

# World Agricultural Supply and Demand Estimates

ISSN: 1554-9089

Office of the  
Chief Economist

Agricultural Marketing Service  
Farm Service Agency

Economic Research Service  
Foreign Agricultural Service

---

WASDE - 604      Approved by the World Agricultural Outlook Board      September 11, 2020

---

**WHEAT:** The 2020/21 U.S. wheat supply and demand outlook is unchanged this month but there are offsetting by-class changes for wheat exports. The projected season-average farm price remains at \$4.50 per bushel.

The 2020/21 global wheat outlook is for larger supplies, increased consumption, greater exports, and higher stocks. Supplies are raised 3.3 million tons to 1,070.3 million, mostly on higher production in Australia and Canada more than offsetting a smaller crop in Argentina. Australia's production is raised 2.5 million tons to 28.5 million, mainly based on the ABARES production forecast issued September 7. Canada's production is increased 2.0 million tons to 36.0 million, primarily on the Statistics Canada forecast issued August 31. This is the second and third-highest wheat production on record for Canada and Australia, respectively. Argentina's production is lowered 1.0 million tons to 19.5 million on continued dry conditions and possible frost damage. On net, global 2020/21 production is raised 4.5 million tons to a record high 770.5 million.

World consumption is increased 0.8 million tons to 750.9 million, primarily on higher feed and residual usage for Australia and Canada. Projected 2020/21 global trade is raised 1.5 million tons to 189.4 million on higher exports for Australia and Canada. The largest import change this month is for China, where imports are raised 1.0 million tons to 7.0 million on an early strong pace of U.S. sales and shipments to China and increased exportable supplies from Australia and Canada. If realized, these would be the largest China wheat imports since 1995/96. Projected 2020/21 world ending stocks are increased 2.6 million tons to 319.4 million to a new record, with China and India accounting for 51 and 10 percent of the total, respectively.

**COARSE GRAINS:** This month's 2020/21 U.S. corn outlook is for reduced production, lower corn used for ethanol, larger exports, and smaller ending stocks. Corn production is forecast at 14.9 billion bushels, down 378 million from last month on a lower yield forecast and reduction in harvested area. Corn supplies are reduced from last month, as a smaller crop more than offsets greater beginning stocks mostly due to lower estimated exports for 2019/20. Corn used for ethanol for 2020/21 is lowered 100 million bushels based on the continued slow recovery in motor gasoline demand as a result of COVID-19. Exports are raised 100 million bushels reflecting reduced supplies in competitor countries. With supply falling more than use, corn ending stocks are lowered 253 million bushels from last month. The corn price is raised 40 cents to \$3.50 per bushel.

This month's 2020/21 foreign coarse grain outlook is for larger production, with fractionally higher trade and lower stocks relative to last month. EU corn production is lowered, mostly reflecting a reduction for Romania. Ukraine corn production is down, as acute short-term drought across much of the primary growing areas lowered corn yield prospects after a

favorable start to the summer growing season. Corn production is raised for Brazil, as high domestic prices are expected to support an expansion in area. Corn production is also increased for India and Nigeria. Barley production is raised for Russia, the EU, and Australia.

Major global coarse grain trade changes for 2020/21 include barley export increases for Russia and Australia. Corn exports are raised for the United States, Brazil, and Mexico. Corn imports are raised for Venezuela. China's corn feed and residual use for 2019/20 and 2020/21 is raised from last month, based on observed soybean meal equivalent protein consumption and current corn prices. Foreign corn ending stocks are lower relative to last month, as increases for India and Nigeria are more than offset by a decline for China.

**RICE:** The outlook for 2020/21 U.S. rice this month is for lower beginning stocks, with increased production, imports, and total use. The August 21 NASS *Rice Stocks* report reduced 2020/21 beginning stocks by 2.0 million cwt. Imports for 2020/21 are raised 0.8 million cwt to 36.8 million on expectations of continued strong demand for combined medium- and short-grain varieties. In the September *Crop Production* report, NASS raised the 2020/21 rice crop by 6.9 million cwt to 225.0 million on increased harvested area. The average all rice yield is down 71 pounds per acre to 7,529 pounds. Long grain production is raised 9.8 million cwt to 168.9 million, and combined medium- and short-grain production is cut 3.0 million cwt to 56.0 million. With the increased supplies, domestic and residual use and exports are each raised 2.0 million cwt, all long grain. All rice ending stocks are increased by 1.6 million cwt to 45.9 million and the season-average farm price is dropped \$0.10 per cwt to \$12.60.

Foreign 2020/21 rice supplies are lowered fractionally with several, mostly offsetting, production changes led by a 1.0-million-ton increase for India and a 1.4-million-ton reduction for Thailand. The India change is based on updated government statistics, and Thailand's smaller crop reflects limited water supplies in irrigated production areas. Global exports are up fractionally led by a 1.0-million-ton increase for India that is offset by a 1.0-million-ton decrease for Thailand; both changes are based on each country's production revisions. With supplies down and global utilization virtually unchanged, global ending stocks are lowered 0.4 million tons to 184.8 million but remain record large.

**OILSEEDS:** U.S. soybean supply and use changes for 2020/21 include lower beginning stocks, production, and ending stocks. Lower beginning stocks reflect increases in exports and crush for 2019/20. Soybean production is projected at 4.3 billion bushels, down 112 million on a lower yield forecast of 51.9 bushels per acre. Yield is down 1.4 bushels per acre from the August forecast. With soybean crush and exports unchanged, ending stocks are projected at 460 million bushels, down 150 million from last month. Other changes this month include higher peanut and lower cottonseed production.

Soybean and product prices are all projected higher for 2020/21. The U.S. season-average soybean price is forecast at \$9.25 per bushel, up 90 cents from last month. The soybean meal price is projected at \$315 per short ton, up 25 dollars. The soybean oil price forecast is 32.0 cents per pound, up 2 cents.

The 2020/21 foreign oilseed supply and demand forecasts include higher production, exports, and ending stocks. Higher foreign production of soybeans, cottonseed, peanuts,

and rapeseed is partly offset by lower sunflowerseed. Soybean production is raised for Brazil, Canada, and India, and lowered for Ukraine. Brazil's 2020/21 soybean crop is raised 2 million tons to 133 million, mainly on increased area as producers face stronger prices and competitive exchange rates ahead of planting. Brazil's production for 2013/14 to 2018/19 also reflects revisions by Brazil's National Supply Company (CONAB). Soybean production forecasts for Canada and India are raised on recent government data and planting progress reports. Ukraine's soybean production is lowered due to low rainfall throughout August.

Global soybean exports are raised 0.9 million tons to 166.3 million, with higher exports for Brazil and lower exports for Ukraine based on available supplies. Crush is reduced for Argentina in line with the prior year's reduction. Global ending stocks are reduced 1.8 million tons to 93.6 million as lower U.S. stocks are partly offset by higher foreign stocks, particularly for Argentina and Brazil.

**SUGAR:** U.S. sugar production for 2020/21 is increased by 27,095 short tons, raw value (STRV) to 9.292 million. Cane sugar production in Texas is increased by 60,984 STRV to 141,984 based on processor reporting. Projected cane sugar production in Louisiana and Florida are unchanged from last month. Beet sugar production is decreased 33,889 STRV to 5.165 million on a decrease in the NASS-forecast national sugarbeet yield.

The Secretary of Agriculture increased the 2019/20 raw sugar TRQ by 100,000 STRV in early September and extended the period that the TRQ raw sugar can enter through October 31. Of this amount, it is estimated that 11,814 STRV will enter in September of 2019/20 and 66,139 STRV will enter in October of 2020/21. The 2019/20 raw sugar TRQ shortfall is increased by 22,046 STRV to 83,046. FTA sugar for 2019/20 is increased by 6,931 STRV but reduced by the same amount for 2020/21 because sugar allocated to Canada for the 2020 calendar year entered the United States earlier in 2019/20 than forecast last month. On the basis of pace, high-tier tariff imports for 2019/20 are increased by 30,000 STRV but imports from Mexico are reduced by 12,766 STRV. For 2020/21, imports from Mexico are projected at 888,150 STRV, a decrease of 190,625 from last month and high-tier tariff imports are unchanged at 50,000 STRV.

Deliveries for human consumption for 2019/20 are increased by 100,000 STRV to 12,150 million as the pattern of deliveries to end users has stabilized. Deliveries for 2020/21 correspondingly are increased by 25,000 STRV to 12,150 million. Ending stocks for 2019/20 are estimated at 1.745 million for an ending stocks-to-use ratio of 14.2 percent. Ending stocks for 2020/21 are projected at 1.659 STRV for an ending stocks-to-use ratio of 13.5 percent.

Mexico sugar supply and use for 2019/20 has small changes for imports of sugar for consumption, a small decrease for exports, and increased deliveries for the IMMEX program. These changes are made on the basis of the pace to date. The net result is to increase ending stocks by 4,926 metric tons (MT). High Fructose Corn Syrup (HFCS) deliveries for 2019/20 are reduced by 60,000 MT, dry weight, to 1.410 million on pace. For 2019/20, raw sugar exports to the United States are estimated at 758,113 MT and refinada exports are estimated at 424,765 MT. For 2020/21 total exports are increased to match the increase in beginning stocks. Exports to the United States are reduced to 760,110 MT on calculated U.S. Needs as set out in the AD/CVD Suspension Agreements. Exports to third-country

destinations are residually increased to 742,053 MT. Projected deliveries of HFCS are unchanged at 1.470 million MT, dry weight.

**LIVESTOCK, POULTRY, AND DAIRY:** The forecast for 2020 total red meat and poultry production is lowered from last month as lower pork and broiler production more than offsets higher beef and turkey production. Beef production is raised from the previous month on higher second-half cattle slaughter. The pork production forecast is reduced on the current pace of slaughter and lighter carcass weights. Broiler production is reduced on recent hatchery data while turkey production is raised slightly. The 2020 egg production forecast is raised on increased lay rates. For 2021, the total red meat and poultry forecast is reduced from the previous month on lower expected beef, pork, and broiler production. Beef production is reduced from last month on lower expected steer and heifer slaughter and lighter carcass weights. Pork production is reduced on lighter expected carcass weights. The broiler production forecast is reduced on slower expected growth as the industry adjusts to higher feed costs. The turkey production forecast is unchanged.

The 2020 beef import forecast is raised on continued firm import demand for processing grade beef, while the beef export forecast is unchanged. No change is made to the 2021 beef trade forecasts. The 2020 and 2021 pork export forecasts are unchanged as continued demand strength from China offsets weaker demand in other key markets. The 2020 and 2021 broiler, turkey, and egg export forecasts are unchanged from last month.

The cattle price forecast for 2020 is unchanged from last month while the 2021 cattle price forecast is raised on lower production. Hog price forecasts are raised for 2020 on recent price strength but are unchanged for 2021. The 2020 broiler, turkey, and egg price forecasts are raised on recent price strength. For 2021, broiler price forecasts are raised on lower forecast production while no changes are made to the turkey and egg price forecasts.

The milk production forecast for 2020 is raised from last month on higher expected growth in milk per cow. For 2020, the fat basis import forecast is lowered, primarily on recent trade data and the expectation of slower butterfat imports. The fat basis export forecast is raised on stronger global import demand for cheese, butter, and whey products. The skim-solids basis import forecast is unchanged from the previous month, while the export forecast is raised on expectations of robust exports of nonfat dry milk (NDM) and whey products. Cheese, butter, and whey price forecasts are reduced from last month, but the forecast for NDM is unchanged. The Class III price forecast is reduced on lower cheese and whey price forecasts, while the Class IV price forecast is reduced on the lower butter price forecast. The all milk price forecast is lowered to \$17.75 per cwt.

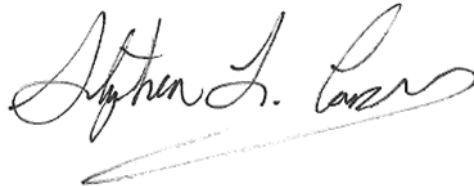
For 2021, the milk production forecast is raised on stronger anticipated growth in milk per cow. The fat basis import forecast is reduced from the previous month primarily on lower expected imports of cheese and other dairy products, while the fat basis export forecast is raised on anticipated firm global demand for U.S. butter. The skim-solids basis import forecast is raised slightly, but the export forecast is raised on continued strong international demand for skim milk powder and whey products. Price forecasts for cheese, butter, and whey are lowered while the nonfat dry milk forecast is unchanged. The Class III price forecast is reduced on lower cheese and whey price forecasts. The Class IV price forecast is reduced on the lower butter price forecast. The all milk price forecast is lowered to \$17.00 per cwt for 2021.

**COTTON:** The 2020/21 U.S. cotton estimates include slightly higher beginning stocks relative to last month but lower production, mill use, exports, and ending stocks. Production is lowered 1.0 million bales to 17.1 million, with a lower projection for every region. Mill use is projected 200,000 bales lower this month, but compared with its revised 2019/20 level is still expected to rise 16 percent. Exports and ending stocks are 400,000 bales lower, reflecting reduced U.S. supply and stronger foreign competition. Ending stocks in 2020/21 are projected at 7.2 million bales, equivalent to 42 percent of use. The season-average price for upland cotton is forecast at 59 cents per pound, unchanged from the previous month.

The 2020/21 world cotton projections include lower beginning stocks, production, consumption, and ending stocks relative to last month. Beginning stocks are lowered in India, more than offsetting increases for China and Brazil. Production is higher in China, India, and Australia, but lower in the United States, Pakistan, and Turkey. Consumption is lower in the United States, Mexico, and Brazil. World trade is slightly higher, with increases for Australia, Brazil, and India offsetting lower U.S. exports. Imports are forecast higher for Pakistan and Turkey, but lower for Vietnam. World ending stocks of cotton in 2020/21 are projected at 103.8 million bales, 1.1 million lower than in August, and 4.4 million higher than in 2019/20.

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 "Stephen L. Censky". The signature is fluid and cursive, with a long horizontal stroke at the bottom.

