
C. Amer & Carib 8/	0.61	1.60	1.74	3.35	0.04	0.56
Egypt	1.23	4.00	0.35	4.30	0.01	1.28
Japan	1.98	7.57	0.69	8.25	0.08	1.90
Mexico	0.18	0.21	0.80	0.96	0.02	0.21
South Korea	1.14	3.51	0.45	4.00	0.06	1.04

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 - 617 - 25

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

<b>2021/22 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/	Sep	185.97	507.95	45.86	512.07	48.53	181.85
	Oct	185.24	510.70	46.79	512.31	49.72	183.63
World Less China	Sep	69.47	358.95	42.26	356.37	46.13	70.85
	Oct	68.74	361.70	42.79	357.21	47.32	71.63
United States	Sep	1.39	6.05	1.21	4.67	2.89	1.09
	Oct	1.39	6.05	1.14	4.64	2.89	1.06
Total Foreign	Sep	184.58	501.90	44.65	507.40	45.64	180.76
	Oct	183.86	504.65	45.65	507.67	46.83	182.57
Major Exporters 4/	Sep	44.38	189.60	0.71	153.80	36.05	44.83
	Oct	43.61	192.40	0.71	153.85	37.40	45.47
Burma	Sep	1.21	12.80	0.00	10.70	2.00	1.32
	Oct	1.31	12.60	0.00	10.65	2.00	1.27
India	Sep	34.50	122.00	0.00	105.00	17.00	34.50
	Oct	33.50	125.00	0.00	105.00	18.50	35.00
Pakistan	Sep	1.64	8.20	0.01	3.80	4.15	1.89
	Oct	1.79	8.20	0.01	3.90	4.00	2.10
Thailand	Sep	4.71	19.50	0.20	13.00	6.50	4.91
	Oct	4.74	19.50	0.20	13.00	6.50	4.94
Vietnam	Sep	2.32	27.10	0.50	21.30	6.40	2.22
	Oct	2.27	27.10	0.50	21.30	6.40	2.17
Major Importers 5/	Sep	128.17	243.24	16.25	261.17	2.97	123.53
	Oct	128.30	243.14	17.05	260.62	2.97	124.90
China	Sep	116.50	149.00	3.60	155.70	2.40	111.00
	Oct	116.50	149.00	4.00	155.10	2.40	112.00
European Union 6/	Sep	1.11	1.89	2.00	3.45	0.55	1.00
	Oct	1.14	1.89	2.00	3.45	0.55	1.03
Indonesia	Sep	3.41	35.35	0.60	35.60	0.00	3.76
	Oct	3.41	35.35	0.60	35.60	0.00	3.76
Nigeria	Sep	0.70	5.00	2.00	6.95	0.00	0.75
	Oct	0.70	5.00	2.00	6.95	0.00	0.75
Philippines	Sep	3.66	12.30	2.10	14.50	0.00	3.56
	Oct	3.76	12.30	2.20	14.55	0.00	3.71
Sel. Mideast 7/	Sep	1.12	2.25	3.90	6.17	0.00	1.11
	Oct	1.12	2.15	3.90	6.07	0.00	1.11
Selected Other							
	Brazil	Sep	0.61	8.02	0.65	7.45	1.05
	Oct	0.61	8.02	0.65	7.45	1.05	0.78
C. Amer & Carib 8/	Sep	0.57	1.65	1.91	3.46	0.02	0.65
	Oct	0.56	1.65	1.89	3.44	0.02	0.63
Egypt	Sep	1.28	2.90	0.90	4.25	0.01	0.82
	Oct	1.28	2.90	0.90	4.25	0.01	0.82
Japan	Sep	1.90	7.58	0.69	8.20	0.07	1.90
	Oct	1.90	7.56	0.69	8.20	0.07	1.88
Mexico	Sep	0.21	0.22	0.80	0.97	0.01	0.25
	Oct	0.21	0.22	0.80	0.97	0.01	0.25
South Korea	Sep	1.04	3.82	0.41	3.95	0.06	1.26
	Oct	1.04	3.82	0.41	3.95	0.06	1.26

