

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 - 619

Approved by the World Agricultural Outlook Board

December 9, 2021

WHEAT: The outlook for 2021/22 U.S. wheat this month is for slightly lower supplies, unchanged domestic use, reduced exports, and higher ending stocks. Supplies are lowered, on decreased imports with a weaker-than-expected pace for Hard Red Spring (HRS). Exports are lowered 20 million bushels to 840 million on slowing export sales and shipments with equivalent reductions for Hard Red Winter and HRS. Additionally, U.S. export prices are expected to remain elevated the rest of 2021/22, further diminishing U.S. competitiveness. Projected 2021/22 ending stocks are raised 15 million bushels to 598 million but are still 29 percent lower than last year. The projected season-average farm price (SAFP) is raised \$0.15 per bushel to \$7.05 on NASS prices reported to date and expectations for cash and futures prices for the remainder of 2021/22. This would be the highest SAFP since 2012/13.

The global wheat outlook for 2021/22 is for higher supplies, greater consumption, increased trade, and higher ending stocks. Supplies are projected rising by 4.3 million tons to 1,067.5 million, primarily on the combination of increased beginning stocks for Australia and the EU and upward production revisions for Australia, Russia, and Canada. Australia's production is raised 2.5 million tons to a record 34.0 million, based mainly on the latest Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) forecast. Russia's production is increased 1.0 million tons to 75.5 million, all for winter wheat on updated Ministry of Agriculture data. Canada's production is raised 0.7 million tons to 21.7 million on the latest Statistics Canada forecast. Despite the increases for Russia and Canada, their respective production levels remain significantly below last year.

Projected 2021/22 world consumption is raised 1.9 million tons to 789.4 million on higher feed and residual use more than offsetting lower food, seed, and industrial use. Most of the feed and residual use increases are for Australia and Russia on higher production and for the EU, as more wheat feeding is expected with extended rains affecting grain quality at harvest. Projected 2021/22 global trade is raised 2.3 million tons to a record 205.5 million on higher exports by Australia, EU, India, and Ukraine. The largest import change is for Iran, up 1.5 million tons to 7.0 million on further reductions in production and heightened import activity. These would be the largest Iranian wheat imports on record, surpassing 6.8 million tons in 2008/09. Projected 2021/22 world ending stocks are raised 2.4 million tons to 278.2 million with most of the increases from Australia, Canada, and the United States. Despite upward revisions to global stocks this month, they are still at a 5-year low.

COARSE GRAINS: This month's 2021/22 U.S. corn supply and use outlook is unchanged from last month. The projected season-average farm price remains at \$5.45 per bushel.

Global coarse grain production for 2021/22 is forecast 2.7 million tons higher to 1,501.7 million. The foreign coarse grain outlook is for greater production, increased trade, and larger ending stocks relative to last month. Foreign corn production is forecast higher as

increases for the EU and Ukraine more than offset a reduction for China. EU corn production is raised reflecting increases for France, Romania, and Poland. Ukraine corn production is higher based on harvest results to date. China corn production is reduced reflecting the latest information published by the National Bureau of Statistics which indicated higher area that was more than offset by a reduction in yield. Barley production is raised for Australia but lowered for the EU and Iran. Sorghum production is increased for Australia.

Corn exports are raised for Ukraine and the EU. Imports are raised for Iran, Egypt, Saudi Arabia, and the United Kingdom, but lowered for Israel. For 2020/21, corn exports for Brazil are raised for the local marketing year beginning March 2021, based on higher-than-expected shipments through the month of November. Sorghum exports for 2021/22 are raised for Australia, with higher imports projected for China. Foreign corn ending stocks are raised, mostly reflecting increases for Ukraine, the EU, Mexico, and Iran that are partly offset by a reduction for China.

RICE: The outlook for 2021/22 U.S. rice is for reduced supplies, unchanged domestic use, slightly lower exports, and fractionally lower ending stocks compared with last month. The import forecast is reduced 1.5 million cwt to 33.5 million, based on a slow pace of shipments through October and expectations of continued high freight costs and limited container availability the rest of 2021/22. In addition, the export forecast is reduced by 1.0 million cwt to 89.0 million, all for medium- and short-grain rice, based on shipment pace and outstanding sales to-date. U.S. exports are limited by high prices and smaller U.S. supplies. Milled rice exports are reduced 2.0 million cwt to 55.0 million, which would be the lowest milled rice exports since 1973/74. Ending stocks are forecast fractionally lower to 34.5 million cwt. The season-average farm price forecast for all rice is unchanged this month at \$14.80 per cwt, as an increase to the long-grain price forecast offsets a decrease in the medium- and short-grain price.

The 2021/22 global outlook is for lower supplies, lower consumption, fractionally larger trade, and slightly reduced ending stocks compared with last month. Supplies are lowered 1.5 million tons to 697.7 million for 2021/22, mostly on smaller crop forecasts for Bangladesh, Thailand, and Peru. The global trade forecast is fractionally larger at 49.7 million tons, primarily due to an increase in exports for Burma. Global 2021/22 ending stocks are reduced 1.1 million tons to 186.8 million.