STEPHEN CENSKY  
SECRETARY OF AGRICULTURE DESIGNATE

---

## INTERAGENCY COMMODITY ESTIMATES COMMITTEES

---



*Note: The World Agricultural Outlook Board reviews and approves the World Agricultural Supply and Demand Estimates (WASDE) report. The Board's analysts chair the Interagency Commodity Estimates Committees (ICECs) that prepare the monthly report.*

**Wheat:** William Chambers, ICEC Chair, WAOB, [william.chambers1@usda.gov](mailto:william.chambers1@usda.gov)  
Jennifer Bond, ERS; Graham Soley, FAS; Pete Riley, FPAC.

**Rice:** William Chambers, ICEC Chair, WAOB, [william.chambers1@usda.gov](mailto:william.chambers1@usda.gov)  
Nathan Childs, ERS; Rachel Trego, FAS; Vidalina Abadam, FPAC.

**Feed Grains:** Michael Jewison, ICEC Chair, WAOB, [michael.jewison2@usda.gov](mailto:michael.jewison2@usda.gov)  
Tom Capehart, ERS; Yoonhee Macke, FAS; Sharon Raszap, FPAC.

**Oilseeds:** Keith Menzie, ICEC Chair, WAOB, [keith.menzie@usda.gov](mailto:keith.menzie@usda.gov)  
Mark Ash, ERS; Bill George, FAS; Gustavo Ferreira, FPAC.

**Cotton:** Stephen MacDonald, ICEC Chair, WAOB, [stephen.macdonald3@usda.gov](mailto:stephen.macdonald3@usda.gov)  
Leslie Meyer, ERS; James Johnson, FAS; Kent Lanclos, FPAC.

**Sugar:** Stephen Haley, ICEC Chair, WAOB, [stephen.haley2@usda.gov](mailto:stephen.haley2@usda.gov)  
Andrew Sowell, ERS; Souleymane Diaby, FAS; Barbara Fecso, FPAC.

**Meat Animals:** Shayle Shagam, ICEC Chair, WAOB, [shayle.shagam@usda.gov](mailto:shayle.shagam@usda.gov)  
Sherry Wise, AMS; Mildred Haley, ERS; Lindsay Kuberka, FAS; Georgi Gabrielyan, FPAC.

**Poultry:** Shayle Shagam, ICEC Chair, WAOB, [shayle.shagam@usda.gov](mailto:shayle.shagam@usda.gov)  
Peyton Ferrier, AMS; Kim Ha, ERS; Claire Mezoughem, FAS; Georgi Gabrielyan, FPAC.

**Dairy:** Shayle Shagam, ICEC Chair, WAOB, [shayle.shagam@usda.gov](mailto:shayle.shagam@usda.gov)  
Carolyn Liebrand, AMS; Jerry Cessna, ERS; Paul Kiendl, FAS; Georgi Gabrielyan, FPAC.

**In 2020, the WASDE report will be released on Oct 9, Nov 10,  
and Dec 10.**

---

## TABLE OF CONTENTS

---

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

## WASDE - 604 - 8

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

<b>World</b>		<b>Output</b>	<b>Total Supply</b>	<b>Trade 2/</b>	<b>Total Use 3/</b>	<b>Ending Stocks</b>	
Total Grains 4/	2018/19	2625.20	3448.36	429.34	2639.73	808.63	
	2019/20 (Est.)	2666.46	3475.09	440.17	2656.00	819.09	
	2020/21 (Proj.)	Aug	2730.77	3554.40	453.27	2704.11	850.29
		Sep	2730.33	3549.42	458.02	2707.98	841.45
Wheat	2018/19	730.96	1019.26	173.61	735.28	283.99	
	2019/20 (Est.)	764.03	1048.01	191.38	748.23	299.78	
	2020/21 (Proj.)	Aug	766.03	1066.94	187.99	750.14	316.79
		Sep	770.49	1070.27	189.44	750.90	319.37
Coarse Grains 5/	2018/19	1397.56	1768.25	212.01	1420.49	347.76	
	2019/20 (Est.)	1406.51	1754.26	206.45	1416.63	337.64	
	2020/21 (Proj.)	Aug	1464.70	1805.74	221.02	1457.44	348.31
		Sep	1460.26	1797.90	224.09	1460.66	337.25
Rice, milled	2018/19	496.68	660.85	43.72	483.97	176.88	
	2019/20 (Est.)	495.93	672.82	42.34	491.14	181.68	
	2020/21 (Proj.)	Aug	500.05	681.72	44.26	496.53	185.19
		Sep	499.58	681.25	44.50	496.42	184.83
<b>United States</b>							
Total Grains 4/	2018/19	436.32	532.30	83.45	357.57	91.28	
	2019/20 (Est.)	417.42	515.93	79.47	346.72	89.75	
	2020/21 (Proj.)	Aug	459.52	555.98	92.88	363.34	99.76
		Sep	449.79	546.97	95.48	358.20	93.28
Wheat	2018/19	51.31	84.88	25.50	29.99	29.39	
	2019/20 (Est.)	52.26	84.50	26.28	29.82	28.41	
	2020/21 (Proj.)	Aug	50.01	81.96	26.54	30.24	25.19
		Sep	50.01	81.96	26.54	30.24	25.19
Coarse Grains 5/	2018/19	377.91	438.46	54.97	323.02	60.47	
	2019/20 (Est.)	359.30	422.96	50.20	312.33	60.43	
	2020/21 (Proj.)	Aug	402.59	464.98	63.27	328.55	73.16
		Sep	392.63	455.79	65.81	323.34	66.64
Rice, milled	2018/19	7.11	8.96	2.97	4.57	1.42	
	2019/20 (Est.)	5.86	8.47	2.99	4.57	0.91	
	2020/21 (Proj.)	Aug	6.93	9.04	3.08	4.56	1.41
		Sep	7.14	9.22	3.14	4.62	1.46

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 - 604 - 9

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

Foreign 3/		Output	Total Supply	Trade 2/	Total Use	Ending Stocks
Total Grains 4/	2018/19	2,188.88	2,916.06	345.90	2,282.16	717.35
	2019/20 (Est.)	2,249.04	2,959.16	360.71	2,309.28	729.34
	2020/21 (Proj.) Aug	2,271.25	2,998.42	360.39	2,340.77	750.53
	Sep	2,280.54	3,002.46	362.54	2,349.78	748.16
Wheat	2018/19	679.65	934.38	148.11	705.29	254.60
	2019/20 (Est.)	711.77	963.51	165.10	718.41	271.37
	2020/21 (Proj.) Aug	716.02	984.98	161.45	719.91	291.61
	Sep	720.48	988.31	162.90	720.67	294.18
Coarse Grains 5/	2018/19	1,019.66	1,329.79	157.04	1,097.47	287.29
	2019/20 (Est.)	1,047.20	1,331.31	156.25	1,104.30	277.21
	2020/21 (Proj.) Aug	1,062.11	1,340.77	157.75	1,128.89	275.14
	Sep	1,067.63	1,342.11	158.28	1,137.31	270.61
Rice, milled	2018/19	489.57	651.89	40.75	479.40	175.46
	2019/20 (Est.)	490.07	664.34	39.35	486.57	180.77
	2020/21 (Proj.) Aug	493.12	672.67	41.18	491.97	183.78
	Sep	492.43	672.03	41.35	491.80	183.38

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

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

		Output	Total Supply	Trade 2/	Total Use 3/	Ending Stocks
World	2018/19	118.65	199.59	41.40	120.19	80.27
	2019/20 (Est.)	121.98	202.25	40.74	102.13	99.44
	2020/21 (Proj.) Aug	117.53	218.09	41.59	113.05	104.91
	Sep	117.20	216.65	41.72	112.69	103.84
United States	2018/19	18.37	22.57	14.84	2.98	4.85
	2019/20 (Est.)	19.91	24.77	15.53	2.15	7.25
	2020/21 (Proj.) Aug	18.08	25.28	15.00	2.70	7.60
	Sep	17.06	24.32	14.60	2.50	7.20
Foreign 4/	2018/19	100.29	177.02	26.56	117.22	75.42
	2019/20 (Est.)	102.07	177.49	25.21	99.98	92.19
	2020/21 (Proj.) Aug	99.45	192.80	26.59	110.35	97.31
	Sep	100.14	192.33	27.12	110.19	96.64

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 - 604 - 10

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

World		Output	Total Supply	Trade	Total Use 2/	Ending Stocks	
Oilseeds	2018/19	600.87	717.56	170.39	488.79	132.27	
	2019/20 (Est.)	577.26	709.54	191.02	504.16	111.68	
	2020/21 (Proj.)	Aug	610.42	721.33	188.54	514.96	108.28
		Sep	609.15	720.83	189.56	515.06	106.98
Oilmeals	2018/19	332.65	349.68	93.73	328.89	14.98	
	2019/20 (Est.)	343.44	358.42	93.83	341.06	13.10	
	2020/21 (Proj.)	Aug	352.72	365.52	94.33	350.07	12.01
		Sep	352.80	365.90	94.30	350.19	12.14
Vegetable Oils	2018/19	203.51	226.66	85.72	200.06	22.14	
	2019/20 (Est.)	205.74	227.88	85.94	201.35	21.66	
	2020/21 (Proj.)	Aug	209.89	231.97	86.74	206.95	20.54
		Sep	209.73	231.39	86.61	207.14	20.07
<b>United States</b>							
Oilseeds	2018/19	130.72	145.66	48.82	61.03	26.54	
	2019/20 (Est.)	107.00	134.77	46.99	63.25	17.41	
	2020/21 (Proj.)	Aug	130.79	150.38	58.98	63.56	18.22
		Sep	127.72	146.31	59.10	63.55	14.24
Oilmeals	2018/19	46.52	51.02	12.50	38.10	0.42	
	2019/20 (Est.)	48.76	53.32	12.83	40.07	0.42	
	2020/21 (Proj.)	Aug	49.07	53.31	12.55	40.34	0.42
		Sep	49.04	53.30	12.55	40.33	0.42
Vegetable Oils	2018/19	12.20	18.14	1.09	15.88	1.16	
	2019/20 (Est.)	12.66	18.76	1.47	16.07	1.22	
	2020/21 (Proj.)	Aug	12.80	19.08	1.39	16.38	1.31
		Sep	12.80	18.99	1.40	16.37	1.23
<b>Foreign 3/</b>							
Oilseeds	2018/19	470.15	571.90	121.57	427.75	105.73	
	2019/20 (Est.)	470.27	574.77	144.03	440.92	94.27	
	2020/21 (Proj.)	Aug	479.64	570.95	129.56	451.41	90.06
		Sep	481.43	574.52	130.47	451.51	92.74
Oilmeals	2018/19	286.13	298.66	81.23	290.79	14.56	
	2019/20 (Est.)	294.68	305.10	81.01	300.99	12.68	
	2020/21 (Proj.)	Aug	303.65	312.20	81.79	309.72	11.58
		Sep	303.76	312.59	81.76	309.86	11.72
Vegetable Oils	2018/19	191.31	208.52	84.63	184.18	20.98	
	2019/20 (Est.)	193.09	209.12	84.47	185.28	20.44	
	2020/21 (Proj.)	Aug	197.09	212.88	85.35	190.57	19.23
		Sep	196.93	212.40	85.22	190.78	18.84

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 - 604 - 11

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

	2018/19	2019/20 Est.	2020/21 Proj.	2020/21 Proj.
			Aug	Sep
			<i>Million Acres</i>	
Area Planted	47.8	45.2	44.3	44.3
Area Harvested	39.6	37.2	36.7	36.7
			<i>Bushels</i>	
Yield per Harvested Acre	47.6	51.7	50.1	50.1
			<i>Million Bushels</i>	
Beginning Stocks	1,099	1,080	1,044	1,044
Production	1,885	1,920	1,838	1,838
Imports	135	105	130	130
Supply, Total	3,119	3,105	3,011	3,011
Food	955	962	960	960
Seed	59	61	61	61
Feed and Residual	88	73	90	90
Domestic, Total	1,102	1,096	1,111	1,111
Exports	937	965	975	975
Use, Total	2,039	2,061	2,086	2,086
Ending Stocks	1,080	1,044	925	925
Avg. Farm Price (\$/bu) 2/	5.16	4.58	4.50	4.50

## 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>	
2019/20 (Est.)	Beginning Stocks	516	263	158	88	55	1,080
	Production	833	522	239	272	54	1,920
	Supply, Total 3/	1,351	838	401	366	150	3,105
	Domestic Use	454	289	204	84	65	1,096
	Exports	376	268	92	187	42	965
	Use, Total	830	558	296	271	107	2,061
	Ending Stocks, Total	521	280	105	95	43	1,044
2020/21 (Proj.)	Beginning Stocks	521	280	105	95	43	1,044
	Production	695	530	277	274	62	1,838
	Supply, Total 3/	1,221	870	392	374	155	3,011
	Domestic Use	426	307	199	90	89	1,111
	Exports	410	270	85	180	30	975
	Use, Total	836	577	284	270	119	2,086
	Ending Stocks, Total						
		Sep					
		Aug					
		385	293	108	104	36	925
		390	293	103	104	36	925