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 - 617 - 26

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

<b>2019/20</b>	Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	79.51	121.40	40.81	102.87	41.23	-0.04	97.65
World Less China	43.84	94.15	33.67	69.87	41.08	-0.04	60.75
United States	4.85	19.91	3/	2.15	15.51	-0.15	7.25
Total Foreign	74.66	101.49	40.81	100.72	25.72	0.11	90.40
Major Exporters 4/	27.75	57.81	2.92	28.17	21.23	0.02	39.05
Central Asia 5/	2.28	5.96	3/	3.92	1.78	0.00	2.55
Afr. Fr. Zone 6/	1.41	5.91	3/	0.13	4.66	0.00	2.53
S. Hemis. 7/	15.34	16.69	0.14	3.56	11.34	0.01	17.25
Australia	1.57	0.63	3/	0.04	1.36	0.00	0.80
Brazil	12.26	13.78	0.01	2.70	8.94	0.00	14.40
India	8.40	28.80	2.28	20.00	3.20	0.00	16.28
Major Importers 8/	44.95	40.62	35.44	68.84	3.19	0.09	48.89
Mexico	0.69	1.57	0.59	1.48	0.66	0.03	0.69
China	35.67	27.25	7.14	33.00	0.16	0.00	36.90
European Union 9/	0.29	2.00	0.58	0.59	1.82	0.01	0.44
Turkey	1.69	3.45	4.67	6.60	0.45	0.00	2.77
Pakistan	2.50	6.20	3.98	9.20	0.06	0.03	3.39
Indonesia	0.53	3/	2.51	2.40	0.00	0.00	0.64
Thailand	0.20	3/	0.70	0.78	0.00	0.02	0.10
Bangladesh	1.78	0.14	7.50	6.90	0.00	0.01	2.52
Vietnam	1.23	3/	6.48	6.60	0.00	0.00	1.11
<b>2020/21 Est.</b>							
World	97.65	112.16	48.96	119.93	48.49	0.05	90.30
World Less China	60.75	82.66	36.09	79.93	48.48	0.05	51.04
United States	7.25	14.61	3/	2.40	16.37	-0.06	3.15
Total Foreign	90.40	97.55	48.95	117.53	32.12	0.11	87.15
Major Exporters 4/	39.05	54.69	1.60	33.15	27.56	0.02	34.61
Central Asia 5/	2.55	5.80	0.01	4.17	1.97	0.00	2.21
Afr. Fr. Zone 6/	2.53	4.84	3/	0.13	5.05	0.00	2.20
S. Hemis. 7/	17.25	15.69	0.14	4.03	13.80	0.01	15.24
Australia	0.80	2.80	3/	0.04	1.60	0.00	1.96
Brazil	14.40	10.82	0.01	3.10	11.01	0.00	11.12
India	16.28	28.00	0.84	24.20	6.19	0.00	14.74
Major Importers 8/	48.89	39.75	45.01	80.54	3.12	0.09	49.91
Mexico	0.69	1.02	0.88	1.65	0.50	0.03	0.41
China	36.90	29.50	12.87	40.00	0.01	0.00	39.26
European Union 9/	0.44	1.68	0.56	0.59	1.96	0.01	0.12
Turkey	2.77	2.90	5.33	7.70	0.59	0.00	2.71
Pakistan	3.39	4.50	5.33	10.60	0.03	0.03	2.57
Indonesia	0.64	3/	2.31	2.50	0.01	0.00	0.45
Thailand	0.10	3/	0.60	0.57	0.00	0.03	0.11
Bangladesh	2.52	0.15	8.75	8.50	0.00	0.01	2.90
Vietnam	1.11	3/	7.31	7.30	0.00	0.00	1.12

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 - 617 - 27

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

<b>2021/22 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	Sep	91.30	119.59	46.76	124.14	46.76	0.07	86.68
	Oct	90.30	120.28	46.45	123.40	46.43	0.06	87.13
World Less China	Sep	52.05	92.84	36.76	83.14	46.71	0.07	51.73
	Oct	51.04	93.53	35.95	83.40	46.38	0.06	50.67
United States	Sep	3.15	18.51	3/	2.50	15.50	-0.04	3.70
	Oct	3.15	18.00	0.01	2.50	15.50	-0.04	3.20
Total Foreign	Sep	88.15	101.08	46.76	121.64	31.26	0.11	82.98
	Oct	87.15	102.28	46.44	120.90	30.93	0.11	83.93
Major Exporters 4/	Sep	35.61	59.92	1.78	34.74	26.94	0.02	35.61
	Oct	34.61	59.42	1.78	34.73	26.55	0.02	34.51
Central Asia 5/	Sep	2.21	5.48	0.02	4.28	1.46	0.00	1.96
	Oct	2.21	5.48	0.02	4.28	1.46	0.00	1.96
Afr. Fr. Zone 6/	Sep	2.17	5.86	3/	0.14	5.91	0.00	1.98
	Oct	2.20	5.86	3/	0.13	5.92	0.00	2.00
S. Hemis. 7/	Sep	15.17	19.63	0.16	4.20	13.13	0.01	17.63
	Oct	15.24	19.63	0.16	4.20	12.93	0.01	17.90
Australia	Sep	1.96	4.70	3/	0.04	3.60	0.00	3.03
	Oct	1.96	4.70	3/	0.04	3.60	0.00	3.03
Brazil	Sep	11.05	12.50	0.03	3.20	8.20	0.00	12.17
	Oct	11.12	12.50	0.03	3.20	8.00	0.00	12.44
India	Sep	15.83	28.50	1.00	25.50	6.00	0.00	13.83
	Oct	14.74	28.00	1.00	25.50	5.80	0.00	12.44
Major Importers 8/	Sep	49.89	38.04	42.51	82.98	2.67	0.09	44.71
	Oct	49.91	39.74	42.04	82.14	2.72	0.09	46.75
Mexico	Sep	0.41	1.05	0.90	1.65	0.30	0.03	0.39
	Oct	0.41	1.05	1.00	1.70	0.30	0.03	0.44
China	Sep	39.26	26.75	10.00	41.00	0.05	0.00	34.96
	Oct	39.26	26.75	10.50	40.00	0.05	0.00	36.46
European Union 9/	Sep	0.13	1.69	0.60	0.63	1.65	0.00	0.14
	Oct	0.12	1.69	0.60	0.62	1.65	0.00	0.14
Turkey	Sep	2.71	3.40	5.20	8.30	0.60	0.00	2.41
	Oct	2.71	3.60	5.20	8.40	0.65	0.00	2.46
Pakistan	Sep	2.57	5.00	5.90	11.00	0.05	0.03	2.39
	Oct	2.57	6.50	5.00	11.20	0.05	0.03	2.79
Indonesia	Sep	0.45	3/	2.50	2.50	0.01	0.00	0.44
	Oct	0.45	3/	2.50	2.50	0.01	0.00	0.44
Thailand	Sep	0.11	3/	0.60	0.58	0.00	0.03	0.10
	Oct	0.11	3/	0.60	0.58	0.00	0.03	0.10
Bangladesh	Sep	2.90	0.15	8.20	8.70	0.00	0.01	2.54
	Oct	2.90	0.15	8.20	8.70	0.00	0.01	2.54
Vietnam	Sep	1.09	3/	7.50	7.50	0.00	0.00	1.10
	Oct	1.12	3/	7.30	7.30	0.00	0.00	1.13