OILSEEDS: Total U.S. oilseed production for 2021/22 is forecast at 130.3 million tons, up slightly due to an increase for cottonseed. Soybean supply and use projections for 2021/22 are unchanged from last month. Although soybean crush is unchanged, soybean oil production is raised on a higher extraction rate. With increased soybean oil supplies, food, feed, and other industrial use of soybean oil is raised, offsetting lower consumption of canola and cottonseed oils. Based on a review of EPA's proposed rule for 2020-2022 renewable fuel obligation targets, soybean oil used for biofuel for 2021/22 is unchanged at 11 billion pounds. The U.S. season-average soybean and soybean oil price forecasts for 2021/22 are unchanged at \$12.10 per bushel and 65.0 cents per pound, respectively. The soybean meal price forecast is increased \$5.00 to \$330.00 per short ton.

The 2021/22 global oilseed supply and demand forecasts include lower production and lower ending stocks compared to last month. Global oilseed production is projected at 627.6 million tons, down 0.4 million from last month mainly driven by lower soybean production

reported by China's National Bureau of Statistics. China's soybean production is down 2.6 million tons to 16.4 million on lower area. Largely offsetting China's reduction is higher sunflower and soybean output for Russia and Ukraine based on harvest results. Rapeseed production is increased for Australia and lowered for Canada based on recent government reports, and India's production is increased on a faster-than-expected planting pace. Global crush is reduced as lower soybean crush for China more than offsets higher sunflowerseed crush for Russia and Ukraine.

Global oilseed trade for 2021/22 is projected at 196.0 million tons, up 0.5 million from last month. Increased rapeseed exports for Australia and increased soybean exports for Canada and Ukraine account for most of the gains. Global oilseed ending stocks are projected at 114.1 million tons, down 1.1 million from last month mainly on lower soybean stocks for China.

SUGAR: The U.S. sugar supply and use balance for 2020/21 is revised on data revisions made in Sweetener Market Data (SMD). A cane refiner decreased its raw sugar imports for August by 26,295 short tons, raw value (STRV), implying the same sized reduction in ending stocks to 1,701,915. The cane refiner revision, along with a small reduction in total imports (277 STRV) based on U.S. Census trade data, results in a 26,018 STRV increase in Direct Consumption Imports (904,298 STRV) and consequently in deliveries for human consumption (12,135,184 STRV). The ending stocks-to-use ratio is decreased by 0.3 percentage points to 13.8 percent.

Louisiana cane sugar production for 2021/22 is decreased by 71,592 STRV to 1,712,238 on the NASS 4.1 percent reduction in sugarcane yield. U.S. beet sugar production is decreased by 19,871 STRV to 5,393,301. Although SMD reports that U.S. beet processors increased their estimate of sugarbeets harvested (yield increase of 3.6 percent only partially offset by a decrease in area harvested of 3.3 percent), total sugarbeets projected for slicing decreased by 135,207 tons to 33,956,053 due to higher forecast shrink. USDA did not change sucrose recovery, sugar from desugared molasses, or 2022 August-September production in projecting production for the fiscal year. USDA can be expected to revise its projection of sucrose recovery next month when slice data through the end of November becomes available from beet processors. Because the slice data prior to November (August-October) is insufficient for forecasting full season sucrose recovery, the average of recoveries from the 5 preceding years is used until January.

Imports for 2021/22 are increased by 30,812 STRV to 3,075,895. High-tier tariff imports are increased by 50,000 STRV on the basis of actual entries of sugar through the beginning of December and an increase in the projected pace of refined sugar imports. Based on Customs reporting, imports of raw sugar at the high-tier tariff for October 1 through December 3 are 62,493 STRV. Imports of refined sugar for the same period are 15,179 STRV. USDA projects that monthly refined high-tier tariff imports will average about 7,250 STRV December through September. (The average for October-November was 7,590 STRV and the average for January-November was 12,585 STRV.) Imports from Mexico are reduced by 19,188 STRV to 1,064,712 as detailed below in the discussion on the Mexico supply and use. There are no changes from last month for sugar use. Ending stocks for 2021/22 are projected at 1,678,349 STRV for a stocks-to-use ratio of 13.6 percent.

Mexico supply and use for both 2020/21 and 2021/22 are unchanged from last month. Exports to the United States for 2021/22 are projected at 911,218 metric tons (MT), a decrease of 16,422 from last month. Calculated U.S. Needs implied by the December 2021 U.S. Sugar *WASDE* as set out in the AD/CVD Suspension Agreements is 900,253 MT (1,051,901 STRV). This amount exceeds the Export Limit of 777,723 MT (908,730 STRV) established by the Department of Commerce (DOC) on November 23, 2021. There is an additional export amount of 10,965 MT (12,812 STRV) from the 2020/21 export allocation to Mexico that was permitted by DOC to enter the United States after September 30. Because total Mexico exports for 2021/22 are unchanged from last month at 1,777,193 MT, shipments other than to the United States under export license increase by 16,422 MT to 865,976.