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 - 604 - 12

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

	2018/19	2019/20 Est.	2020/21 Proj.	2020/21 Proj.
FEED GRAINS			Aug	Sep
			<i>Million Acres</i>	
Area Planted	99.9	100.5	103.6	103.6
Area Harvested	89.2	89.0	92.1	91.5
			<i>Metric Tons</i>	
Yield per Harvested Acre	4.24	4.03	4.37	4.29
			<i>Million Metric Tons</i>	
Beginning Stocks	57.9	60.5	59.6	60.4
Production	377.7	359.0	402.3	392.3
Imports	2.3	2.9	2.4	2.4
Supply, Total	437.9	422.4	464.4	455.2
Feed and Residual	142.9	146.6	154.3	151.7
Food, Seed & Industrial	179.6	165.2	173.7	171.0
Domestic, Total	322.5	311.8	328.0	322.8
Exports	55.0	50.2	63.3	65.8
Use, Total	377.5	362.0	391.2	388.6
Ending Stocks	60.5	60.4	73.1	66.6
<b>CORN</b>				
			<i>Million Acres</i>	
Area Planted	88.9	89.7	92.0	92.0
Area Harvested	81.3	81.3	84.0	83.5
			<i>Bushels</i>	
Yield per Harvested Acre	176.4	167.4	181.8	178.5
			<i>Million Bushels</i>	
Beginning Stocks	2,140	2,221	2,228	2,253
Production	14,340	13,617	15,278	14,900
Imports	28	45	25	25
Supply, Total	16,509	15,883	17,531	17,178
Feed and Residual	5,429	5,600	5,925	5,825
Food, Seed & Industrial 2/	6,793	6,265	6,625	6,525
Ethanol & by-products 3/	5,378	4,855	5,200	5,100
Domestic, Total	12,222	11,865	12,550	12,350
Exports	2,066	1,765	2,225	2,325
Use, Total	14,288	13,630	14,775	14,675
Ending Stocks	2,221	2,253	2,756	2,503
Avg. Farm Price (\$/bu) 4/	3.61	3.60	3.10	3.50

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 - 604 - 13

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

	2018/19	2019/20 Est.	2020/21 Proj.	2020/21 Proj.
			Aug	Sep
<b>SORGHUM</b>				
	<i>Million Bushels</i>			
Area Planted (mil. acres)	5.7	5.3	5.6	5.6
Area Harvested (mil. acres)	5.1	4.7	4.8	4.8
Yield (bushels/acre)	72.1	73.0	76.6	73.9
Beginning Stocks	35	64	30	35
Production	365	341	371	358
Imports	0	0	0	0
Supply, Total	400	405	401	393
Feed and Residual	138	90	70	70
Food, Seed & Industrial	106	75	45	40
Total Domestic	244	165	115	110
Exports	93	205	260	260
Use, Total	336	370	375	370
Ending Stocks	64	35	26	23
Avg. Farm Price (\$/bu) 2/	3.26	3.30	3.10	3.50
<b>BARLEY</b>				
Area Planted (mil. acres)	2.5	2.7	2.8	2.8
Area Harvested (mil. acres)	2.0	2.2	2.2	2.2
Yield (bushels/acre)	77.5	77.7	78.8	78.8
Beginning Stocks	94	87	80	80
Production	154	170	176	176
Imports	6	7	7	7
Supply, Total	254	263	263	263
Feed and Residual	15	41	30	30
Food, Seed & Industrial	148	136	143	143
Total Domestic	162	177	173	173
Exports	5	6	5	5
Use, Total	167	183	178	178
Ending Stocks	87	80	85	85
Avg. Farm Price (\$/bu) 2/	4.62	4.69	4.45	4.45
<b>OATS</b>				
Area Planted (mil. acres)	2.7	2.8	3.1	3.1
Area Harvested (mil. acres)	0.9	0.8	1.0	1.0
Yield (bushels/acre)	64.9	64.3	65.0	65.0
Beginning Stocks	41	38	37	37
Production	56	53	65	65
Imports	86	92	96	96
Supply, Total	184	183	198	198
Feed and Residual	66	63	75	75
Food, Seed & Industrial	78	81	79	79
Total Domestic	144	144	154	154
Exports	2	2	2	2
Use, Total	146	146	156	156
Ending Stocks	38	37	42	42
Avg. Farm Price (\$/bu) 2/	2.66	2.82	2.70	2.70

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 - 604 - 14

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

TOTAL RICE	2018/19	2019/20 Est.	2020/21 Proj.	2020/21 Proj.	
			Aug	Sep	
		<i>Million Acres</i>			
Area Planted	2.95	2.54	2.92	3.04	
Area Harvested	2.91	2.47	2.87	2.99	
		<i>Pounds</i>			
Yield per Harvested Acre	7,692	7,471	7,600	7,529	
		<i>Million Hundredweight</i>			
Beginning Stocks 2/	29.4	44.9	30.7	28.7	
Production	223.8	184.7	218.1	225.0	
Imports	29.0	37.3	36.0	36.8	
Supply, Total	282.2	266.8	284.8	290.4	
Domestic & Residual 3/	143.8	144.0	143.5	145.5	
Exports, Total 4/	93.6	94.2	97.0	99.0	
Rough	33.3	31.2	34.5	36.0	
Milled (rough equiv.)	60.3	62.9	62.5	63.0	
Use, Total	237.3	238.2	240.5	244.5	
Ending Stocks	44.9	28.7	44.3	45.9	
Avg. Milling Yield (%) 5/	70.00	70.00	70.00	70.00	
Avg. Farm Price (\$/cwt) 6/	12.60	13.20	12.70	12.60	

**LONG-GRAIN RICE**

Harvested Acres (mil.)	2.18	1.73		
Yield (pounds/acre)	7,517	7,261		
Beginning Stocks	20.3	32.6	14.2	16.9
Production	163.6	125.6	159.1	168.9
Supply, Total 7/	207.3	188.0	202.3	214.8
Domestic & Residual 3/	108.5	106.4	109.0	111.0
Exports 8/	66.2	64.6	69.0	71.0
Use, Total	174.7	171.1	178.0	182.0
Ending Stocks	32.6	16.9	24.3	32.8
Avg. Farm Price (\$/cwt) 6/	10.80	12.00	11.60	11.30

**MEDIUM & SHORT-GRAIN RICE**

Harvested Acres (mil.)	0.73	0.74		
Yield (pounds/acre)	8,209	7,960		
Beginning Stocks	7.6	10.2	14.4	10.7
Production	60.3	59.1	59.0	56.0
Supply, Total 7/	72.8	77.8	80.5	74.5
Domestic & Residual 3/	35.3	37.6	34.5	34.5
Exports 8/	27.3	29.6	28.0	28.0
Use, Total	62.6	67.1	62.5	62.5
Ending Stocks	10.2	10.7	18.0	12.0
Avg. Farm Price (\$/cwt) 1/ 6/ 9/	18.50	16.50	16.10	16.40
California 10/	21.10	18.70	18.30	18.80
Other States 1/	12.30	11.60	11.50	11.40

Note: Totals may not add due to rounding. 1/ Marketing year beginning August 1. 2/ Includes the following quantities of broken kernel rice (type undetermined) not included in estimates of ending stocks by type (in mil. cwt): 2015/16-2.9; 2016/17-3.5; 2017/18-1.4. 3/ Residual includes unreported use, processing losses, and estimating errors. Use by type may not add to total rice use because of the difference in brokens between beginning and ending stocks. 4/ Includes rough rice and milled rice exports. Milled rice exports are converted to an equivalent rough basis. 5/ Expressed as a percent, i.e., the total quantity of whole kernel and broken rice produced divided by the quantity of rough rice milled. 6/ Marketing-year weighted average price received by farmers. 7/ Includes imports. 8/ Exports by type of rice are estimated. 9/ The medium/short-grain season-average farm price (SAFP) largely reflects rice that is marketed through price pools in California. The pool price is not final until all the rice in the pool is marketed for the crop year. Therefore, SAFS forecasts based on the average of NASS monthly prices and the final price may differ. For example, the average difference between the preliminary California SAFS forecast and the final price has averaged \$1.00 per cwt from 2014/15-2018/19, with a high of \$3.50 per cwt in 2017/18 and a low of -\$0.20 per cwt in 2015/16. 10/ Marketing year beginning October 1.

## WASDE - 604 - 15

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

SOYBEANS	2018/19	2019/20 Est.	2020/21 Proj.	2020/21 Proj.
			Aug	Sep
			<i>Million Acres</i>	
Area Planted	89.2	76.1	83.8	83.8
Area Harvested	87.6	75.0	83.0	83.0
			<i>Bushels</i>	
Yield per Harvested Acre	50.6	47.4	53.3	51.9
			<i>Million Bushels</i>	
Beginning Stocks	438	909	615	575
Production	4,428	3,552	4,425	4,313
Imports	14	16	15	15
Supply, Total	4,880	4,477	5,055	4,903
Crushings	2,092	2,170	2,180	2,180
Exports	1,752	1,680	2,125	2,125
Seed	88	97	100	100
Residual	39	-45	40	38
Use, Total	3,971	3,903	4,445	4,442
Ending Stocks	909	575	610	460
Avg. Farm Price (\$/bu) 2/	8.48	8.55	8.35	9.25
<b>SOYBEAN OIL</b>				
			<i>Million Pounds</i>	
Beginning Stocks	1,995	1,775	2,060	1,845
Production 4/	24,197	24,945	25,265	25,265
Imports	397	325	350	350
Supply, Total	26,590	27,045	27,675	27,460
Domestic Disappearance	22,874	22,450	23,000	23,000
Biodiesel 3/	7,863	7,750	8,000	8,000
Food, Feed & other Industrial	15,011	14,700	15,000	15,000
Exports	1,940	2,750	2,600	2,600
Use, Total	24,815	25,200	25,600	25,600
Ending stocks	1,775	1,845	2,075	1,860
Avg. Price (c/lb) 2/	28.26	29.50	30.00	32.00
<b>SOYBEAN MEAL</b>				
			<i>Thousand Short Tons</i>	
Beginning Stocks	555	402	375	400
Production 4/	48,814	51,098	51,425	51,400
Imports	683	600	400	400
Supply, Total	50,052	52,100	52,200	52,200
Domestic Disappearance	36,212	37,900	38,300	38,300
Exports	13,438	13,800	13,500	13,500
Use, Total	49,650	51,700	51,800	51,800
Ending Stocks	402	400	400	400
Avg. Price (\$/s.t.) 2/	308.28	300.00	290.00	315.00

Note: Totals may not add due to rounding. Reliability calculations at end of report. 1/ Marketing year beginning September 1 for soybeans; October 1 for soybean oil and soybean meal. 2/ Prices: soybeans, marketing year weighted average price received by farmers; oil, simple average of crude soybean oil, Decatur; meal, simple average of 48 percent protein, Decatur. 3/ Reflects only biodiesel made from methyl ester as reported by the U.S. Energy Information Administration. 4/ Based on an October year crush of 2,175 million bushels for 2019/20 and 2,180 million bushels for 2020/21.

## WASDE - 604 - 16

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

	2018/19	2019/20 Est.	2020/21 Proj.	2020/21 Proj.
			Aug	Sep
	<i>1,000 Short Tons, Raw Value</i>			
Beginning Stocks	2,008	1,783	1,744	1,745
Production 2/	8,999	7,989	9,265	9,292
Beet Sugar	4,939	4,244	5,199	5,165
Cane Sugar	4,060	3,745	4,066	4,127
Florida	2,005	2,106	2,135	2,135
Hawaii	0	0	0	0
Louisiana	1,907	1,513	1,850	1,850
Texas	147	126	81	142
Imports	3,070	4,263	3,044	2,913
TRQ 3/	1,541	2,256	1,565	1,624
Other Program 4/	438	415	350	350
Other 5/	1,092	1,592	1,129	938
Mexico	1,000	1,382	1,079	888
Total Supply	14,077	14,035	14,053	13,949
Exports	35	35	35	35
Deliveries	12,231	12,255	12,230	12,255
Food	12,106	12,150	12,125	12,150
Other 6/	126	105	105	105
Miscellaneous	28	0	0	0
Total Use	12,294	12,290	12,265	12,290
Ending Stocks	1,783	1,745	1,788	1,659
Stocks to Use Ratio	14.5	14.2	14.6	13.5

1/ Fiscal years beginning Oct 1. Data and projections correspond to category components from "Sweetener Market Data" (SMD). 2/ Production projections for 2019/20 and 2020/21 are based on Crop Production and/or processor projections/industry data and/or sugar ICEC analysis where appropriate. 3/ For 2019/20, WTO raw sugar TRQ shortfall (83) and for 2020/21 (99). 4/ Composed of sugar under the re-export and polyhydric alcohol programs. 5/ Imports from Mexico; and high-tier tariff sugar and syrups not otherwise specified -- for 2019/20 (210) and 2020/21 (50). 6/ Transfers accompanying deliveries for sugar-containing products to be exported (SCP) and polyhydric alcohol manufacture (POLY), and deliveries for livestock feed and ethanol. Total refiner license transfers for SCP and POLY inclusive of WASDE-reported deliveries: 2018/19 -- 374; estimated 2019/20 -- 340; projected 2020/21 -- 353.

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

		Beginning Stocks	Production	Imports	Domestic 2/	Exports	Ending Stocks
		<i>1,000 Metric Tons, Actual Weight</i>					
2019/20 Est.	Aug	1,169	5,278	91	4,498	1,233	807
	Sep	1,169	5,278	105	4,518	1,222	812
2020/21 Proj.	Aug	807	6,000	89	4,468	1,497	931
	Sep	812	6,000	89	4,468	1,502	931

1/ HFCS consumption by Mexico (1,000 metric tons, dry basis): 2018/19 = 1,528; Estimated 2019/20 = 1,410; Projected 2020/21 = 1,470; Estimated Oct-July 2019/20 = 1,158, Oct-July 2018/19 = 1,279. Footnote source for estimate: Comite Nacional para el Desarrollo Sustentable de la Cana de Azucar. 2/ Includes deliveries for consumption, Mexico's products export program (IMMEX), and Other Deliveries/Ending Year Statistical Adjustments. IMMEX: 2019/20 (365 est = 300 dom.+65 import); 2020/21 (395 proj = 330 dom.+65 import). Statistical Adjustments: 2019/20 (0), 2020/21 (0).