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 - 617 - 28

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

<b>2019/20</b>		Beginning Stocks	Production	Imports	Domestic Crush	Domestic Total	Exports	Ending Stocks
World 2/		114.10	339.89	164.97	312.48	358.40	165.06	95.48
World Less China		94.64	321.79	66.43	220.98	249.20	164.97	68.69
United States		24.74	96.67	0.42	58.91	61.85	45.70	14.28
Total Foreign		89.36	243.22	164.55	253.57	296.56	119.36	81.21
Major Exporters 3/		61.73	189.54	5.45	89.09	99.05	110.68	46.99
Argentina		28.89	48.80	4.88	38.77	45.92	10.00	26.65
Brazil		32.47	128.50	0.55	46.74	49.39	92.14	20.00
Paraguay		0.35	10.25	0.01	3.50	3.66	6.62	0.33
Major Importers 4/		22.07	21.76	131.88	120.06	145.92	0.34	29.45
China		19.46	18.10	98.53	91.50	109.20	0.09	26.80
European Union		1.52	2.62	14.95	15.60	17.32	0.23	1.54
Southeast Asia		0.74	0.60	9.32	4.50	9.81	0.02	0.83
Mexico		0.18	0.24	5.75	6.00	6.05	0.00	0.11
<b>2020/21 Est.</b>								
World 2/		95.48	365.26	165.85	315.61	362.56	164.87	99.16
World Less China		68.69	345.66	66.85	222.61	250.96	164.79	65.44
United States		14.28	114.75	0.54	58.26	60.94	61.66	6.97
Total Foreign		81.21	250.51	165.31	257.36	301.62	103.21	92.19
Major Exporters 3/		46.99	194.81	6.03	89.78	99.91	95.04	52.89
Argentina		26.65	46.20	5.00	39.65	46.95	5.15	25.75
Brazil		20.00	137.00	1.02	46.75	49.42	81.65	26.95
Paraguay		0.33	9.90	0.01	3.30	3.47	6.60	0.17
Major Importers 4/		29.45	23.24	132.73	122.38	149.20	0.30	35.92
China		26.80	19.60	99.00	93.00	111.60	0.08	33.72
European Union		1.54	2.57	15.00	16.10	17.82	0.20	1.09
Southeast Asia		0.83	0.58	9.62	4.81	10.19	0.02	0.82
Mexico		0.11	0.25	6.00	6.20	6.25	0.00	0.10
<b>2021/22 Proj.</b>								
World 2/	Sep	95.08	384.42	170.94	329.35	378.37	173.17	98.89
	Oct	99.16	385.14	170.62	328.39	377.27	173.08	104.57
World Less China	Sep	62.28	365.42	69.94	231.35	260.67	173.07	63.90
	Oct	65.44	366.14	69.62	230.39	259.57	172.98	68.65
United States	Sep	4.76	119.04	0.68	59.33	62.57	56.88	5.04
	Oct	6.97	121.06	0.41	59.60	62.85	56.88	8.71
Total Foreign	Sep	90.31	265.38	170.26	270.02	315.80	116.29	93.86
	Oct	92.19	264.08	170.21	268.79	314.43	116.20	95.86
Major Exporters 3/	Sep	51.67	209.10	5.37	94.53	104.83	108.38	52.92
	Oct	52.89	208.10	5.37	93.53	103.76	108.38	54.22
Argentina	Sep	24.60	52.00	4.70	43.00	50.35	6.35	24.60
	Oct	25.75	51.00	4.70	42.00	49.40	6.35	25.70
Brazil	Sep	26.60	144.00	0.65	47.70	50.35	93.00	27.90
	Oct	26.95	144.00	0.65	47.70	50.35	93.00	28.25
Paraguay	Sep	0.46	10.50	0.01	3.75	4.05	6.50	0.42
	Oct	0.17	10.50	0.01	3.75	3.93	6.50	0.26
Major Importers 4/	Sep	35.08	22.90	135.35	127.75	155.70	0.35	37.28
	Oct	35.92	22.80	135.35	127.73	155.67	0.35	38.05
China	Sep	32.80	19.00	101.00	98.00	117.70	0.10	35.00
	Oct	33.72	19.00	101.00	98.00	117.70	0.10	35.92
European Union	Sep	1.09	2.83	15.00	15.90	17.62	0.23	1.08
	Oct	1.09	2.73	15.00	15.90	17.62	0.23	0.98
Southeast Asia	Sep	0.87	0.53	9.85	4.98	10.36	0.02	0.87
	Oct	0.82	0.53	9.85	4.98	10.36	0.02	0.82
Mexico	Sep	0.10	0.30	6.20	6.40	6.45	0.00	0.15
	Oct	0.10	0.30	6.20	6.40	6.45	0.00	0.15