LIVESTOCK, POULTRY, AND DAIRY: Total red meat and poultry production for 2021 is reduced from last month as lower broiler and turkey production more than offsets higher beef and pork production. The beef production forecast is raised on higher fed cattle slaughter and heavier carcass weights. Pork production is increased on the current pace of hog slaughter. Broiler production is reduced on recent hatchery and slaughter data while the turkey production forecast is lowered on recent slaughter data. Egg production is forecast lower on recent production data.

For 2022, total red meat and poultry production is raised from last month. Beef production is unchanged from the previous month while pork production is raised on heavier carcass weights. Broiler production is raised as higher prices are expected to support expanding production. Turkey production is lowered from last month. Egg production is raised on higher hatching egg production.

Beef import forecasts are raised for 2021 and 2022 but no change is made to the export forecasts. The 2021 pork export forecast is reduced from last month largely on weaker import demand from China. Broiler exports are unchanged for 2021, but forecasts are raised for 2022 on stronger expected demand. Turkey exports for both 2021 and 2022 are lowered modestly on recent trade data.

The cattle price forecasts for 2021 and 2022 are raised on current price strength and expectations of continued demand strength into next year. The fourth-quarter hog price is reduced on recent prices, but no change is made to 2022 hog prices. The 2021 and 2022 broiler price forecasts are raised from last month on current prices and expectations that demand will remain firm. The 2021 turkey price is reduced on recent prices, but 2022 prices are raised on tighter expected supplies.

The milk production forecasts are projected lower for 2021 and 2022 on lower expected dairy cow numbers and slower growth in milk per cow. The 2021 fat basis import forecast is raised on higher imports of cheese and butterfat products while the export forecast is lowered on weaker sales of butterfat products. The 2021 skim-solids basis import forecast is unchanged, but the export forecast is raised on stronger global demand for lactose. For 2022, the fat basis and skim solid import forecasts are unchanged. The fat basis export forecast is raised due to stronger shipments of butterfat. The skim-solids basis export forecast is raised on larger shipments of lactose and other dairy products.

Butter, cheese, and whey price forecasts for 2021 are raised from last month on current prices and strength in demand. The nonfat dry milk (NDM) price forecast for 2021 is

unchanged. The 2021 Class III price forecast is raised on higher cheese and whey prices and the Class IV price forecast is raised on the higher butter price. The 2021 all milk price forecast is raised to \$18.60 per cwt. For 2022, cheese, butter, NDM, and whey price forecasts are raised on lower expected milk supplies. Class III and Class IV price forecasts for 2022 are raised on higher forecast dairy product prices. The all milk price for 2022 is raised to \$20.75 per cwt.

COTTON: The U.S. cotton 2021/22 supply and demand forecasts are largely unchanged this month, with only a slight increase in production. The U.S. production forecast is raised about 0.5 percent as higher yields in other regions offset lower yields for the Southwest. U.S. exports, mill use, and ending stocks are unchanged from their November forecasts. Upland cotton's projected season-average price is also unchanged from November, at 90 cents per pound, 36 percent above its year-earlier level.

Projected 2021/22 world cotton ending stocks are 1.2 million bales lower this month due to lower beginning stocks, lower production, and slightly higher consumption. Historical adjustments to Indian production over 2018-2020 reflect updated official estimates from India, resulting in a net 500,000-bale decline in 2021/22 beginning stocks there, and accounting for most of a 700,000-bale decline in global beginning stocks. Projected world production in 2021/22 is 200,000 bales lower this month as a 1.0 million bale drop in Pakistan more than offsets gains in Benin, Turkey, Uzbekistan, and Cameroon. World cotton trade is forecast 300,000 bales higher this month as higher expected imports for Pakistan, Vietnam, and smaller markets in Central America and Southeast Asia more than offset a 250,000-bale decline for China. Exports are projected higher for Brazil and the Franc Zone.

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:



SETH MEYER
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: Mark Simone, ICEC Chair, WAOB, mark.simone@usda.gov
Andrew Sowell, ERS; Rachel Trego, FAS; Pete Riley, FPAC.

Rice: Mark Simone, ICEC Chair, WAOB, mark.simone@usda.gov
Nathan Childs, ERS; Rachel Trego, FAS; Pete Riley, FPAC.

Feed Grains: Michael Jewison, ICEC Chair, WAOB, michael.jewison2@usda.gov
Michael McConnell, ERS; Yoonhee Macke, FAS; Sharon Raszap, FPAC.

Oilseeds: Keith Menzie, ICEC Chair, WAOB, keith.menzie@usda.gov
Maria Bukowski, ERS; Bill George, FAS; Gustavo Ferreira, FPAC.

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

Sugar: Stephen Haley, ICEC Chair, WAOB, stephen.haley2@usda.gov
Vida Abadam, ERS; Souleymane Diaby, FAS; Barbara Fecso, FPAC.