## WASDE - 604 - 17

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

	2018/19	2019/20 Est.	2020/21 Proj.	2020/21 Proj.
			Aug	Sep
Area				
			<i>Million Acres</i>	
Planted	14.10	13.74	12.19	12.12
Harvested	9.99	11.61	9.25	9.01
			<i>Pounds</i>	
Yield per Harvested Acre	882	823	938	910
			<i>Million 480 Pound Bales</i>	
Beginning Stocks	4.20	4.85	7.20	7.25
Production	18.37	19.91	18.08	17.06
Imports	0.00	0.00	0.00	0.00
Supply, Total	22.57	24.77	25.28	24.32
Domestic Use	2.98	2.15	2.70	2.50
Exports, Total	14.84	15.53	15.00	14.60
Use, Total	17.81	17.68	17.70	17.10
Unaccounted 2/	-0.09	-0.16	-0.02	0.02
Ending Stocks	4.85	7.25	7.60	7.20
Avg. Farm Price 3/	70.3	59.5	59.0	59.0

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 - 604 - 18

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

2018/19	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total <sup>2/</sup>	Exports	Ending Stocks
World <sup>3/</sup>	288.30	730.96	170.74	139.67	735.28	173.61	283.99
World Less China	157.11	599.53	167.60	119.67	610.28	172.61	144.22
United States	29.91	51.31	3.66	2.41	29.99	25.50	29.39
Total Foreign	258.40	679.65	167.08	137.26	705.29	148.11	254.60
Major Exporters <sup>4/</sup>	43.93	302.73	7.31	81.91	194.74	120.77	38.46
Argentina	0.47	19.50	0.01	0.05	6.05	12.19	1.74
Australia	5.55	17.60	0.50	5.70	9.20	9.01	5.44
Canada	6.73	32.20	0.48	4.16	9.14	24.38	5.89
European Union <sup>5/</sup>	17.94	136.69	5.76	51.50	121.05	23.31	16.02
Russia	12.01	71.69	0.45	18.00	40.50	35.86	7.78
Ukraine	1.24	25.06	0.11	2.50	8.80	16.02	1.59
Major Importers <sup>6/</sup>	177.58	199.78	111.34	38.34	294.26	12.38	182.05
Bangladesh	2.23	1.10	5.10	0.28	7.18	0.00	1.26
Brazil	1.31	5.43	7.02	0.50	12.10	0.60	1.06
China	131.20	131.43	3.15	20.00	125.00	1.01	139.77
Japan	1.23	0.86	5.73	0.68	6.48	0.29	1.05
N. Africa <sup>7/</sup>	14.87	21.00	26.96	2.25	46.10	1.19	15.53
Nigeria	0.20	0.06	4.66	0.05	4.32	0.40	0.20
Sel. Mideast <sup>8/</sup>	15.14	17.88	17.23	3.45	37.70	0.63	11.91
Southeast Asia <sup>9/</sup>	5.51	0.00	26.37	8.14	25.34	1.10	5.44
Selected Other							
India	13.23	99.87	0.02	5.00	95.63	0.50	16.99
Kazakhstan	2.54	13.95	0.09	1.80	6.60	8.30	1.68
<b>2019/20 Est.</b>							
World <sup>3/</sup>	283.99	764.03	183.75	138.31	748.23	191.38	299.78
World Less China	144.22	630.44	178.37	119.31	622.23	190.33	148.10
United States	29.39	52.26	2.86	1.99	29.82	26.28	28.41
Total Foreign	254.60	711.77	180.89	136.32	718.41	165.10	271.37
Major Exporters <sup>4/</sup>	38.46	325.01	6.66	81.11	195.16	141.31	33.66
Argentina	1.74	19.75	0.01	0.05	6.30	13.50	1.69
Australia	5.44	15.20	0.75	4.90	8.40	9.50	3.49
Canada	5.89	32.35	0.68	4.16	9.26	24.63	5.03
European Union <sup>5/</sup>	16.02	154.94	4.80	52.50	122.50	38.43	14.83
Russia	7.78	73.61	0.33	17.00	40.00	34.24	7.48
Ukraine	1.59	29.17	0.10	2.50	8.70	21.01	1.15
Major Importers <sup>6/</sup>	182.05	202.47	121.07	36.54	297.08	12.71	195.80
Bangladesh	1.26	1.20	6.75	0.30	7.40	0.00	1.81
Brazil	1.06	5.20	7.20	0.50	12.10	0.42	0.94
China	139.77	133.59	5.38	19.00	126.00	1.05	151.68
Japan	1.05	1.10	5.68	0.60	6.30	0.29	1.24
N. Africa <sup>7/</sup>	15.53	18.40	27.58	1.85	46.25	1.03	14.23
Nigeria	0.20	0.06	5.25	0.05	4.91	0.40	0.20
Sel. Mideast <sup>8/</sup>	11.91	22.18	17.66	3.60	38.44	0.78	12.54
Southeast Asia <sup>9/</sup>	5.44	0.00	25.83	7.44	24.89	1.14	5.25
Selected Other							
India	16.99	103.60	0.02	6.00	96.11	0.51	23.99
Kazakhstan	1.68	11.45	0.55	1.50	6.30	6.70	0.69

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 - 604 - 19

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

<b>2020/21 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total <sup>2/</sup>	Exports	Ending Stocks
World <sup>3/</sup>	Aug	300.91	766.03	183.73	133.84	750.14	187.99	316.79
	Sep	299.78	770.49	185.29	134.62	750.90	189.44	319.37
World Less China	Aug	149.23	630.03	177.73	113.84	620.14	186.99	154.11
	Sep	148.10	634.49	178.29	114.62	620.90	188.44	155.69
United States	Aug	28.41	50.01	3.54	2.45	30.24	26.54	25.19
	Sep	28.41	50.01	3.54	2.45	30.24	26.54	25.19
Total Foreign	Aug	272.50	716.02	180.19	131.40	719.91	161.45	291.61
	Sep	271.37	720.48	181.75	132.18	720.67	162.90	294.18
Major Exporters <sup>4/</sup>	Aug	34.44	321.00	6.73	75.55	189.30	137.00	35.87
	Sep	33.66	325.15	6.73	76.35	189.95	138.50	37.09
Argentina	Aug	1.69	20.50	0.01	0.05	6.20	14.00	1.99
	Sep	1.69	19.50	0.01	0.05	6.05	13.50	1.64
Australia	Aug	3.49	26.00	0.20	3.50	7.00	17.50	5.19
	Sep	3.49	28.50	0.20	4.00	7.50	19.00	5.69
Canada	Aug	5.26	34.00	0.45	4.50	9.70	24.50	5.51
	Sep	5.03	36.00	0.45	4.80	10.00	25.00	6.48
European Union <sup>5/</sup>	Aug	15.36	135.50	5.50	47.50	117.30	25.50	13.56
	Sep	14.83	136.15	5.50	47.50	117.30	25.50	13.68
Russia	Aug	7.48	78.00	0.50	17.50	40.50	37.50	7.98
	Sep	7.48	78.00	0.50	17.50	40.50	37.50	7.98
Ukraine	Aug	1.16	27.00	0.08	2.50	8.60	18.00	1.63
	Sep	1.15	27.00	0.08	2.50	8.60	18.00	1.62
Major Importers <sup>6/</sup>	Aug	196.18	205.68	119.90	36.76	302.91	12.76	206.09
	Sep	195.80	205.32	121.20	36.76	302.95	12.71	206.65
Bangladesh	Aug	1.76	1.25	6.60	0.30	7.50	0.00	2.11
	Sep	1.81	1.25	6.60	0.30	7.50	0.00	2.16
Brazil	Aug	0.94	6.80	6.60	0.50	12.20	0.70	1.44
	Sep	0.94	6.60	6.70	0.50	12.20	0.70	1.34
China	Aug	151.68	136.00	6.00	20.00	130.00	1.00	162.68
	Sep	151.68	136.00	7.00	20.00	130.00	1.00	163.68
Japan	Aug	1.24	0.87	5.60	0.60	6.25	0.28	1.18
	Sep	1.24	0.87	5.60	0.60	6.25	0.28	1.18
N. Africa <sup>7/</sup>	Aug	14.32	16.78	29.60	1.75	46.90	1.04	12.76
	Sep	14.23	16.78	29.60	1.75	46.95	0.99	12.67
Nigeria	Aug	0.20	0.06	5.10	0.05	4.76	0.40	0.20
	Sep	0.20	0.06	5.10	0.05	4.76	0.40	0.20
Sel. Mideast <sup>8/</sup>	Aug	12.58	22.35	18.05	3.62	39.41	0.67	12.89
	Sep	12.54	22.18	18.25	3.62	39.40	0.67	12.90
Southeast Asia <sup>9/</sup>	Aug	5.52	0.00	26.35	6.94	24.74	1.07	6.06
	Sep	5.25	0.00	26.35	6.94	24.74	1.07	5.79
Selected Other								
India	Aug	24.00	107.18	0.03	6.50	99.50	1.00	30.71
	Sep	23.99	107.59	0.03	6.50	99.50	1.00	31.11
Kazakhstan	Aug	0.84	12.50	0.20	1.40	6.20	6.30	1.04
	Sep	0.69	12.50	0.20	1.40	6.20	6.30	0.89

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 - 604 - 20

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

<b>2018/19</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total <sup>2/</sup>	Exports	Ending Stocks
World <sup>3/</sup>	370.69	1,397.56	192.87	852.02	1,420.49	212.01	347.76
World Less China	147.71	1,133.05	182.33	656.57	1,133.12	211.94	137.17
United States	57.92	377.91	2.63	143.10	323.02	54.97	60.47
Total Foreign	312.77	1,019.66	190.24	708.92	1,097.47	157.04	287.29
Major Exporters <sup>4/</sup>	27.12	293.19	5.65	127.49	171.89	134.02	20.04
Argentina	3.37	59.22	0.01	12.28	18.09	40.89	3.61
Australia	2.29	11.51	0.01	5.29	7.30	4.08	2.43
Brazil	9.71	104.33	2.32	59.95	70.98	39.72	5.65
Canada	4.57	26.20	2.62	16.19	24.12	5.97	3.30
Russia	1.37	35.00	0.05	18.80	27.37	7.84	1.22
Ukraine	2.91	44.50	0.06	7.93	10.96	34.07	2.45
Major Importers <sup>5/</sup>	39.96	243.73	143.23	295.66	379.86	10.32	36.74
European Union <sup>6/</sup>	16.33	148.27	26.44	127.00	168.69	8.82	13.53
Japan	1.82	0.18	17.73	13.78	17.89	0.00	1.84
Mexico	6.18	33.40	17.36	31.27	50.51	0.72	5.71
N. Afr & Mideast <sup>7/</sup>	7.76	31.08	38.82	61.98	70.10	0.10	7.46
Saudi Arabia	2.63	0.29	10.17	10.75	11.13	0.00	1.97
Southeast Asia <sup>8/</sup>	2.56	30.22	17.14	37.99	45.82	0.68	3.41
South Korea	1.86	0.21	10.96	8.60	11.18	0.00	1.85
Selected Other							
China	222.98	264.51	10.54	195.45	287.37	0.07	210.59
<b>2019/20 Est.</b>							
World <sup>3/</sup>	347.76	1,406.51	202.50	872.49	1,416.63	206.45	337.64
World Less China	137.17	1,138.31	186.10	672.89	1,122.88	206.39	136.26
United States	60.47	359.30	3.19	146.78	312.33	50.20	60.43
Total Foreign	287.29	1,047.20	199.31	725.71	1,104.30	156.25	277.21
Major Exporters <sup>4/</sup>	20.04	305.17	4.36	133.94	178.29	129.32	21.96
Argentina	3.61	56.75	0.01	11.85	17.44	40.01	2.92
Australia	2.43	10.44	0.01	5.00	6.97	3.52	2.38
Brazil	5.65	105.57	1.90	62.01	73.14	34.01	5.97
Canada	3.30	28.62	2.08	18.01	25.05	5.24	3.71
Russia	1.22	40.50	0.17	22.19	31.29	8.38	2.22
Ukraine	2.45	46.55	0.03	7.99	11.11	35.65	2.26
Major Importers <sup>5/</sup>	36.74	255.13	144.12	299.69	386.04	15.08	34.87
European Union <sup>6/</sup>	13.53	161.24	20.18	124.85	168.16	13.37	13.42
Japan	1.84	0.22	17.67	13.78	17.90	0.00	1.83
Mexico	5.71	30.41	18.01	31.27	50.70	1.00	2.43
N. Afr & Mideast <sup>7/</sup>	7.46	33.33	42.29	66.36	74.66	0.14	8.28
Saudi Arabia	1.97	0.27	11.51	11.15	11.51	0.00	2.24
Southeast Asia <sup>8/</sup>	3.41	29.38	18.68	38.92	46.96	0.57	3.94
South Korea	1.85	0.20	11.50	9.04	11.63	0.00	1.92
Selected Other							
China	210.59	268.20	16.40	199.60	293.75	0.06	201.38