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 - 617 - 29

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

<b>2019/20</b>		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		14.82	245.63	62.22	240.88	67.72	14.07
World Less China		14.82	173.16	62.17	169.37	66.71	14.07
United States		0.37	46.36	0.58	34.44	12.55	0.31
Total Foreign		14.46	199.27	61.64	206.44	55.17	13.76
Major Exporters 3/		6.91	73.19	0.03	27.37	45.85	6.91
Argentina		2.99	30.24	0.00	3.20	27.46	2.57
Brazil		3.54	36.23	0.01	18.50	17.50	3.78
India		0.38	6.72	0.02	5.67	0.89	0.57
Major Importers 4/		2.16	22.44	37.28	59.18	1.10	1.61
European Union		0.86	12.32	16.33	28.32	0.88	0.33
Mexico		0.26	4.75	1.82	6.73	0.01	0.10
Southeast Asia 5/		1.00	3.51	17.27	20.54	0.21	1.04
China		0.00	72.47	0.05	71.51	1.01	0.00
<b>2020/21 Est.</b>							
World 2/		14.07	249.02	63.72	245.55	68.83	12.44
World Less China		14.07	174.57	63.64	172.11	67.74	12.44
United States		0.31	45.91	0.73	33.97	12.61	0.36
Total Foreign		13.76	203.11	62.99	211.57	56.22	12.08
Major Exporters 3/		6.91	74.79	0.45	28.42	46.98	6.75
Argentina		2.57	30.93	0.00	3.33	28.20	1.97
Brazil		3.78	36.24	0.01	19.10	16.63	4.30
India		0.57	7.62	0.44	6.00	2.15	0.48
Major Importers 4/		1.61	23.09	37.25	59.38	1.21	1.36
European Union		0.33	12.73	16.65	28.62	0.75	0.34
Mexico		0.10	4.90	1.90	6.78	0.01	0.12
Southeast Asia 5/		1.04	3.75	16.85	20.39	0.45	0.80
China		0.00	74.45	0.08	73.44	1.09	0.00
<b>2021/22 Proj.</b>							
World 2/	Sep	11.43	258.46	65.24	253.00	70.58	11.54
	Oct	12.44	258.13	65.69	253.37	70.45	12.44
World Less China	Sep	11.43	180.84	65.18	176.43	69.48	11.54
	Oct	12.44	180.51	65.63	176.79	69.35	12.44
United States	Sep	0.41	46.63	0.41	34.11	12.88	0.45
	Oct	0.36	46.86	0.41	34.38	12.88	0.36
Total Foreign	Sep	11.02	211.83	64.83	218.89	57.70	11.08
	Oct	12.08	211.27	65.28	218.99	57.57	12.08
Major Exporters 3/	Sep	5.51	77.88	0.85	30.44	48.20	5.60
	Oct	6.75	77.43	0.85	30.38	48.00	6.64
Argentina	Sep	1.20	33.15	0.00	3.40	29.50	1.45
	Oct	1.97	32.75	0.00	3.40	29.30	2.02
Brazil	Sep	3.83	36.97	0.02	20.00	17.00	3.82
	Oct	4.30	36.97	0.02	20.00	17.00	4.28
India	Sep	0.48	7.76	0.83	7.04	1.70	0.34
	Oct	0.48	7.71	0.83	6.98	1.70	0.34
Major Importers 4/	Sep	1.59	23.37	37.90	60.07	1.09	1.70
	Oct	1.36	23.36	38.10	60.29	1.09	1.43
European Union	Sep	0.41	12.57	17.00	28.59	0.85	0.54
	Oct	0.34	12.57	17.00	28.59	0.85	0.46
Mexico	Sep	0.12	5.06	1.93	7.00	0.01	0.09
	Oct	0.12	5.06	1.93	7.00	0.01	0.09
Southeast Asia 5/	Sep	0.91	3.88	17.17	20.79	0.24	0.94
	Oct	0.80	3.88	17.37	21.04	0.24	0.77
China	Sep	0.00	77.62	0.06	76.58	1.10	0.00
	Oct	0.00	77.62	0.06	76.58	1.10	0.00