Meat Animals: Shayle Shagam, ICEC Chair, WAOB, shayle.shagam@usda.gov
Sherry Wise, AMS; Mildred Haley, ERS; Jacob Vuillemin, FAS; Georgi Gabrielyan, FPAC.

Poultry: Shayle Shagam, ICEC Chair, WAOB, shayle.shagam@usda.gov
Peyton Ferrier, AMS; Grace Grossen, ERS; Claire Mezoughem, FAS; Georgi Gabrielyan, FPAC.

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

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

TABLE OF CONTENTS

	Page
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 - 619 - 8

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

World			Output	Total Supply	Trade 2/	Total Use 3/	Ending Stocks
Total Grains 4/	2019/20		2677.38	3486.39	448.58	2671.93	814.46
	2020/21 (Est.)		2715.91	3530.37	479.34	2731.61	798.76
	2021/22 (Proj.)	Nov	2786.00	3582.74	504.21	2789.25	793.48
		Dec	2790.33	3589.09	509.01	2793.48	795.61
Wheat	2019/20		762.20	1042.91	194.35	746.93	295.98
	2020/21 (Est.)		775.90	1071.89	201.80	782.25	289.64
	2021/22 (Proj.)	Nov	775.28	1063.23	203.16	787.42	275.80
		Dec	777.89	1067.53	205.47	789.35	278.18
Coarse Grains 5/	2019/20		1416.33	1768.00	210.82	1431.29	336.70
	2020/21 (Est.)		1432.80	1769.50	227.69	1447.32	322.19
	2021/22 (Proj.)	Nov	1499.01	1820.30	251.39	1490.56	329.74
		Dec	1501.67	1823.85	253.81	1493.22	330.64
Rice, milled	2019/20		498.84	675.48	43.41	493.71	181.77
	2020/21 (Est.)		507.20	688.98	49.84	502.04	186.93
	2021/22 (Proj.)	Nov	511.72	699.21	49.66	511.27	187.94
		Dec	510.78	697.71	49.74	510.91	186.80
United States							
Total Grains 4/	2019/20		417.89	516.29	79.82	355.75	80.73
	2020/21 (Est.)		429.86	516.87	107.45	350.97	58.45
	2021/22 (Proj.)	Nov	448.89	513.71	98.17	358.01	57.53
		Dec	448.89	513.76	97.59	358.20	57.97
Wheat	2019/20		52.58	84.79	26.37	30.44	27.99
	2020/21 (Est.)		49.75	80.46	26.99	30.47	23.00
	2021/22 (Proj.)	Nov	44.79	70.92	23.41	31.65	15.87
		Dec	44.79	70.79	22.86	31.65	16.28
Coarse Grains 5/	2019/20		359.43	423.01	50.46	320.73	51.83
	2020/21 (Est.)		372.89	427.19	77.48	315.65	34.06
	2021/22 (Proj.)	Nov	397.95	434.13	71.91	321.67	40.56
		Dec	397.95	434.37	71.91	321.86	40.60
Rice, milled	2019/20		5.88	8.49	2.99	4.59	0.91
	2020/21 (Est.)		7.23	9.22	2.98	4.85	1.39
	2021/22 (Proj.)	Nov	6.15	8.65	2.86	4.68	1.11
		Dec	6.15	8.60	2.83	4.68	1.10

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 - 619 - 9

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

Foreign 3/		Output	Total Supply	Trade 2/	Total Use	Ending Stocks	
Total Grains 4/	2019/20	2,259.48	2,970.10	368.76	2,316.18	733.73	
	2020/21 (Est.)	2,286.05	3,013.50	371.89	2,380.64	740.31	
	2021/22 (Proj.)	Nov	2,337.11	3,069.03	406.05	2,431.25	735.95
		Dec	2,341.44	3,075.33	411.42	2,435.28	737.64
Wheat	2019/20	709.62	958.12	167.98	716.49	268.00	
	2020/21 (Est.)	726.15	991.42	174.82	751.77	266.64	
	2021/22 (Proj.)	Nov	730.49	992.30	179.76	755.77	259.94
		Dec	733.10	996.74	182.61	757.70	261.91
Coarse Grains 5/	2019/20	1,056.90	1,344.98	160.37	1,110.57	284.87	
	2020/21 (Est.)	1,059.92	1,342.31	150.21	1,131.67	288.12	
	2021/22 (Proj.)	Nov	1,101.06	1,386.17	179.48	1,168.89	289.18
		Dec	1,103.72	1,389.48	181.90	1,171.36	290.03
Rice, milled	2019/20	492.96	666.99	40.41	489.12	180.86	
	2020/21 (Est.)	499.98	679.76	46.86	497.19	185.55	
	2021/22 (Proj.)	Nov	505.57	690.55	46.80	506.58	186.83
		Dec	504.62	689.11	46.91	506.23	185.70