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

## WASDE - 604 - 21

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

2020/21 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total <sup>2/</sup>	Exports	Ending Stocks
World <sup>3/</sup>	Aug	341.05	1,464.70	214.36	896.81	1,457.44	221.02	348.31
	Sep	337.64	1,460.26	215.86	900.40	1,460.66	224.09	337.25
World Less China	Aug	136.67	1,197.32	195.91	697.31	1,161.76	220.95	153.86
	Sep	136.26	1,192.89	197.41	698.90	1,162.98	224.02	147.80
United States	Aug	59.67	402.59	2.72	154.52	328.55	63.27	73.16
	Sep	60.43	392.63	2.72	151.98	323.34	65.81	66.64
Total Foreign	Aug	281.38	1,062.11	211.64	742.29	1,128.89	157.75	275.14
	Sep	277.21	1,067.63	213.13	748.42	1,137.31	158.28	270.61
Major Exporters <sup>4/</sup>	Aug	22.90	313.52	4.15	133.93	179.18	134.66	26.73
	Sep	21.96	318.34	4.15	136.84	182.26	135.86	26.33
Argentina	Aug	2.92	56.42	0.01	13.16	18.80	37.01	3.54
	Sep	2.92	56.37	0.01	13.11	18.75	37.01	3.54
Australia	Aug	2.38	13.66	0.00	5.88	7.87	5.15	3.02
	Sep	2.38	14.26	0.00	6.08	8.15	5.35	3.14
Brazil	Aug	5.97	110.41	2.20	61.08	72.22	38.01	8.35
	Sep	5.97	113.41	2.20	63.08	74.22	39.01	8.35
Canada	Aug	4.72	29.60	1.76	17.41	25.39	5.40	5.29
	Sep	3.71	29.17	1.76	17.37	25.15	5.40	4.08
Russia	Aug	2.22	38.93	0.07	22.13	31.03	8.18	2.01
	Sep	2.22	41.63	0.07	22.83	32.03	9.18	2.71
Ukraine	Aug	2.18	49.90	0.02	7.60	10.88	38.61	2.61
	Sep	2.26	48.90	0.02	7.70	10.98	37.61	2.58
Major Importers <sup>5/</sup>	Aug	34.76	260.59	153.10	313.83	401.84	11.09	35.52
	Sep	34.87	260.03	154.30	314.82	402.84	10.32	36.03
European Union <sup>6/</sup>	Aug	13.76	162.36	25.29	132.70	177.15	9.74	14.51
	Sep	13.42	161.66	25.29	132.70	177.15	8.74	14.47
Japan	Aug	1.81	0.20	17.67	13.75	17.87	0.00	1.81
	Sep	1.83	0.20	17.67	13.75	17.87	0.00	1.83
Mexico	Aug	2.43	33.60	18.75	32.17	51.60	0.60	2.58
	Sep	2.43	33.60	18.75	31.87	51.30	0.90	2.58
N. Afr & Mideast <sup>7/</sup>	Aug	8.22	33.77	44.86	69.69	78.32	0.12	8.42
	Sep	8.28	33.77	45.26	70.09	78.72	0.12	8.47
Saudi Arabia	Aug	2.24	0.27	11.21	11.05	11.41	0.00	2.31
	Sep	2.24	0.27	11.71	11.55	11.91	0.00	2.31
Southeast Asia <sup>8/</sup>	Aug	3.67	30.11	19.03	40.66	48.82	0.63	3.35
	Sep	3.94	30.25	19.33	41.05	49.22	0.56	3.74
South Korea	Aug	1.92	0.20	11.91	9.45	12.09	0.00	1.95
	Sep	1.92	0.20	11.91	9.45	12.09	0.00	1.95
Selected Other								
China	Aug	204.38	267.38	18.45	199.50	295.68	0.07	194.45
	Sep	201.38	267.38	18.45	201.50	297.68	0.07	189.45

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

## WASDE - 604 - 22

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

<b>2018/19</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total <sup>2/</sup>	Exports	Ending Stocks
World <sup>3/</sup>	341.18	1,123.62	163.16	703.07	1,144.26	181.06	320.54
World Less China	118.66	866.29	158.67	512.07	870.26	181.04	110.22
United States	54.37	364.26	0.71	137.91	310.45	52.48	56.41
Total Foreign	286.82	759.36	162.45	565.16	833.81	128.57	264.13
Major Exporters <sup>4/</sup>	16.16	211.04	2.25	85.90	107.60	111.47	10.38
Argentina	2.41	51.00	0.01	9.70	13.80	37.24	2.37
Brazil	9.32	101.00	1.66	57.00	67.00	39.68	5.29
Russia	0.20	11.42	0.04	7.60	8.50	2.77	0.38
South Africa	2.67	11.82	0.51	7.00	12.50	1.45	1.06
Ukraine	1.57	35.81	0.04	4.60	5.80	30.32	1.29
Major Importers <sup>5/</sup>	23.91	129.09	99.41	170.43	225.07	5.03	22.32
Egypt	1.85	6.80	9.37	13.70	16.20	0.00	1.81
European Union <sup>6/</sup>	9.82	64.36	25.21	68.00	88.00	3.63	7.76
Japan	1.39	0.00	16.05	12.30	16.00	0.00	1.44
Mexico	5.65	27.60	16.66	25.90	44.10	0.72	5.09
Southeast Asia <sup>7/</sup>	2.55	30.17	16.76	37.70	45.40	0.68	3.40
South Korea	1.85	0.08	10.86	8.56	10.95	0.00	1.84
Selected Other							0.00
Canada	2.42	13.89	2.56	9.30	15.09	1.80	1.98
China	222.53	257.33	4.48	191.00	274.00	0.02	210.32
<b>2019/20 Est.</b>							
World <sup>3/</sup>	320.54	1,112.84	167.48	707.95	1,124.23	170.33	309.15
World Less China	110.22	852.07	160.48	515.95	847.23	170.31	108.08
United States	56.41	345.89	1.14	142.25	301.39	44.83	57.23
Total Foreign	264.13	766.94	166.33	565.71	822.84	125.50	251.92
Major Exporters <sup>4/</sup>	10.38	218.41	1.27	88.50	110.45	108.20	11.42
Argentina	2.37	50.00	0.01	9.50	13.50	37.00	1.87
Brazil	5.29	102.00	1.20	59.00	69.00	34.00	5.49
Russia	0.38	14.28	0.05	8.70	9.70	4.20	0.80
South Africa	1.06	16.25	0.00	6.80	12.60	2.50	2.21
Ukraine	1.29	35.89	0.02	4.50	5.65	30.50	1.05
Major Importers <sup>5/</sup>	22.32	127.55	96.52	165.10	221.10	6.37	18.91
Egypt	1.81	6.40	10.60	14.60	17.10	0.01	1.70
European Union <sup>6/</sup>	7.76	66.67	19.50	60.70	81.90	4.80	7.23
Japan	1.44	0.00	16.00	12.30	16.00	0.00	1.44
Mexico	5.09	25.00	17.00	26.00	44.20	1.00	1.89
Southeast Asia <sup>7/</sup>	3.40	29.33	17.82	38.20	46.05	0.56	3.93
South Korea	1.84	0.07	11.40	9.00	11.40	0.00	1.91
Selected Other							0.00
Canada	1.98	13.40	2.00	9.20	14.20	0.90	2.28
China	210.32	260.77	7.00	192.00	277.00	0.02	201.07

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

## WASDE - 604 - 23

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

<b>2020/21 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total <sup>2/</sup>	Exports	Ending Stocks
World <sup>3/</sup>	Aug	311.30	1,171.03	178.94	731.97	1,164.87	184.66	317.46
	Sep	309.15	1,162.38	179.34	733.11	1,164.74	186.03	306.79
World Less China	Aug	107.23	911.03	171.94	541.97	887.87	184.64	123.41
	Sep	108.08	902.38	172.34	541.11	885.74	186.01	117.75
United States	Aug	56.59	388.08	0.64	150.50	318.79	56.52	70.01
	Sep	57.23	378.47	0.64	147.96	313.70	59.06	63.57
Total Foreign	Aug	254.70	782.95	178.31	581.47	846.08	128.14	247.45
	Sep	251.92	783.91	178.71	585.15	851.03	126.97	243.23
Major Exporters <sup>4/</sup>	Aug	11.32	225.80	1.56	89.50	111.50	112.20	14.98
	Sep	11.42	227.50	1.56	91.80	113.80	111.70	14.98
Argentina	Aug	1.87	50.00	0.01	11.00	15.00	34.00	2.88
	Sep	1.87	50.00	0.01	11.00	15.00	34.00	2.88
Brazil	Aug	5.49	107.00	1.50	58.00	68.00	38.00	7.99
	Sep	5.49	110.00	1.50	60.00	70.00	39.00	7.99
Russia	Aug	0.80	15.30	0.04	9.70	10.80	4.40	0.94
	Sep	0.80	15.00	0.04	9.90	11.00	3.90	0.94
South Africa	Aug	2.21	14.00	0.00	6.60	12.30	2.30	1.61
	Sep	2.21	14.00	0.00	6.60	12.30	2.30	1.61
Ukraine	Aug	0.95	39.50	0.02	4.20	5.40	33.50	1.56
	Sep	1.05	38.50	0.02	4.30	5.50	32.50	1.56
Major Importers <sup>5/</sup>	Aug	18.44	132.42	104.55	175.05	232.10	4.94	18.36
	Sep	18.91	131.06	104.65	174.45	231.50	4.17	18.94
Egypt	Aug	1.60	6.40	11.00	14.80	17.30	0.01	1.69
	Sep	1.70	6.40	11.00	14.80	17.30	0.01	1.79
European Union <sup>6/</sup>	Aug	7.23	67.80	25.00	67.00	89.00	3.70	7.33
	Sep	7.23	66.30	25.00	66.50	88.50	2.70	7.33
Japan	Aug	1.44	0.00	16.00	12.30	16.00	0.00	1.45
	Sep	1.44	0.00	16.00	12.30	16.00	0.00	1.45
Mexico	Aug	1.89	28.00	18.30	27.30	45.55	0.60	2.04
	Sep	1.89	28.00	18.30	27.00	45.25	0.90	2.04
Southeast Asia <sup>7/</sup>	Aug	3.66	30.06	18.15	39.90	47.90	0.63	3.34
	Sep	3.93	30.20	18.25	40.10	48.10	0.56	3.72
South Korea	Aug	1.91	0.08	11.80	9.40	11.85	0.00	1.93
	Sep	1.91	0.08	11.80	9.40	11.85	0.00	1.93
Selected Other								
Canada	Aug	2.26	14.30	1.70	9.60	15.00	1.00	2.26
	Sep	2.28	14.00	1.70	9.60	14.80	1.00	2.18
China	Aug	204.07	260.00	7.00	190.00	277.00	0.02	194.05
	Sep	201.07	260.00	7.00	192.00	279.00	0.02	189.05

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

## WASDE - 604 - 24

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

<b>2018/19</b>	Beginning Stocks	Production	Imports	Total/2 Domestic	Exports	Ending Stocks
World 3/	164.17	496.68	43.76	483.97	43.72	176.88
World Less China	55.17	348.19	40.56	341.05	40.95	61.88
United States	0.93	7.11	0.92	4.57	2.97	1.42
Total Foreign	163.24	489.57	42.84	479.40	40.75	175.46
Major Exporters 4/	28.88	184.66	0.76	145.41	31.76	37.14
Burma	0.81	13.20	0.01	10.25	2.70	1.07
India	22.60	116.48	0.00	99.16	10.42	29.50
Pakistan	1.42	7.30	0.00	3.30	4.49	0.93
Thailand	3.01	20.34	0.25	11.50	7.56	4.54
Vietnam	1.03	27.34	0.50	21.20	6.58	1.10
Major Importers 5/	122.58	239.15	17.11	247.82	3.18	127.83
China	109.00	148.49	3.20	142.92	2.77	115.00
European Union 6/	1.18	1.97	2.15	3.80	0.30	1.19
Indonesia	5.56	34.20	0.60	36.30	0.00	4.06
Nigeria	1.58	4.54	1.90	6.80	0.00	1.22
Philippines	2.29	11.73	3.60	14.10	0.00	3.52
Sel. Mideast 7/	0.90	2.01	3.91	5.90	0.00	0.91
Selected Other						0.00
Brazil	0.59	7.14	0.75	7.35	0.88	0.25
C. Amer & Carib 8/	0.63	1.65	1.79	3.37	0.04	0.67
Egypt	1.56	2.80	0.81	4.20	0.02	0.95
Japan	2.22	7.66	0.63	8.40	0.07	2.05
Mexico	0.15	0.19	0.74	0.92	0.03	0.14
South Korea	1.56	3.87	0.29	4.57	0.05	1.09

**2019/20 Est.**

World 3/	176.88	495.93	40.09	491.14	42.34	181.68
World Less China	61.88	349.20	37.69	346.11	39.74	65.18
United States	1.42	5.86	1.19	4.57	2.99	0.91
Total Foreign	175.46	490.07	38.90	486.57	39.35	180.77
Major Exporters 4/	37.14	183.13	0.66	148.18	30.50	42.25
Burma	1.07	12.70	0.01	10.45	2.20	1.13
India	29.50	118.43	0.00	102.13	10.80	35.00
Pakistan	0.93	7.20	0.00	3.00	4.40	0.73
Thailand	4.54	17.66	0.25	11.50	6.50	4.44
Vietnam	1.10	27.15	0.40	21.10	6.60	0.95
Major Importers 5/	127.83	239.27	13.13	249.48	2.96	127.79
China	115.00	146.73	2.40	145.03	2.60	116.50
European Union 6/	1.19	1.98	2.30	4.00	0.30	1.17
Indonesia	4.06	34.00	0.55	35.50	0.00	3.11
Nigeria	1.22	5.04	1.00	6.55	0.00	0.71
Philippines	3.52	11.93	2.45	14.30	0.00	3.60
Sel. Mideast 7/	0.91	2.34	3.40	5.80	0.00	0.85
Selected Other						0.00
Brazil	0.25	7.56	0.80	7.20	1.10	0.31
C. Amer & Carib 8/	0.67	1.46	1.85	3.29	0.04	0.64
Egypt	0.95	4.30	0.30	4.40	0.02	1.13
Japan	2.05	7.61	0.69	8.30	0.07	1.97
Mexico	0.14	0.17	0.79	0.93	0.01	0.15
South Korea	1.09	3.74	0.48	4.10	0.06	1.16