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 - 617 - 30

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

<b>2019/20</b>		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		4.35	58.54	11.40	57.23	12.31	4.76
World Less China		3.85	42.15	10.40	40.14	12.15	4.11
United States		0.81	11.30	0.15	10.12	1.29	0.84
Total Foreign		3.55	47.24	11.25	47.11	11.02	3.92
Major Exporters 3/		1.07	20.33	0.55	12.42	8.12	1.41
Argentina		0.43	7.70	0.00	2.18	5.40	0.55
Brazil		0.32	9.00	0.07	7.77	1.16	0.47
European Union		0.26	2.96	0.48	2.43	0.93	0.35
Major Importers 4/		1.24	19.43	7.04	25.88	0.47	1.36
China		0.50	16.40	1.00	17.09	0.16	0.65
India		0.14	1.51	3.63	5.11	0.02	0.15
North Africa 5/		0.32	1.05	1.79	2.47	0.29	0.40
<b>2020/21 Est.</b>							
World 2/		4.76	59.44	11.83	59.53	12.19	4.32
World Less China		4.11	42.60	10.55	41.56	12.16	3.55
United States		0.84	11.33	0.13	10.59	0.78	0.94
Total Foreign		3.92	48.11	11.70	48.94	11.41	3.38
Major Exporters 3/		1.41	20.55	0.72	12.56	8.94	1.18
Argentina		0.55	7.87	0.00	2.04	6.10	0.27
Brazil		0.47	9.00	0.25	7.96	1.27	0.49
European Union		0.35	3.06	0.48	2.51	0.98	0.40
Major Importers 4/		1.36	20.12	7.03	27.14	0.17	1.20
China		0.65	16.85	1.28	17.97	0.03	0.77
India		0.15	1.69	3.60	5.28	0.01	0.15
North Africa 5/		0.40	1.05	1.50	2.64	0.13	0.18
<b>2021/22 Proj.</b>							
World 2/	Sep	4.33	61.86	11.81	61.43	12.60	3.97
	Oct	4.32	61.69	11.82	61.27	12.56	4.01
World Less China	Sep	3.56	44.30	10.63	42.87	12.45	3.17
	Oct	3.55	44.13	10.65	42.71	12.41	3.21
United States	Sep	0.84	11.53	0.20	11.34	0.57	0.67
	Oct	0.94	11.58	0.20	11.34	0.57	0.82
Total Foreign	Sep	3.49	50.33	11.60	50.09	12.03	3.30
	Oct	3.38	50.11	11.62	49.93	11.99	3.19
Major Exporters 3/	Sep	1.29	21.46	0.53	12.85	9.19	1.24
	Oct	1.18	21.26	0.53	12.75	9.14	1.08
Argentina	Sep	0.46	8.55	0.00	2.21	6.30	0.50
	Oct	0.27	8.35	0.00	2.10	6.25	0.27
Brazil	Sep	0.42	9.18	0.08	7.99	1.30	0.39
	Oct	0.49	9.18	0.08	7.99	1.30	0.46
European Union	Sep	0.40	3.02	0.45	2.61	0.95	0.32
	Oct	0.40	3.02	0.45	2.61	0.95	0.32
Major Importers 4/	Sep	1.20	21.15	7.06	27.79	0.42	1.21
	Oct	1.20	21.13	7.08	27.78	0.42	1.21
China	Sep	0.78	17.56	1.18	18.56	0.15	0.80
	Oct	0.77	17.56	1.18	18.56	0.15	0.80
India	Sep	0.15	1.75	3.63	5.35	0.02	0.16
	Oct	0.15	1.75	3.63	5.35	0.02	0.16
North Africa 5/	Sep	0.19	1.22	1.58	2.57	0.25	0.17
	Oct	0.18	1.20	1.60	2.57	0.25	0.16

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 - 617 - 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>
2020	IV	7,069	7,515	14,633	11,047	1,451	12,630	27,263	2,371	55.6	
	Annual	27,174	28,303	55,680	44,583	5,743	50,876	106,556	9,283	223.2	
2021	I	6,895	7,291	14,235	10,893	1,390	12,410	26,645	2,306	56.8	
	II	6,957	6,668	13,673	11,231	1,399	12,770	26,443	2,303	58.1	
	III	6,980	6,535	13,560	11,500	1,400	13,035	26,595	2,315	56.1	
	IV*	7,000	7,180	14,228	11,100	1,420	12,650	26,878	2,395	56.0	
	Annual										
	Sep Proj.	27,742	27,739	55,675	44,774	5,629	50,940	106,615	9,340	227.8	
	Oct Proj.	27,832	27,674	55,696	44,724	5,609	50,865	106,561	9,319	227.0	
2022	I*	6,895	6,980	13,924	11,015	1,395	12,540	26,464	2,335	57.3	
	II*	6,825	6,480	13,355	11,300	1,405	12,845	26,200	2,335	58.6	
	III*	6,670	6,825	13,542	11,590	1,435	13,170	26,712	2,365	57.0	
	Annual										
		Sep Proj.	26,875	28,145	55,219	45,340	5,715	51,600	106,819	9,460	230.6
	Oct Proj.	26,995	27,585	54,775	45,240	5,695	51,480	106,255	9,460	229.7	

\* 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>
2020	IV	108.18	50.75	75.7	113.6	107.2	19.80
	Annual	108.51	43.18	73.2	106.5	112.2	18.24
2021	I	112.98	55.71	84.0	110.1	127.8	17.33
	II	120.75	80.92	104.4	117.7	94.2	18.67
	III	123.51	76.15	105.4	129.7	120.1	17.95
	IV*	127.00	65.00	100.0	129.0	130.0	19.80
	Annual						
	Sep Proj.	122.2	69.9	97.4	121.2	117.8	18.15
	Oct Proj.	121.06	69.45	98.4	121.6	118.0	18.45
2022	I*	130.00	63.00	102.0	120.0	121.0	19.30
	II*	128.00	64.00	105.0	120.0	110.0	19.00
	III*	126.00	60.00	95.0	122.0	111.0	18.85
	Annual						
		Sep Proj.	128	56	96	119	117
	Oct Proj.	129	61	98	121	117	19.20