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

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

		Output	Total Supply	Trade 2/	Total Use 3/	Ending Stocks	
World	2019/20	120.99	200.68	41.17	103.07	97.28	
	2020/21 (Est.)	111.70	208.99	48.46	120.92	88.58	
	2021/22 (Proj.)	Nov	121.79	211.07	46.61	124.10	86.93
		Dec	121.57	210.14	46.95	124.27	85.73
United States	2019/20	19.91	24.77	15.51	2.15	7.25	
	2020/21 (Est.)	14.61	21.86	16.37	2.40	3.15	
	2021/22 (Proj.)	Nov	18.20	21.35	15.50	2.50	3.40
		Dec	18.28	21.44	15.50	2.50	3.40
Foreign 4/	2019/20	101.07	175.92	25.66	100.92	90.03	
	2020/21 (Est.)	97.10	187.13	32.08	118.52	85.43	
	2021/22 (Proj.)	Nov	103.59	189.72	31.11	121.60	83.53
		Dec	103.28	188.70	31.45	121.77	82.33

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 - 619 - 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	2019/20		580.75	714.64	190.77	508.37	112.56	
	2020/21 (Est.)		603.57	716.13	190.87	508.88	113.67	
	2021/22 (Proj.)	Nov	628.03	741.75	195.47	527.20	115.19	
		Dec	627.58	741.25	196.00	527.15	114.13	
	Oilmeals	2019/20		346.70	365.97	95.32	341.44	19.00
		2020/21 (Est.)		348.95	367.95	96.45	346.34	16.22
2021/22 (Proj.)		Nov	361.31	377.90	99.02	355.20	16.98	
	Dec	361.28	377.49	99.29	354.58	17.07		
Vegetable Oils	2019/20		207.28	233.09	86.79	202.21	26.76	
	2020/21 (Est.)		206.45	233.20	84.05	205.74	24.79	
	2021/22 (Proj.)	Nov	214.80	239.82	90.83	211.79	24.01	
		Dec	214.97	239.77	91.15	211.15	23.98	
United States								
Oilseeds	2019/20		106.98	134.74	46.97	63.04	15.96	
	2020/21 (Est.)		124.56	141.73	62.77	62.70	8.58	
	2021/22 (Proj.)	Nov	130.24	139.89	56.87	63.61	10.66	
		Dec	130.26	139.91	56.82	63.51	10.75	
Oilmeals	2019/20		48.76	53.31	12.83	40.09	0.39	
	2020/21 (Est.)		48.27	53.04	12.72	39.94	0.39	
	2021/22 (Proj.)	Nov	49.24	53.18	13.13	39.61	0.44	
		Dec	49.20	53.14	13.13	39.57	0.44	
Vegetable Oils	2019/20		12.64	18.71	1.50	16.00	1.21	
	2020/21 (Est.)		12.72	18.87	1.04	16.54	1.29	
	2021/22 (Proj.)	Nov	12.85	19.22	0.76	17.25	1.22	
		Dec	12.90	19.26	0.76	17.29	1.21	
Foreign 3/								
Oilseeds	2019/20		473.77	579.90	143.81	445.34	96.60	
	2020/21 (Est.)		479.01	574.40	128.10	446.17	105.08	
	2021/22 (Proj.)	Nov	497.80	601.86	138.60	463.60	104.53	
		Dec	497.32	601.34	139.18	463.64	103.39	
Oilmeals	2019/20		297.93	312.66	82.49	301.34	18.61	
	2020/21 (Est.)		300.68	314.90	83.73	306.40	15.82	
	2021/22 (Proj.)	Nov	312.07	324.72	85.89	315.59	16.54	
		Dec	312.08	324.35	86.16	315.01	16.63	
Vegetable Oils	2019/20		194.65	214.38	85.29	186.22	25.55	
	2020/21 (Est.)		193.73	214.33	83.02	189.20	23.50	
	2021/22 (Proj.)	Nov	201.95	220.60	90.07	194.55	22.79	
		Dec	202.07	220.50	90.39	193.86	22.77	

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

WASDE - 619 - 11

U.S. Wheat Supply and Use 1/

	2019/20	2020/21 Est.	2021/22 Proj. Nov	2021/22 Proj. Dec
			<i>Million Acres</i>	
Area Planted	45.5	44.5	46.7	46.7
Area Harvested	37.4	36.8	37.2	37.2
			<i>Bushels</i>	
Yield per Harvested Acre	51.7	49.7	44.3	44.3
			<i>Million Bushels</i>	
Beginning Stocks	1,080	1,028	845	845
Production	1,932	1,828	1,646	1,646
Imports	104	100	115	110
Supply, Total	3,116	2,957	2,606	2,601
Food	962	961	962	962
Seed	60	64	66	66
Feed and Residual	97	95	135	135
Domestic, Total	1,118	1,120	1,163	1,163
Exports	969	992	860	840
Use, Total	2,087	2,111	2,023	2,003
Ending Stocks	1,028	845	583	598
Avg. Farm Price (\$/bu) 2/	4.58	5.05	6.90	7.05