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 - 604 - 25

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

<b>2020/21 Proj.</b>		Beginning Stocks	Production	Imports	Total/2 Domestic	Exports	Ending Stocks
World 3/	Aug	181.67	500.05	42.04	496.53	44.26	185.19
	Sep	181.68	499.58	42.21	496.42	44.50	184.83
World Less China	Aug	65.17	353.05	39.84	350.23	41.36	68.69
	Sep	65.18	352.58	40.01	350.12	41.60	68.33
United States	Aug	0.98	6.93	1.14	4.56	3.08	1.41
	Sep	0.91	7.14	1.17	4.62	3.14	1.46
Total Foreign	Aug	180.69	493.12	40.89	491.98	41.18	183.78
	Sep	180.77	492.43	41.04	491.80	41.35	183.38
Major Exporters 4/	Aug	42.30	185.60	0.61	150.70	32.30	45.51
	Sep	42.25	185.10	0.61	150.40	32.30	45.26
Burma	Aug	1.13	13.10	0.01	10.60	2.20	1.44
	Sep	1.13	13.00	0.01	10.60	2.20	1.34
India	Aug	35.00	118.00	0.00	104.00	11.00	38.00
	Sep	35.00	119.00	0.00	104.00	12.00	38.00
Pakistan	Aug	0.73	7.50	0.00	3.10	4.30	0.83
	Sep	0.73	7.50	0.00	3.10	4.30	0.83
Thailand	Aug	4.49	20.00	0.20	11.80	8.50	4.39
	Sep	4.44	18.60	0.20	11.50	7.50	4.24
Vietnam	Aug	0.95	27.00	0.40	21.20	6.30	0.85
	Sep	0.95	27.00	0.40	21.20	6.30	0.85
Major Importers 5/	Aug	127.82	239.94	14.15	251.30	3.26	127.35
	Sep	127.79	239.59	14.20	251.20	3.26	127.12
China	Aug	116.50	147.00	2.20	146.30	2.90	116.50
	Sep	116.50	147.00	2.20	146.30	2.90	116.50
European Union 6/	Aug	1.16	1.97	2.35	4.10	0.30	1.08
	Sep	1.17	1.99	2.35	4.10	0.30	1.10
Indonesia	Aug	3.16	34.90	0.50	35.40	0.00	3.16
	Sep	3.11	34.90	0.50	35.40	0.00	3.11
Nigeria	Aug	0.71	5.04	1.20	6.40	0.00	0.55
	Sep	0.71	5.04	1.20	6.40	0.00	0.55
Philippines	Aug	3.58	11.00	3.00	14.40	0.00	3.18
	Sep	3.60	11.00	3.00	14.40	0.00	3.20
Sel. Mideast 7/	Aug	0.85	2.33	3.60	6.00	0.00	0.78
	Sep	0.85	2.27	3.65	6.00	0.00	0.76
Selected Other							
Brazil	Aug	0.21	7.21	0.80	7.15	0.80	0.27
	Sep	0.31	7.34	0.80	7.20	0.90	0.35
C. Amer & Carib 8/	Aug	0.64	1.55	1.90	3.41	0.03	0.65
	Sep	0.64	1.55	1.90	3.41	0.03	0.64
Egypt	Aug	1.13	4.30	0.25	4.50	0.02	1.16
	Sep	1.13	4.30	0.25	4.50	0.02	1.16
Japan	Aug	1.97	7.65	0.69	8.25	0.08	1.98
	Sep	1.97	7.65	0.69	8.25	0.08	1.98
Mexico	Aug	0.16	0.19	0.80	0.95	0.01	0.19
	Sep	0.15	0.19	0.80	0.95	0.01	0.19
South Korea	Aug	1.16	3.86	0.45	4.00	0.06	1.41
	Sep	1.16	3.86	0.45	4.00	0.06	1.41

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 - 604 - 26

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

<b>2018/19</b>	Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	80.93	118.65	42.32	120.19	41.40	0.04	80.27
World Less China	42.94	90.90	32.68	80.69	41.19	0.04	44.60
United States	4.20	18.37	3/	2.98	14.84	-0.09	4.85
Total Foreign	76.73	100.29	42.31	117.22	26.56	0.14	75.42
Major Exporters 4/	26.93	54.61	2.48	33.02	22.32	0.02	28.66
Central Asia 5/	2.67	5.44	3/	3.80	2.04	0.00	2.28
Afr. Fr. Zone 6/	1.61	5.43	3/	0.17	5.47	0.00	1.41
S. Hemis. 7/	13.19	17.31	0.18	4.39	10.86	0.01	15.41
Australia	3.04	2.20	3/	0.04	3.63	0.00	1.57
Brazil	8.66	13.00	0.02	3.40	6.02	0.00	12.26
India	9.23	25.80	1.80	24.00	3.51	0.00	9.31
Major Importers 8/	47.95	42.69	37.29	80.02	3.01	0.11	44.80
Mexico	0.66	1.74	0.85	2.00	0.52	0.03	0.69
China	37.99	27.75	9.64	39.50	0.21	0.00	35.67
European Union 9/	0.30	1.71	0.64	0.70	1.72	0.03	0.21
Turkey	1.78	3.75	3.50	6.90	0.48	0.00	1.64
Pakistan	2.83	7.60	2.85	10.70	0.06	0.03	2.50
Indonesia	0.63	3/	3.05	3.15	0.01	0.00	0.53
Thailand	0.20	3/	1.08	1.08	0.00	0.03	0.18
Bangladesh	1.86	0.14	7.00	7.20	0.00	0.01	1.78
Vietnam	1.29	3/	6.94	7.00	0.00	0.00	1.23
<b>2019/20 Est.</b>							
World	80.27	121.98	40.03	102.13	40.74	-0.03	99.44
World Less China	44.60	94.73	32.89	69.13	40.58	-0.03	62.54
United States	4.85	19.91	3/	2.15	15.53	-0.16	7.25
Total Foreign	75.42	102.07	40.02	99.98	25.21	0.13	92.19
Major Exporters 4/	28.66	58.36	2.90	28.27	21.04	0.02	40.59
Central Asia 5/	2.28	5.96	3/	3.94	1.58	0.00	2.72
Afr. Fr. Zone 6/	1.41	5.91	3/	0.14	4.65	0.00	2.53
S. Hemis. 7/	15.41	16.54	0.15	3.59	11.28	0.01	17.22
Australia	1.57	0.63	3/	0.04	1.36	0.00	0.80
Brazil	12.26	13.40	0.01	2.70	8.94	0.00	14.02
India	9.31	29.50	2.30	20.00	3.25	0.00	17.86
Major Importers 8/	44.80	40.62	34.71	68.05	2.89	0.11	49.08
Mexico	0.69	1.57	0.55	1.50	0.53	0.03	0.76
China	35.67	27.25	7.14	33.00	0.16	0.00	36.90
European Union 9/	0.21	2.00	0.57	0.60	1.76	0.03	0.40
Turkey	1.64	3.45	4.58	6.60	0.36	0.00	2.71
Pakistan	2.50	6.20	3.80	9.20	0.05	0.03	3.22
Indonesia	0.53	3/	2.60	2.55	0.01	0.00	0.58
Thailand	0.18	3/	0.70	0.70	0.00	0.03	0.15
Bangladesh	1.78	0.14	7.00	6.50	0.00	0.01	2.42
Vietnam	1.23	3/	6.48	6.10	0.00	0.00	1.61

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 - 604 - 27

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

<b>2020/21 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	Aug	100.56	117.53	41.58	113.05	41.59	0.11	104.91
	Sep	99.44	117.20	41.75	112.69	41.72	0.15	103.84
World Less China	Aug	63.81	91.03	32.58	76.55	41.46	0.11	69.29
	Sep	62.54	89.95	32.75	76.19	41.60	0.15	67.32
United States	Aug	7.20	18.08	3/	2.70	15.00	-0.02	7.60
	Sep	7.25	17.06	3/	2.50	14.60	0.02	7.20
Total Foreign	Aug	93.36	99.45	41.57	110.35	26.59	0.13	97.31
	Sep	92.19	100.14	41.75	110.19	27.12	0.13	96.64
Major Exporters 4/	Aug	41.87	57.44	1.71	31.43	22.81	0.02	46.77
	Sep	40.59	57.88	1.71	31.33	23.35	0.02	45.48
Central Asia 5/	Aug	2.73	5.67	3/	4.14	1.41	0.00	2.86
	Sep	2.72	5.67	3/	4.14	1.41	0.00	2.85
Afr. Fr. Zone 6/	Aug	2.53	5.59	3/	0.14	5.12	0.00	2.86
	Sep	2.53	5.53	3/	0.14	5.06	0.00	2.86
S. Hemis. 7/	Aug	17.14	16.13	0.16	4.02	11.12	0.01	18.28
	Sep	17.22	16.33	0.16	3.92	11.62	0.01	18.16
Australia	Aug	0.79	1.90	3/	0.04	1.00	0.00	1.65
	Sep	0.80	2.10	3/	0.04	1.30	0.00	1.57
Brazil	Aug	13.92	12.00	0.03	3.10	9.00	0.00	13.85
	Sep	14.02	12.00	0.03	3.00	9.20	0.00	13.85
India	Aug	19.21	29.70	1.00	22.50	4.90	0.00	22.51
	Sep	17.86	30.00	1.00	22.50	5.00	0.00	21.36
Major Importers 8/	Aug	48.96	38.96	37.29	75.00	2.39	0.11	47.72
	Sep	49.08	39.21	37.47	74.92	2.39	0.11	48.33
Mexico	Aug	0.76	1.05	0.65	1.70	0.20	0.03	0.54
	Sep	0.76	1.05	0.60	1.60	0.20	0.03	0.59
China	Aug	36.75	26.50	9.00	36.50	0.13	0.00	35.62
	Sep	36.90	27.25	9.00	36.50	0.13	0.00	36.52
European Union 9/	Aug	0.40	1.76	0.60	0.66	1.65	0.03	0.42
	Sep	0.40	1.76	0.60	0.66	1.65	0.03	0.42
Turkey	Aug	2.72	3.00	4.20	7.00	0.33	0.00	2.59
	Sep	2.71	2.80	4.30	7.00	0.33	0.00	2.49
Pakistan	Aug	3.22	6.50	3.50	10.00	0.08	0.03	3.12
	Sep	3.22	6.20	3.80	10.00	0.08	0.03	3.12
Indonesia	Aug	0.63	3/	2.90	2.90	0.01	0.00	0.63
	Sep	0.58	3/	2.90	2.90	0.01	0.00	0.58
Thailand	Aug	0.15	3/	0.88	0.85	0.00	0.03	0.15
	Sep	0.15	3/	0.85	0.83	0.00	0.03	0.15
Bangladesh	Aug	2.42	0.15	7.30	7.30	0.00	0.01	2.55
	Sep	2.42	0.15	7.30	7.30	0.00	0.01	2.55
Vietnam	Aug	1.59	3/	7.00	6.80	0.00	0.00	1.79
	Sep	1.61	3/	6.80	6.80	0.00	0.00	1.61

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 - 604 - 28

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

2018/19		Beginning Stocks	Production	Imports	Domestic Crush	Domestic Total	Exports	Ending Stocks
World 2/		98.75	361.06	145.05	297.76	343.35	148.42	113.10
World Less China		75.68	345.10	62.51	212.76	241.35	148.30	93.64
United States		11.92	120.52	0.38	56.94	60.40	47.68	24.74
Total Foreign		86.82	240.55	144.67	240.82	282.94	100.74	88.36
Major Exporters 3/		56.95	186.34	6.56	86.79	96.53	91.35	61.98
Argentina		23.73	55.30	6.41	40.57	47.45	9.10	28.89
Brazil		32.70	119.70	0.14	42.53	45.18	74.59	32.77
Paraguay		0.51	8.51	0.01	3.62	3.82	4.90	0.32
Major Importers 4/		25.67	19.84	114.98	113.03	138.08	0.32	22.09
China		23.06	15.97	82.54	85.00	102.00	0.12	19.46
European Union		1.40	2.67	14.98	15.60	17.26	0.18	1.61
Southeast Asia		0.84	0.66	8.27	3.81	9.08	0.02	0.67
Mexico		0.17	0.34	5.87	6.15	6.20	0.00	0.18
<b>2019/20 Est.</b>								
World 2/		113.10	337.30	163.50	307.78	351.99	165.90	96.01
World Less China		93.64	319.20	65.50	217.28	243.79	165.80	68.75
United States		24.74	96.68	0.44	59.06	60.49	45.72	15.64
Total Foreign		88.36	240.62	163.06	248.73	291.50	120.18	80.37
Major Exporters 3/		61.98	187.59	5.34	87.58	97.22	111.57	46.12
Argentina		28.89	49.70	4.65	39.50	46.59	10.25	26.40
Brazil		32.77	126.00	0.67	44.25	46.50	93.50	19.43
Paraguay		0.32	9.90	0.02	3.75	4.05	5.90	0.29
Major Importers 4/		22.09	21.77	132.13	119.42	145.28	0.37	30.34
China		19.46	18.10	98.00	90.50	108.20	0.10	27.26
European Union		1.61	2.62	15.70	16.00	17.71	0.25	1.96
Southeast Asia		0.67	0.61	9.04	4.22	9.54	0.02	0.76
Mexico		0.18	0.24	6.00	6.20	6.25	0.00	0.16
<b>2020/21 Proj.</b>								
World 2/	Aug	95.85	370.40	162.49	320.08	367.90	165.49	95.36
	Sep	96.01	369.74	163.25	320.80	369.07	166.34	93.59
World Less China	Aug	68.60	352.90	63.49	222.08	251.50	165.39	68.10
	Sep	68.75	352.24	64.25	222.80	252.67	166.24	66.33
United States	Aug	16.73	120.42	0.41	59.33	63.14	57.83	16.59
	Sep	15.64	117.38	0.41	59.33	63.07	57.83	12.52
Total Foreign	Aug	79.12	249.98	162.09	260.75	304.76	107.65	78.77
	Sep	80.37	252.37	162.84	261.47	306.00	108.50	81.07
Major Exporters 3/	Aug	45.09	196.85	4.16	91.88	101.63	99.83	44.64
	Sep	46.12	198.84	4.41	91.38	101.53	100.82	47.02
Argentina	Aug	25.70	53.50	4.00	43.00	50.20	7.50	25.50
	Sep	26.40	53.50	4.00	42.00	49.20	7.50	27.20
Brazil	Aug	19.10	131.00	0.15	45.00	47.25	84.00	19.00
	Sep	19.43	133.00	0.40	45.50	48.15	85.00	19.68
Paraguay	Aug	0.29	10.25	0.01	3.80	4.10	6.30	0.14
	Sep	0.29	10.25	0.01	3.80	4.10	6.30	0.14
Major Importers 4/	Aug	30.35	21.43	132.78	126.99	153.87	0.33	30.37
	Sep	30.34	21.48	132.78	127.19	154.07	0.38	30.16
China	Aug	27.26	17.50	99.00	98.00	116.40	0.10	27.26
	Sep	27.26	17.50	99.00	98.00	116.40	0.10	27.26
European Union	Aug	1.98	2.75	14.90	15.70	17.43	0.20	2.00
	Sep	1.96	2.80	14.90	15.90	17.63	0.25	1.79
Southeast Asia	Aug	0.75	0.60	9.37	4.37	9.92	0.03	0.78
	Sep	0.76	0.60	9.37	4.37	9.92	0.03	0.78
Mexico	Aug	0.16	0.35	6.10	6.40	6.47	0.00	0.14
	Sep	0.16	0.35	6.10	6.40	6.47	0.00	0.14