\*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 - 617 - 32

## U.S. Meats Supply and Use

		Beginning Production		Imports	Total Supply	Exports	Ending Stocks	Total Use	Per Capita 2/ 3/
		stocks	1/						
<i>Million Pounds /4</i>									
Beef	2020	642	27,244	3,342	31,227	2,951	716	27,561	58.4
	2021 Proj. Sep	716	27,812	3,142	31,669	3,414	640	27,615	58.3
	Oct	716	27,902	3,187	31,804	3,414	640	27,750	58.6
	2022 Proj. Sep	640	26,945	3,150	30,735	3,270	640	26,825	56.5
	Oct	640	27,065	3,165	30,870	3,270	640	26,960	56.8
Pork	2020	646	28,318	904	29,869	7,280	467	22,121	52.0
	2021 Proj. Sep	467	27,754	1,042	29,264	7,334	460	21,470	50.3
	Oct	467	27,689	1,107	29,264	7,199	460	21,605	50.6
	2022 Proj. Sep	460	28,160	1,005	29,625	7,300	505	21,820	50.9
	Oct	460	27,600	1,145	29,205	7,405	505	21,295	49.7
Total Red Meat 5/	2020	1,330	55,774	4,547	61,651	10,235	1,217	50,199	111.8
	2021 Proj. Sep	1,217	55,769	4,504	61,491	10,752	1,130	49,609	110.0
	Oct	1,217	55,790	4,627	61,635	10,617	1,130	49,888	110.6
	2022 Proj. Sep	1,130	55,314	4,468	60,912	10,575	1,180	49,157	108.8
	Oct	1,130	54,870	4,628	60,628	10,680	1,180	48,768	107.8
Broiler	2020	937	44,106	145	45,188	7,367	830	36,991	96.2
	2021 Proj. Sep	830	44,295	143	45,268	7,466	775	37,027	96.0
	Oct	830	44,245	149	45,224	7,491	760	36,974	95.8
	2022 Proj. Sep	775	44,855	136	45,766	7,410	795	37,561	97.0
	Oct	760	44,756	145	45,661	7,410	775	37,476	96.8
Turkey	2020	233	5,743	21	5,997	571	223	5,203	15.8
	2021 Proj. Sep	223	5,629	22	5,874	568	200	5,106	15.4
	Oct	223	5,609	22	5,854	558	195	5,101	15.4
	2022 Proj. Sep	200	5,715	21	5,936	580	225	5,131	15.4
	Oct	195	5,695	21	5,911	560	200	5,151	15.5
Total Poultry 6/	2020	1,175	50,398	167	51,740	8,013	1,057	42,670	113.4
	2021 Proj. Sep	1,057	50,460	168	51,685	8,084	980	42,621	112.8
	Oct	1,057	50,386	174	51,617	8,100	960	42,557	112.7
	2022 Proj. Sep	980	51,114	160	52,254	8,046	1,025	43,183	113.9
	Oct	960	50,995	169	52,124	8,026	980	43,118	113.8
Red Meat & Poultry	2020	2,504	106,172	4,715	113,391	18,248	2,274	92,869	225.3
	2021 Proj. Sep	2,274	106,230	4,672	113,176	18,836	2,110	92,230	222.8
	Oct	2,274	106,176	4,801	113,252	18,717	2,090	92,445	223.3
	2022 Proj. Sep	2,110	106,428	4,628	113,166	18,621	2,205	92,340	222.7
	Oct	2,090	105,865	4,797	112,752	18,706	2,160	91,886	221.6

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 - 617 - 33

## U.S. Egg Supply and Use

	2019	2020	2021 Proj. Sep	2021 Proj. Oct	2022 Proj. Sep	2022 Proj. Oct
Eggs	<i>Million Dozen</i>					
Supply						
Beginning Stocks	22.7	31.6	24.5	24.5	21.0	21.0
Production	9,441.8	9,283.4	9,339.6	9,318.8	9,460.0	9,460.0
Imports	14.6	15.5	17.7	17.9	16.0	16.0
Total Supply	9,479.1	9,330.5	9,381.8	9,361.2	9,497.0	9,497.0
Use						
Exports	333.8	344.0	398.0	405.0	370.0	374.0
Hatching Use	1,081.2	1,078.5	1,116.7	1,116.7	1,140.0	1,140.0
Ending Stocks	31.6	24.5	21.0	21.0	24.0	24.0
Disappearance						
Total	8,032.5	7,883.5	7,846.1	7,818.5	7,963.0	7,959.0
Per Capita (number)	293.4	286.5	284.1	283.1	287.4	287.2