U.S. Wheat by Class: Supply and Use

Year beginning June 1		Hard Red Winter	Hard Red Spring	Soft Red Winter	White	Durum	Total
				<i>Million</i>			
				<i>Bushels</i>			
2020/21 (Est.)	Beginning Stocks	506	280	105	95	42	1,028
	Production	659	531	266	303	69	1,828
	Supply, Total 3/	1,169	858	376	404	148	2,957
	Domestic Use	402	339	222	64	93	1,120
	Exports	340	284	69	270	28	992
	Use, Total	742	623	291	334	121	2,111
	Ending Stocks, Total	428	235	85	70	27	845
2021/22 (Proj.)	Beginning Stocks	428	235	85	70	27	845
	Production	749	297	361	201	37	1,646
	Supply, Total 3/	1,182	582	451	276	110	2,601
	Domestic Use	523	245	238	80	78	1,163
	Exports	350	205	120	150	15	840
	Use, Total	873	450	358	230	93	2,003
	Ending Stocks, Total	309	132	93	46	17	598
		Dec					
		Nov					
		299	127	93	46	17	583

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 - 619 - 12

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

FEED GRAINS	2019/20	2020/21 Est.	2021/22 Proj.	2021/22 Proj.
			Nov	Dec
			<i>Million Acres</i>	
Area Planted	100.6	102.3	105.9	105.9
Area Harvested	89.1	90.6	94.2	94.2
			<i>Metric Tons</i>	
Yield per Harvested Acre	4.03	4.11	4.22	4.22
			<i>Million Metric Tons</i>	
Beginning Stocks	60.5	51.8	34.0	34.0
Production	359.2	372.6	397.7	397.7
Imports	2.8	2.2	2.0	2.1
Supply, Total	422.4	426.6	433.7	433.8
Feed and Residual	154.3	146.3	147.7	147.8
Food, Seed & Industrial	165.9	168.8	173.6	173.6
Domestic, Total	320.2	315.1	321.3	321.4
Exports	50.4	77.5	71.9	71.9
Use, Total	370.6	392.6	393.2	393.3
Ending Stocks	51.8	34.0	40.5	40.6
CORN				
			<i>Million Acres</i>	
Area Planted	89.7	90.7	93.3	93.3
Area Harvested	81.3	82.3	85.1	85.1
			<i>Bushels</i>	
Yield per Harvested Acre	167.5	171.4	177.0	177.0
			<i>Million Bushels</i>	
Beginning Stocks	2,221	1,919	1,236	1,236
Production	13,620	14,111	15,062	15,062
Imports	42	24	25	25
Supply, Total	15,883	16,055	16,323	16,323
Feed and Residual	5,900	5,601	5,650	5,650
Food, Seed & Industrial 2/	6,286	6,465	6,680	6,680
Ethanol & by-products 3/	4,857	5,028	5,250	5,250
Domestic, Total	12,186	12,066	12,330	12,330
Exports	1,777	2,753	2,500	2,500
Use, Total	13,963	14,819	14,830	14,830
Ending Stocks	1,919	1,236	1,493	1,493
Avg. Farm Price (\$/bu) 4/	3.56	4.53	5.45	5.45

Note: Totals may not add due to rounding. 1/ Marketing year beginning September 1 for corn and sorghum; June 1 for barley and oats. 2/ For a breakout of FSI corn uses, see Feed Outlook table 5 or access the data on the Web through the Feed Grains Database at www.ers.usda.gov/data-products/feed-grains-database.aspx. 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 - 619 - 13

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

SORGHUM	2019/20	2020/21 Est.	2021/22 Proj.	2021/22 Proj.
			Nov	Dec
	<i>Million Bushels</i>			
Area Planted (mil. acres)	5.3	5.9	7.3	7.3
Area Harvested (mil. acres)	4.7	5.1	6.5	6.5
Yield (bushels/acre)	73.0	73.2	72.3	72.3
Beginning Stocks	64	30	20	20
Production	341	373	471	471
Imports	0	0	0	0
Supply, Total	405	403	492	492
Feed and Residual	97	89	125	125
Food, Seed & Industrial	75	10	10	10
Total Domestic	172	99	135	135
Exports	203	284	320	320
Use, Total	375	383	455	455
Ending Stocks	30	20	37	37
Avg. Farm Price (\$/bu) 2/	3.34	5.04	5.45	5.45
BARLEY				
Area Planted (mil. acres)	2.8	2.7	2.7	2.7
Area Harvested (mil. acres)	2.2	2.2	1.9	1.9
Yield (bushels/acre)	77.7	77.2	60.4	60.4
Beginning Stocks	87	80	71	71
Production	172	171	118	118
Imports	7	7	7	7
Supply, Total	266	258	196	196
Feed and Residual	38	26	10	10
Food, Seed & Industrial	142	147	115	115
Total Domestic	180	172	125	125
Exports	6	14	11	11
Use, Total	186	186	136	136
Ending Stocks	80	71	60	60
Avg. Farm Price (\$/bu) 2/	4.69	4.75	5.15	5.15
OATS				
Area Planted (mil. acres)	2.8	3.0	2.6	2.6
Area Harvested (mil. acres)	0.8	1.0	0.7	0.7
Yield (bushels/acre)	64.3	65.1	61.3	61.3
Beginning Stocks	38	37	38	38
Production	53	66	40	40
Imports	92	85	69	77
Supply, Total	183	188	147	155
Feed and Residual	63	68	40	45
Food, Seed & Industrial	82	78	80	80
Total Domestic	144	147	120	125
Exports	2	3	2	2
Use, Total	146	150	122	127
Ending Stocks	37	38	25	28
Avg. Farm Price (\$/bu) 2/	2.82	2.77	3.65	3.70