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 - 604 - 29

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

<b>2018/19</b>		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		13.45	233.36	62.05	229.84	67.28	11.74
World Less China		13.45	166.04	62.03	163.43	66.35	11.74
United States		0.50	44.28	0.62	32.85	12.19	0.37
Total Foreign		12.94	189.07	61.43	196.99	55.09	11.37
Major Exporters 3/		6.99	71.84	0.10	26.05	47.11	5.76
Argentina		2.48	31.20	0.03	3.13	28.83	1.74
Brazil		4.30	32.96	0.02	17.65	16.09	3.54
India		0.22	7.68	0.05	5.28	2.18	0.48
Major Importers 4/		1.58	22.02	38.88	60.26	0.59	1.64
European Union		0.21	12.32	18.76	30.44	0.37	0.48
Mexico		0.04	4.86	1.84	6.58	0.01	0.15
Southeast Asia 5/		1.21	2.98	16.69	19.77	0.20	0.91
<b>2019/20 Est.</b>							
World 2/		11.74	241.76	63.06	239.71	66.94	9.92
World Less China		11.74	170.09	63.01	169.09	65.84	9.92
United States		0.37	46.36	0.54	34.38	12.52	0.36
Total Foreign		11.37	195.41	62.52	205.32	54.42	9.56
Major Exporters 3/		5.76	71.47	0.07	26.86	45.95	4.49
Argentina		1.74	30.40	0.00	3.28	27.00	1.86
Brazil		3.54	34.35	0.02	18.09	17.50	2.32
India		0.48	6.72	0.05	5.49	1.45	0.31
Major Importers 4/		1.64	22.72	39.13	61.65	0.57	1.26
European Union		0.48	12.64	18.20	30.79	0.35	0.18
Mexico		0.15	4.90	1.93	6.90	0.01	0.07
Southeast Asia 5/		0.91	3.30	17.30	20.37	0.21	0.92
<b>2020/21 Proj.</b>							
World 2/	Aug	9.44	251.82	64.52	249.10	67.73	8.95
	Sep	9.92	252.06	64.66	249.50	67.83	9.31
World Less China	Aug	9.44	174.20	64.51	172.47	66.73	8.95
	Sep	9.92	174.44	64.64	172.87	66.83	9.31
United States	Aug	0.34	46.65	0.36	34.75	12.25	0.36
	Sep	0.36	46.63	0.36	34.75	12.25	0.36
Total Foreign	Aug	9.10	205.17	64.16	214.35	55.48	8.59
	Sep	9.56	205.43	64.30	214.75	55.59	8.94
Major Exporters 3/	Aug	4.25	75.55	0.08	27.86	47.82	4.20
	Sep	4.49	75.60	0.07	27.96	47.87	4.34
Argentina	Aug	1.61	33.05	0.00	3.40	29.65	1.61
	Sep	1.86	32.33	0.00	3.40	29.00	1.79
Brazil	Aug	2.33	34.90	0.03	18.51	16.30	2.45
	Sep	2.32	35.28	0.02	18.51	16.80	2.31
India	Aug	0.31	7.60	0.05	5.95	1.87	0.14
	Sep	0.31	8.00	0.05	6.05	2.07	0.24
Major Importers 4/	Aug	1.32	22.77	39.92	62.10	0.52	1.40
	Sep	1.26	22.93	40.07	62.37	0.52	1.37
European Union	Aug	0.23	12.40	18.75	30.89	0.30	0.19
	Sep	0.18	12.56	18.75	31.02	0.30	0.17
Mexico	Aug	0.07	5.06	2.00	7.05	0.01	0.07
	Sep	0.07	5.06	2.00	7.05	0.01	0.07
Southeast Asia 5/	Aug	0.93	3.41	17.47	20.56	0.21	1.05
	Sep	0.92	3.41	17.62	20.71	0.21	1.04

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

## WASDE - 604 - 30

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

2018/19		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		3.84	55.75	10.44	54.96	11.23	3.84
World Less China		3.27	40.52	9.65	39.07	11.03	3.34
United States		0.91	10.98	0.18	10.38	0.88	0.81
Total Foreign		2.93	44.77	10.26	44.58	10.35	3.03
Major Exporters 3/		0.80	19.74	0.47	12.24	7.78	0.99
Argentina		0.27	7.91	0.00	2.57	5.26	0.35
Brazil		0.37	8.18	0.02	7.17	1.08	0.33
European Union		0.15	2.96	0.42	2.46	0.79	0.29
Major Importers 4/		1.02	17.98	6.36	23.99	0.31	1.07
China		0.57	15.23	0.78	15.89	0.20	0.50
India		0.17	1.73	3.00	4.75	0.01	0.14
North Africa 5/		0.19	0.73	1.56	2.18	0.10	0.20
<b>2019/20 Est.</b>							
World 2/		3.84	57.44	11.03	56.23	12.08	4.01
World Less China		3.34	41.22	10.13	39.38	11.91	3.41
United States		0.81	11.32	0.15	10.18	1.25	0.84
Total Foreign		3.03	46.13	10.88	46.04	10.83	3.17
Major Exporters 3/		0.99	19.87	0.51	12.23	8.14	1.00
Argentina		0.35	7.62	0.00	2.33	5.44	0.20
Brazil		0.33	8.50	0.05	7.39	1.21	0.28
European Union		0.29	3.04	0.45	2.47	0.83	0.49
Major Importers 4/		1.07	19.02	6.71	25.18	0.37	1.24
China		0.50	16.22	0.90	16.84	0.18	0.60
India		0.14	1.51	3.35	4.85	0.01	0.14
North Africa 5/		0.20	0.90	1.66	2.27	0.19	0.31
<b>2020/21 Proj.</b>							
World 2/	Aug	4.26	59.86	10.96	58.84	12.06	4.19
	Sep	4.01	59.91	11.00	58.88	12.08	3.95
World Less China	Aug	3.71	42.30	9.96	40.47	11.91	3.59
	Sep	3.41	42.35	10.00	40.47	11.93	3.35
United States	Aug	0.94	11.46	0.16	10.43	1.18	0.94
	Sep	0.84	11.46	0.16	10.43	1.18	0.84
Total Foreign	Aug	3.33	48.40	10.80	48.40	10.88	3.25
	Sep	3.17	48.45	10.84	48.45	10.90	3.11
Major Exporters 3/	Aug	1.20	20.73	0.45	12.71	8.55	1.12
	Sep	1.00	20.59	0.45	12.55	8.50	0.99
Argentina	Aug	0.27	8.39	0.00	2.40	6.00	0.26
	Sep	0.20	8.10	0.00	2.30	5.80	0.20
Brazil	Aug	0.42	8.64	0.03	7.60	1.05	0.44
	Sep	0.28	8.75	0.03	7.57	1.20	0.29
European Union	Aug	0.49	2.98	0.42	2.67	0.83	0.39
	Sep	0.49	3.02	0.42	2.64	0.83	0.46
Major Importers 4/	Aug	1.21	20.57	6.67	26.89	0.31	1.25
	Sep	1.24	20.66	6.67	27.02	0.31	1.23
China	Aug	0.56	17.56	1.00	18.37	0.15	0.60
	Sep	0.60	17.56	1.00	18.41	0.15	0.60
India	Aug	0.14	1.71	3.24	4.94	0.01	0.14
	Sep	0.14	1.80	3.24	5.03	0.01	0.14
North Africa 5/	Aug	0.32	0.87	1.64	2.32	0.16	0.36
	Sep	0.31	0.87	1.64	2.32	0.16	0.34

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 - 604 - 31

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

Year and Quarter		Beef	Pork	Red Meat 2/	Broiler	Turkey	Total Red Meat Poultry 3/ & Poultry	Egg	Milk	
		<i>Million Pounds</i>						<i>Mil doz</i>	<i>Bil lbs</i>	
2019	III	6,923	6,706	13,683	11,402	1,453	12,992	26,675	2,347	54.2
	IV	7,001	7,478	14,535	11,175	1,467	12,773	27,308	2,414	54.0
	Annual	27,155	27,638	55,015	43,905	5,818	50,251	105,266	9,447	218.4
2020	I	6,929	7,426	14,407	11,237	1,469	12,841	27,248	2,349	56.1
	II	6,054	6,311	12,417	10,940	1,369	12,446	24,863	2,249	56.0
	III*	7,065	7,080	14,196	11,225	1,420	12,784	26,980	2,305	55.0
	IV*	7,000	7,420	14,476	11,150	1,450	12,730	27,206	2,345	54.9
	Annual									
	Aug Proj.	27,028	28,357	55,597	44,668	5,688	50,889	106,485	9,223	221.8
	Sep Proj.	27,048	28,237	55,496	44,552	5,708	50,801	106,296	9,248	222.0
2021	I*	6,840	7,095	13,987	11,000	1,420	12,550	26,537	2,285	56.4
	II*	6,935	6,955	13,948	11,165	1,425	12,730	26,678	2,290	57.7
	Annual									
	Aug Proj.	27,620	28,565	56,403	45,275	5,770	51,585	107,988	9,385	225.3
	Sep Proj.	27,355	28,445	56,018	45,020	5,770	51,330	107,348	9,375	225.4

\* 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 1/

Year and Quarter		Steers 2/	Barrows and gilts 3/	Broilers 4/	Turkeys 5/	Eggs 6/	Milk 7/
		<i>Dol./cwt</i>	<i>Dol./cwt</i>	<i>Cents/lb.</i>	<i>Cents/lb.</i>	<i>Cents/doz.</i>	<i>Dol./cwt</i>
2019	III	108.16	50.08	82.0	90.8	81.9	18.97
	IV	114.88	43.11	80.6	97.8	117.2	20.60
	Annual	116.78	47.95	88.6	89.2	94.0	18.63
2020	I	118.32	42.52	83.5	97.4	133.1	18.83
	II	105.79	38.96	67.0	103.7	119.6	15.37
	III*	101.00	39.00	67.0	111.0	87.0	19.60
	IV*	104.00	37.00	66.0	111.0	120.0	17.15
	Annual						
	Aug Proj.	107.3	38.1	70.4	105.5	114.4	17.95
	Sep Proj.	107.3	39.4	70.9	105.8	114.9	17.75
2021	I*	107.00	41.00	81.0	102.0	113.0	16.75
	II*	107.00	47.00	88.0	104.0	95.0	16.45
	Annual						
	Aug Proj.	110	44	81	105	110	17.05
	Sep Proj.	112	44	82	105	110	17.00

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

## WASDE - 604 - 32

## U.S. Meats Supply and Use

		Beginning Production			Total		Ending	Total Per Capita	
		stocks	1/	Imports	Supply	Exports	Stocks	Use	2/ 3/
		<i>Million Pounds /4</i>							
Beef	2019	662	27,224	3,058	30,944	3,026	642	27,276	58.1
	2020 Proj. Aug	642	27,094	3,137	30,873	2,896	650	27,326	57.9
	Sep	642	27,117	3,272	31,031	2,896	660	27,475	58.2
	2021 Proj. Aug	650	27,686	3,045	31,381	3,140	650	27,591	58.1
	Sep	660	27,424	3,045	31,129	3,140	650	27,339	57.7
Pork	2019	559	27,652	945	29,156	6,321	646	22,188	52.4
	2020 Proj. Aug	646	28,371	861	29,879	7,547	525	21,807	51.2
	Sep	646	28,251	861	29,759	7,547	525	21,687	51.0
	2021 Proj. Aug	525	28,579	895	29,999	7,650	575	21,774	50.8
	Sep	525	28,459	895	29,879	7,650	575	21,654	50.6
Total Red Meat 5/	2019	1,266	55,108	4,275	60,649	9,353	1,330	49,966	111.9
	2020 Proj. Aug	1,330	55,687	4,274	61,290	10,454	1,221	49,616	110.4
	Sep	1,330	55,589	4,409	61,328	10,459	1,231	49,638	110.5
	2021 Proj. Aug	1,221	56,493	4,213	61,927	10,796	1,268	49,863	110.2
	Sep	1,231	56,111	4,213	61,555	10,797	1,268	49,490	109.6
Broiler	2019	845	43,435	131	44,411	7,103	937	36,371	95.1
	2020 Proj. Aug	937	44,190	135	45,262	7,186	890	37,186	96.7
	Sep	937	44,075	135	45,147	7,186	890	37,071	96.4
	2021 Proj. Aug	890	44,791	132	45,813	7,140	905	37,768	97.5
	Sep	890	44,538	132	45,560	7,140	905	37,515	97.1
Turkey	2019	303	5,818	12	6,133	639	233	5,261	16.0
	2020 Proj. Aug	233	5,688	15	5,936	540	215	5,181	15.7
	Sep	233	5,708	19	5,960	540	215	5,205	15.8
	2021 Proj. Aug	215	5,770	12	5,997	555	230	5,212	15.7
	Sep	215	5,770	12	5,997	555	230	5,212	15.7
Total Poultry 6/	2019	1,153	49,781	146	51,080	7,824	1,175	42,081	112.5
	2020 Proj. Aug	1,175	50,410	152	51,737	7,810	1,110	42,817	113.7
	Sep	1,175	50,323	156	51,654	7,810	1,110	42,734	113.6
	2021 Proj. Aug	1,110	51,100	147	52,357	7,765	1,140	43,452	114.6
	Sep	1,110	50,848	147	52,105	7,765	1,140	43,200	114.2
Red Meat & Poultry	2019	2,419	104,889	4,421	111,728	17,177	2,504	92,047	224.4
	2020 Proj. Aug	2,504	106,097	4,426	113,027	18,264	2,331	92,433	224.1
	Sep	2,504	105,912	4,565	112,982	18,269	2,341	92,372	224.1
	2021 Proj. Aug	2,331	107,593	4,360	114,284	18,561	2,408	93,315	224.8
	Sep	2,341	106,959	4,360	113,660	18,562	2,408	92,690	223.9