## U.S. Milk Supply and Use

	2019	2020	2021 Proj. Sep	2021 Proj. Oct	2022 Proj. Sep	2022 Proj. Oct
Milk	<i>Billion Pounds</i>					
Production	218.4	223.2	227.8	227.0	230.6	229.7
Farm Use	1.0	1.1	1.1	1.1	1.1	1.1
Fat Basis Supply						
Beg. Commercial Stocks	13.8	13.6	15.6	15.6	15.6	15.5
Marketings	217.4	222.1	226.7	226.0	229.5	228.6
Imports	6.9	6.8	6.6	6.6	6.7	6.7
Total Cml. Supply	238.1	242.5	248.9	248.2	251.8	250.8
Fat Basis Use						
Commercial Exports	9.1	9.3	11.4	11.8	10.9	11.0
Ending Commercial Stocks	13.6	15.6	15.6	15.5	15.4	15.3
CCC Donations	0.2	0.3	0.0	0.0	0.0	0.0
Domestic Commercial Use	215.2	217.4	221.9	220.8	225.5	224.5
Skim-solid Basis Supply						
Beg. Commercial Stocks	10.7	10.2	10.9	10.9	11.0	11.0
Marketings	217.4	222.1	226.7	226.0	229.5	228.6
Imports	5.8	5.6	5.8	5.6	5.5	5.5
Total Cml. Supply	233.9	237.9	243.4	242.5	246.0	245.1
Skim-solid Basis Use						
Commercial Exports	41.5	47.2	51.7	51.4	51.8	51.8
Ending Commercial Stocks	10.2	10.9	11.0	11.0	11.3	11.1
CCC Donations	0.2	0.1	0.0	0.0	0.0	0.0
Domestic Commercial Use	182.0	179.7	180.7	180.0	182.9	182.2

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 - 617 - 34

## U.S. Dairy Prices

	2019	2020	2021 Proj. Sep	2021 Proj. Oct	2022 Proj. Sep	2022 Proj. Oct
Product Prices 1/	<i>Dollars Per Pound</i>					
Cheese	1.7586	1.9236	1.640	1.680	1.655	1.715
Butter	2.2431	1.5808	1.690	1.685	1.730	1.755
Nonfat Dry Milk	1.0419	1.0417	1.225	1.245	1.270	1.380
Dry Whey	0.3799	0.3621	0.555	0.565	0.500	0.510
	<i>Dollars Per Cwt</i>					
Milk Prices 2/						
Class III	16.96	18.16	16.65	17.05	16.45	17.10
Class IV	16.30	13.49	15.55	15.70	16.05	17.15
All Milk 3/	18.65	18.24	18.15	18.45	18.40	19.20

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 - 617 - 35

## Reliability of October Projections 1/

Note: Tables on pages 35-37 present a record of the October 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 1.6 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 2.7 percent. The average difference between the October projection and the final estimate is 7 million tons, ranging from 0.1 million to 26.7 million tons. The October projection has been below the estimate 28 times and above 11 times.

	Root mean square error	90 percent confidence interval	Differences between forecast and final estimate				
			Average	Smallest	Largest	Years	
						Below Final	Above Final
<b>WHEAT</b>	<i>Percent</i>		<i>Million Metric Tons</i>				
Production							
World	1.6	2.7	7.0	0.1	26.7	28	11
U.S.	0.6	1.0	0.2	0.0	1.2	12	17
Foreign	1.8	3.1	7.0	0.1	26.8	28	11
Exports							
World	5.6	9.6	6.1	0.0	19.3	30	8
U.S.	8.2	13.9	2.2	0.3	10.0	18	21
Foreign	6.7	11.3	5.7	0.5	17.3	32	7
Domestic Use							
World	1.6	2.7	7.1	0.5	29.9	22	17
U.S.	6.0	10.2	1.6	0.1	3.6	10	29
Foreign	1.6	2.8	7.0	0.2	29.9	23	16
Ending Stocks							
World	8.0	13.5	10.4	0.6	32.5	30	9
U.S.	11.3	19.2	2.1	0.0	6.8	23	16
Foreign	8.4	14.3	9.0	0.0	29.3	30	9
<b>COARSE GRAINS 2/</b>							
Production							
World	1.9	3.2	16.0	0.8	51.9	30	9
U.S.	2.7	4.6	4.9	0.1	17.9	22	17
Foreign	2.5	4.2	15.2	0.6	61.4	31	8
Exports							
World	7.1	12.1	7.2	0.1	28.9	27	12
U.S.	15.6	26.5	6.9	0.7	19.3	18	21
Foreign	12.8	21.7	7.5	0.6	21.4	25	14
Domestic Use							
World	1.5	2.6	12.2	0.2	42.4	25	14
U.S.	3.6	6.1	5.7	0.0	17.0	19	20
Foreign	1.8	3.0	11.1	0.0	42.1	26	13
Ending Stocks							
World	13.5	22.9	18.2	0.2	170.0	30	9
U.S.	25.1	42.6	9.2	0.5	29.1	21	18
Foreign	16.5	28.0	15.8	0.7	153.5	33	6
<b>RICE, milled</b>							
Production							
World	2.2	3.8	6.2	0.0	20.9	30	8
U.S.	3.2	5.5	0.1	0.0	0.5	22	17
Foreign	2.3	3.9	6.2	0.1	21.0	30	9
Exports							
World	9.2	15.7	1.8	0.1	6.3	28	11
U.S.	10.1	17.2	0.2	0.0	0.8	19	18
Foreign	10.6	17.9	1.8	0.0	6.3	28	11
Domestic Use							
World	1.8	3.0	4.2	0.3	20.3	30	9
U.S.	7.8	13.2	0.2	0.0	0.6	20	18
Foreign	1.8	3.1	4.2	0.1	20.7	30	9
Ending Stocks							
World	11.2	19.1	5.8	0.2	26.6	31	8
U.S.	23.5	39.9	0.2	0.0	0.8	20	18
Foreign	11.8	20.0	5.9	0.1	26.6	32	7

1/ Footnotes at end of table.