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 - 619 - 14

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

TOTAL RICE	2019/20	2020/21 Est.	2021/22 Proj. Nov	2021/22 Proj. Dec
		<i>Million Acres</i>		
Area Planted	2.55	3.04	2.54	2.54
Area Harvested	2.48	2.99	2.50	2.50
		<i>Pounds</i>		
Yield per Harvested Acre	7,473	7,619	7,756	7,756
		<i>Million Hundredweight</i>		
Beginning Stocks 2/	44.9	28.7	43.7	43.7
Production	185.1	227.6	193.8	193.8
Imports	37.3	34.1	35.0	33.5
Supply, Total	267.3	290.3	272.5	271.0
Domestic & Residual 3/	144.4	152.7	147.5	147.5
Exports, Total 4/	94.2	93.9	90.0	89.0
Rough	31.3	34.6	33.0	34.0
Milled (rough equiv.)	62.9	59.3	57.0	55.0
Use, Total	238.6	246.6	237.5	236.5
Ending Stocks	28.7	43.7	35.0	34.5
Avg. Milling Yield (%) 5/	70.00	70.00	70.00	70.00
Avg. Farm Price (\$/cwt) 6/	13.60	14.00	14.80	14.80
LONG-GRAIN RICE				
Harvested Acres (mil.)	1.73	2.30		
Yield (pounds/acre)	7,261	7,422		
Beginning Stocks	32.6	16.9	29.7	29.7
Imports	29.8	27.4	27.0	26.0
Production	125.6	170.9	146.7	146.7
Supply, Total 7/	188.0	215.1	203.5	202.5
Domestic & Residual 3/	106.3	120.3	115.0	115.0
Exports 8/	64.8	65.1	64.0	64.0
Use, Total	171.1	185.4	179.0	179.0
Ending Stocks	16.9	29.7	24.5	23.5
Avg. Farm Price (\$/cwt) 6/	12.00	12.60	13.00	13.10
MEDIUM & SHORT-GRAIN RICE				
Harvested Acres (mil.)	0.75	0.69		
Yield (pounds/acre)	7,964	8,282		
Beginning Stocks	10.2	10.7	11.5	11.5
Imports	7.6	6.7	8.0	7.5
Production	59.5	56.7	47.1	47.1
Supply, Total 7/	78.3	72.7	66.5	66.0
Domestic & Residual 3/	38.2	32.4	32.5	32.5
Exports 8/	29.4	28.8	26.0	25.0
Use, Total	67.6	61.2	58.5	57.5
Ending Stocks	10.7	11.5	8.0	8.5
Avg. Farm Price (\$/cwt) 1/ 6/ 9/	18.20	18.80	20.10	20.00
California 10/	21.60	20.90	23.00	23.00
Other States 1/	11.60	13.10	14.00	13.70

Note: Totals may not add due to rounding. 1/ Marketing year beginning August 1. 2/ Includes the following quantities of broken kernel rice (type undetermined) not included in estimates of ending stocks by type (in mil. cwt): 2017/18-1.4; 2018/19-2.1; 2019/20-1.0. 3/ Residual includes unreported use, processing losses, and estimating errors. Use by type may not add to total rice use because of the difference in brokens between beginning and ending stocks. 4/ Includes rough rice and milled rice exports. Milled rice exports are converted to an equivalent rough basis. 5/ Expressed as a percent, i.e., the total quantity of whole kernel and broken rice produced divided by the quantity of rough rice milled. 6/ Marketing-year weighted average price received by farmers. 7/ Includes imports. 8/ Exports by type of rice are estimated. 9/ The California medium/short-grain season-average- farm price (SAFP) largely reflects rice that is marketed through price pools in California. The pool price is not final until all the rice in the pool is marketed for the crop year. Therefore, SAFP forecasts based on the average of NASS monthly prices and the final price may differ. 10/ Marketing year beginning October 1.