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 - 604 - 33

## U.S. Egg Supply and Use

	2018	2019	2020 Proj.	2020 Proj.	2021 Proj.	2021 Proj.
			Aug	Sep	Aug	Sep
<b>Eggs</b>	<i>Million Dozen</i>					
<b>Supply</b>						
Beginning Stocks	87.5	78.8	128.4	108.7	130.0	130.0
Production	9,205.0	9,447.5	9,223.0	9,248.0	9,385.0	9,375.0
Imports	17.8	14.6	14.2	14.2	16.0	16.0
<b>Total Supply</b>	<b>9,310.3</b>	<b>9,540.9</b>	<b>9,365.6</b>	<b>9,370.9</b>	<b>9,531.0</b>	<b>9,521.0</b>
<b>Use</b>						
Exports	333.2	333.9	339.6	339.6	335.0	335.0
Hatching Use	1,057.5	1,081.2	1,080.7	1,080.7	1,105.0	1,105.0
Ending Stocks	78.8	108.7	130.0	130.0	135.0	135.0
Disappearance						
<b>Total</b>	<b>7,840.9</b>	<b>8,017.1</b>	<b>7,815.3</b>	<b>7,820.6</b>	<b>7,956.0</b>	<b>7,946.0</b>
Per Capita (number)	287.8	292.8	283.8	284.2	287.1	287.4

## U.S. Milk Supply and Use

	2018	2019	2020 Proj.	2020 Proj.	2021 Proj.	2021 Proj.
			Aug	Sep	Aug	Sep
<b>Milk</b>	<i>Billion Pounds</i>					
<b>Production</b>						
Farm Use	217.6	218.4	221.8	222.0	225.3	225.4
<b>Fat Basis Supply</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>
Beg. Commercial Stocks	13.4	13.8	13.6	13.6	13.1	13.2
Marketings	216.6	217.4	220.7	221.0	224.3	224.4
Imports	6.3	6.9	7.1	6.9	6.9	6.7
<b>Total Cml. Supply</b>	<b>236.2</b>	<b>238.1</b>	<b>241.5</b>	<b>241.6</b>	<b>244.2</b>	<b>244.3</b>
<b>Fat Basis Use</b>						
Commercial Exports	10.4	9.1	9.2	9.4	9.5	9.6
Ending Commercial Stocks	13.8	13.6	13.1	13.2	13.1	13.1
CCC Donations	0.0	0.2	0.3	0.3	0.0	0.0
Domestic Commercial Use	212.1	215.2	218.9	218.7	221.7	221.6
<b>Skim-solid Basis Supply</b>						
Beg. Commercial Stocks	11.8	10.7	10.2	10.2	10.1	10.2
Marketings	216.6	217.4	220.7	221.0	224.3	224.4
Imports	5.5	5.8	5.7	5.7	5.6	5.7
<b>Total Cml. Supply</b>	<b>233.8</b>	<b>233.9</b>	<b>236.7</b>	<b>236.8</b>	<b>240.0</b>	<b>240.2</b>
<b>Skim-solid Basis Use</b>						
Commercial Exports	44.6	41.5	46.2	47.2	46.3	47.2
Ending Commercial Stocks	10.7	10.2	10.1	10.2	10.1	10.1
CCC Donations	0.0	0.2	0.1	0.1	0.0	0.0
Domestic Commercial Use	178.5	181.9	180.2	179.3	183.6	182.9

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 - 604 - 34

## U.S. Dairy Prices

	2018	2019	2020 Proj. Aug	2020 Proj. Sep	2021 Proj. Aug	2021 Proj. Sep
<b>Product Prices 1/</b>	<i>Dollars Per Pound</i>					
Cheese	1.5377	1.7586	1.845	1.835	1.715	1.705
Butter	2.2572	2.2431	1.625	1.600	1.680	1.675
Nonfat Dry Milk	0.7945	1.0419	1.025	1.025	1.010	1.010
Dry Whey	0.3422	0.3799	0.355	0.350	0.355	0.350
	<i>Dollars Per Cwt</i>					
<b>Milk Prices 2/</b>						
Class III	14.61	16.96	17.40	17.25	16.10	16.00
Class IV	14.23	16.30	13.55	13.40	13.65	13.60
All Milk 3/	16.27	18.63	17.95	17.75	17.05	17.00

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

## WASDE - 604 - 35

## Reliability of September Projections 1/

Note: Tables on pages 35-37 present a record of the September 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 1.9 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 3.3 percent. The average difference between the September projection and the final estimate is 8.7 million tons, ranging from 0.9 million to 30.7 million tons. The September projection has been below the estimate 25 times and above 14 times.

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average			Years	
Percent			Smallest	Largest	Below Final	Above Final	
<b>WHEAT</b>	<i>Percent</i>			<i>Million Metric Tons</i>			
Production							
World	1.9	3.3	8.7	0.9	30.7	25	14
U.S.	1.9	3.2	0.9	0.0	2.5	16	23
Foreign	2.2	3.8	8.7	0.2	30.9	27	12
Exports							
World	5.9	10.0	6.4	0.3	22.0	30	9
U.S.	10.2	17.4	2.6	0.2	10.0	17	22
Foreign	7.3	12.4	6.0	0.2	21.4	29	10
Domestic Use							
World	1.6	2.8	7.1	0.2	23.4	21	18
U.S.	7.4	12.6	2.0	0.0	5.5	12	27
Foreign	1.6	2.8	7.1	0.1	21.0	25	14
Ending Stocks							
World	8.1	13.7	10.0	1.5	29.6	31	8
U.S.	14.3	24.3	2.7	0.5	12.4	23	16
Foreign	8.8	15.0	8.8	0.5	27.1	30	9
<b>COARSE GRAINS 2/</b>							
Production							
World	2.2	3.7	17.4	0.2	50.6	30	9
U.S.	4.2	7.1	7.7	0.2	26.0	25	14
Foreign	2.6	4.3	15.9	1.0	59.9	29	10
Exports							
World	7.0	11.9	6.9	0.1	25.2	28	11
U.S.	19.5	33.2	7.3	0.4	19.1	16	23
Foreign	13.6	23.1	7.9	0.7	20.9	26	13
Domestic Use							
World	1.6	2.6	12.1	0.4	39.0	23	16
U.S.	3.7	6.3	6.4	0.1	15.8	24	15
Foreign	1.8	3.0	10.9	0.4	37.8	26	13
Ending Stocks							
World	14.3	24.2	19.5	1.7	170.3	30	9
U.S.	23.1	39.2	8.3	0.1	32.2	17	22
Foreign	16.4	27.9	15.4	0.7	155.3	32	7
<b>RICE, milled</b>							
Production							
World	2.3	3.9	6.3	0.4	24.1	30	9
U.S.	4.4	7.4	0.2	0.0	0.5	21	17
Foreign	2.3	4.0	6.3	0.3	24.4	30	9
Exports							
World	9.2	15.6	1.7	0.1	6.8	27	12
U.S.	11.3	19.1	0.2	0.0	0.9	19	18
Foreign	10.3	17.4	1.7	0.1	6.8	27	12
Domestic Use							
World	1.8	3.0	4.2	0.4	22.7	30	9
U.S.	6.9	11.7	0.2	0.0	0.5	18	20
Foreign	1.8	3.1	4.2	0.2	23.1	30	9
Ending Stocks							
World	12.3	20.9	6.4	0.5	26.9	33	6
U.S.	22.6	38.4	0.2	0.0	0.9	21	18
Foreign	13.4	22.8	6.5	0.2	26.7	33	6

1/ Footnotes at end of table.

CONTINUED

## WASDE - 604 - 36

## Reliability of September Projections (Continued) 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average	Smallest	Largest	Years Below Final	Years Above Final
SOYBEANS	<i>Percent</i>			<i>Million Metric Tons</i>			
Production							
World	4.6	7.7	7.1	0.4	27.4	23	16
U.S.	5.0	8.5	3.0	0.2	10.4	21	18
Foreign	7.4	12.6	6.6	0.9	29.1	18	21
Exports							
World	7.4	12.5	3.8	0.2	15.3	26	13
U.S.	12.4	21.0	3.0	0.1	9.8	23	16
Foreign	17.7	30.0	3.2	0.0	18.6	18	21
Domestic Use							
World	3.3	5.6	4.6	0.0	15.1	24	15
U.S.	4.5	7.6	1.6	0.1	4.5	25	14
Foreign	4.0	6.9	4.5	0.0	11.2	24	15
Ending Stocks							
World	17.6	29.9	5.4	0.2	24.8	22	17
U.S.	37.8	64.1	2.2	0.1	6.6	12	27
Foreign	19.6	33.3	4.7	0.0	24.7	23	15
COTTON	<i>Million 480-Pound Bales</i>						
Production							
World	4.7	8.0	3.2	0.1	12.6	23	16
U.S.	6.2	10.6	0.9	0.0	2.4	19	19
Foreign	5.3	8.9	2.8	0.0	11.3	25	14
Exports							
World	9.2	15.7	2.3	0.0	10.1	23	16
U.S.	20.6	35.0	1.2	0.1	3.4	21	18
Foreign	12.0	20.3	1.8	0.1	8.8	21	18
Domestic Use							
World	5.0	8.4	3.4	0.1	19.3	15	24
U.S.	10.2	17.2	0.4	0.0	1.3	17	20
Foreign	5.0	8.5	3.3	0.0	18.5	16	22
Ending Stocks							
World	14.3	24.3	5.6	0.2	16.8	27	12
U.S.	35.5	60.2	1.3	0.0	5.1	16	22
Foreign	14.8	25.1	5.2	0.2	16.8	27	12

1/ Marketing years 1981/82 through 2019/20 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 2018/19, and for 2019/20 the last month's estimate. 2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

## WASDE - 604 - 37

## Reliability of United States September Projections 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average			Years	
			Smallest	Largest	Below Final	Above Final	
<b>CORN</b>	<i>Percent</i>		<i>Million Bushels</i>				
Production	4.4	7.4	290	15	885	25	14
Exports	20.4	34.6	265	46	725	16	23
Domestic Use	4.0	6.8	252	0	575	24	14
Ending Stocks	26.3	44.7	314	2	1,321	17	22
<b>SORGHUM</b>							
Production	6.1	10.3	24	0	81	16	22
Exports	32.1	54.5	42	0	150	20	18
Domestic Use	25.7	43.6	40	0	120	19	18
Ending Stocks	48.1	81.6	32	1	155	12	27
<b>BARLEY</b>							
Production	4.8	8.1	11	1	36	15	24
Exports	64.9	110.1	13	0	82	16	18
Domestic Use	9.8	16.6	22	0	72	13	24
Ending Stocks	17.7	30.0	19	0	70	19	19
<b>OATS</b>							
Production	9.7	16.5	11	0	44	6	32
Exports	96.5	163.7	1	0	8	10	14
Domestic Use	6.7	11.3	14	1	39	11	28
Ending Stocks	22.9	38.9	14	0	47	19	19
<b>SOYBEAN MEAL</b>			<i>Thousand Short Tons</i>				
Production	4.3	7.4	1,320	93	4,200	26	13
Exports	14.3	24.3	885	34	4,100	22	17
Domestic Use	3.7	6.3	792	26	3,200	24	15
Ending Stocks	39.5	67.0	52	0	368	14	14
<b>SOYBEAN OIL</b>			<i>Million Pounds</i>				
Production	4.6	7.7	614	26	2,635	25	14
Exports	34.2	58.0	442	0	1,675	21	17
Domestic Use	4.3	7.2	504	86	2,150	25	14
Ending Stocks	30.5	51.7	439	60	1,357	22	17
<b>ANIMAL PROD.</b>			<i>Million Pounds</i>				
Beef	4.0	6.8	802	32	2,486	26	12
Pork	2.9	5.0	390	5	1,356	22	16
Broilers	2.1	3.5	514	49	1,379	23	15
Turkeys	3.8	6.4	147	2	444	21	17
			<i>Million Dozen</i>				
Eggs	1.9	3.2	112	4	414	25	13
			<i>Billion Pounds</i>				
Milk	1.7	2.8	2.1	0.1	7.2	21	17

1/ See pages 35 and 36 for record of reliability for U.S. wheat, rice, soybeans, and cotton. Marketing years 1981/82 through 2019/20 for grains, soybeans, and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2018/19, and for 2019/20 the last month's estimate. Calendar years 1982 through 2019 for meats, eggs, and milk. Final for animal products is defined as the latest annual production estimate published by NASS for 1982-2019.

---

## Related USDA Reports

---

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>.

---

## Supply and Demand Database

---

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.

---

## Foreign Production Assessments

---

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/>.

---

## Metric Conversion Factors

---

**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



**For complete WASDE tables and previous month's report visit**

<https://www.usda.gov/oce/commodity/wasde/>

**To subscribe to receive WASDE-related notifications** by email or text message visit

[https://public.govdelivery.com/accounts/USDAOCSUBSCRIBER/new?topic\\_id=USDAOCSUBSCRIBER](https://public.govdelivery.com/accounts/USDAOCSUBSCRIBER/new?topic_id=USDAOCSUBSCRIBER)

**Previous WASDE reports are available at**

<https://usda.library.cornell.edu/concern/publications/3t945q76s?locale=en>

For questions contact: Mirvat Sewadeh at 202-720-5447 or [msewadeh@oce.usda.gov](mailto:msewadeh@oce.usda.gov)

## **World Agricultural Supply and Demand Estimates**

**WASDE-604 – September 11, 2020**

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.