CONTINUED

## WASDE - 617 - 36

## Reliability of October Projections (Continued) 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average			Years	
Average			Smallest	Largest	Below Final	Above Final	
<b>SOYBEANS</b>	<i>Percent</i>		<i>Million Metric Tons</i>				
Production							
World	4.3	7.3	6.5	0.1	28.7	19	20
U.S.	2.8	4.8	1.6	0.0	4.0	17	22
Foreign	7.0	11.8	6.3	0.0	28.1	18	21
Exports							
World	7.5	12.8	4.0	0.3	16.5	24	15
U.S.	11.3	19.1	2.7	0.1	8.6	24	15
Foreign	17.7	30.0	3.3	0.1	19.1	18	21
Domestic Use							
World	3.0	5.1	4.3	0.0	14.0	22	17
U.S.	3.8	6.4	1.4	0.0	4.5	24	14
Foreign	3.8	6.4	4.1	0.1	11.0	24	15
Ending Stocks							
World	17.1	29.1	4.9	0.3	18.6	23	16
U.S.	43.8	74.4	2.3	0.0	6.6	8	31
Foreign	18.8	31.9	4.5	0.3	19.9	21	18
<b>COTTON</b>	<i>Million 480-Pound Bales</i>						
Production							
World	4.4	7.5	2.9	0.0	10.9	20	18
U.S.	5.4	9.2	0.7	0.0	2.4	22	17
Foreign	5.1	8.6	2.6	0.0	10.5	19	19
Exports							
World	7.8	13.2	2.0	0.1	8.5	23	16
U.S.	17.4	29.5	1.1	0.1	3.1	23	16
Foreign	10.4	17.7	1.6	0.1	8.3	20	19
Domestic Use							
World	4.9	8.3	3.5	0.1	19.5	18	21
U.S.	10.0	17.0	0.4	0.0	1.2	18	20
Foreign	4.9	8.4	3.4	0.0	18.6	18	21
Ending Stocks							
World	13.3	22.6	5.3	0.0	15.8	23	15
U.S.	37.8	64.1	1.2	0.0	4.3	11	27
Foreign	14.2	24.2	4.9	0.2	15.6	27	12

1/ Marketing years 1981/82 through 2020/21 for grains, soybeans (U.S. only), and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2019/20, and for 2020/21 the last month's estimate. There was no WASDE published in October 2013, due to a partial government shutdown, so no 2013/14 forecasts were published for that month. 2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

## WASDE - 617 - 37

## Reliability of United States October Projections 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average	Smallest	Largest	Below Final	Above Final
<b>CORN</b>	<i>Percent</i>		<i>Million Bushels</i>				
Production	2.8	4.8	190	5	618	21	18
Exports	16.1	27.4	250	12	700	18	21
Domestic Use	3.9	6.6	223	5	600	21	18
Ending Stocks	27.8	47.2	344	18	1,187	21	18
<b>SORGHUM</b>							
Production	4.7	8.0	18	0	71	22	16
Exports	25.1	42.7	40	1	130	22	17
Domestic Use	20.6	35.0	37	0	125	18	20
Ending Stocks	52.1	88.4	29	0	142	13	25
<b>BARLEY</b>							
Production	1.4	2.4	3	0	24	9	16
Exports	53.2	90.3	11	0	38	17	17
Domestic Use	7.6	12.8	17	0	70	13	25
Ending Stocks	13.9	23.6	14	1	56	24	15
<b>OATS</b>							
Production	2.5	4.2	2	0	18	6	12
Exports	89.2	151.4	1	0	8	10	12
Domestic Use	5.4	9.2	11	0	39	13	25
Ending Stocks	22.6	38.3	14	0	47	26	12
<b>SOYBEAN MEAL</b>	<i>Thousand Short Tons</i>						
Production	3.6	6.1	1,087	105	2,815	26	13
Exports	11.5	19.4	737	0	2,200	23	15
Domestic Use	3.5	5.9	782	45	2,650	22	17
Ending Stocks	31.8	54.0	49	0	198	16	15
<b>SOYBEAN OIL</b>	<i>Million Pounds</i>						
Production	3.7	6.3	505	1	1,473	28	11
Exports	30.7	52.1	401	25	1,525	22	17
Domestic Use	3.9	6.6	462	20	1,928	26	13
Ending Stocks	25.9	44.0	390	35	1,327	20	19
<b>ANIMAL PROD.</b>	<i>Million Pounds</i>						
Beef	3.8	6.5	768	18	2,461	24	14
Pork	3.2	5.3	414	2	1,592	19	19
Broilers	1.8	3.1	415	23	1,337	23	15
Turkeys	3.7	6.2	143	2	444	19	19
	<i>Million Dozen</i>						
Eggs	1.8	3.0	102	4	468	24	14
	<i>Billion Pounds</i>						
Milk	1.5	2.6	2.0	0.2	6.8	20	18

1/ See pages 35 and 36 for record of reliability for U.S. wheat, rice, soybeans, and cotton. Marketing years 1981/82 through 2020/21 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 2020/21. Calendar years 1982 through 2020 for meats, eggs, and milk. Final for animal products is defined as the latest annual production estimate published by NASS for 1982-2020. There was no WASDE published in October 2013, due to a partial government shutdown, so no 2013/14 forecasts in that month were published for grains, soybeans, and cotton, and no 2013 forecast was published in that month for animal products.

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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-617 – October 12, 2021**

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