WASDE - 619 - 15

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

SOYBEANS	2019/20	2020/21 Est.	2021/22 Proj. Nov	2021/22 Proj. Dec
		<i>Million Acres</i>		
Area Planted	76.1	83.4	87.2	87.2
Area Harvested	74.9	82.6	86.4	86.4
		<i>Bushels</i>		
Yield per Harvested Acre	47.4	51.0	51.2	51.2
		<i>Million Bushels</i>		
Beginning Stocks	909	525	256	256
Production	3,552	4,216	4,425	4,425
Imports	15	20	15	15
Supply, Total	4,476	4,761	4,696	4,696
Crushings	2,165	2,141	2,190	2,190
Exports	1,679	2,265	2,050	2,050
Seed	97	101	102	102
Residual	11	-3	15	15
Use, Total	3,952	4,505	4,356	4,356
Ending Stocks	525	256	340	340
Avg. Farm Price (\$/bu) 2/	8.57	10.80	12.10	12.10
SOYBEAN OIL				
		<i>Million Pounds</i>		
Beginning Stocks	1,775	1,853	2,177	2,131
Production 4/	24,911	25,023	25,535	25,735
Imports	320	302	450	450
Supply, Total	27,006	27,177	28,162	28,316
Domestic Disappearance	22,317	23,323	25,000	25,150
Biofuel 3/	8,658	8,850	11,000	11,000
Food, Feed & other Industrial	13,659	14,473	14,000	14,150
Exports	2,837	1,723	1,250	1,250
Use, Total	25,154	25,046	26,250	26,400
Ending stocks	1,853	2,131	1,912	1,916
Avg. Price (c/lb) 2/	29.65	56.87	65.00	65.00
SOYBEAN MEAL				
		<i>Thousand Short Tons</i>		
Beginning Stocks	402	341	341	341
Production 4/	51,100	50,565	51,709	51,709
Imports	639	783	450	450
Supply, Total	52,142	51,689	52,500	52,500
Domestic Disappearance	37,967	37,580	37,900	37,900
Exports	13,834	13,768	14,200	14,200
Use, Total	51,801	51,348	52,100	52,100
Ending Stocks	341	341	400	400
Avg. Price (\$/s.t.) 2/	299.50	392.31	325.00	330.00

Note: Totals may not add due to rounding. Reliability calculations at end of report. 1/ Marketing year beginning September 1 for soybeans; October 1 for soybean oil and soybean meal. 2/ Prices: soybeans, marketing year weighted average price received by farmers; oil, simple average of crude soybean oil, Decatur; meal, simple average of 48 percent protein, Decatur. 3/ Reflects soybean oil used for biofuels as reported by the U.S. Energy Information Administration. 4/ Based on an October year crush of 2,134 million bushels for 2020/21 and 2,190 million bushels for 2021/22.

WASDE - 619 - 16

U.S. Sugar Supply and Use 1/

	2019/20	2020/21 Est.	2021/22 Proj. Nov	2021/22 Proj. Dec
	<i>1,000 Short Tons, Raw Value</i>			
Beginning Stocks	1,783	1,618	1,728	1,702
Production 2/	8,149	9,230	9,332	9,241
Beet Sugar	4,351	5,092	5,413	5,393
Cane Sugar	3,798	4,139	3,919	3,847
Florida	2,106	2,089	2,005	2,005
Louisiana	1,566	1,916	1,784	1,712
Texas	126	134	130	130
Imports	4,165	3,195	3,045	3,076
TRQ 3/	2,152	1,749	1,611	1,611
Other Program 4/	432	292	250	250
Other 5/	1,581	1,154	1,184	1,215
Mexico	1,376	967	1,084	1,065
Total Supply	14,097	14,043	14,105	14,018
Exports	61	49	35	35
Deliveries	12,344	12,252	12,305	12,305
Food	12,246	12,135	12,200	12,200
Other 6/	98	116	105	105
Miscellaneous	74	40	0	0
Total Use	12,479	12,341	12,340	12,340
Ending Stocks	1,618	1,702	1,765	1,678
Stocks to Use Ratio	13.0	13.8	14.3	13.6

1/ Fiscal years beginning Oct 1. Data and projections correspond to category components from "Sweetener Market Data" (SMD). 2/ Production projections for 2020/21 and 2021/22 are based on Crop Production and/or processor projections/industry data and/or sugar ICEC analysis where appropriate. 3/ For 2020/21, WTO raw sugar TRQ shortfall (55) and for 2021/22 (251). 4/ Composed of sugar under the re-export and polyhydric alcohol programs. 5/ Imports from Mexico; and high-tier tariff sugar and syrups not otherwise specified -- for 2019/20 (206), 2020/21 (187), and 2021/22 (150). 6/ Transfers accompanying deliveries for sugar-containing products to be exported (SCP) and polyhydric alcohol manufacture (POLY), and deliveries for livestock feed and ethanol. Total refiner license transfers for SCP and POLY inclusive of WASDE-reported deliveries: 2019/20 -- 298; estimated 2020/21 -- 298; projected 2021/22 -- 358.

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

		Beginning Stocks	Production	Imports	Domestic 2/	Exports	Ending Stocks	
		<i>1,000 Metric Tons, Actual Weight</i>						
Sugar	2020/21 Est.	Nov	858	5,715	65	4,420	1,165	1,053
		Dec	858	5,715	65	4,420	1,165	1,053
2021/22 Proj.		Nov	1,053	5,979	63	4,401	1,777	917
		Dec	1,053	5,979	63	4,401	1,777	917

1/ HFCS consumption by Mexico (1,000 metric tons, dry basis): 2019/20 = 1,388; Estimated 2020/21 = 1,320; Projected 2021/22 = 1,310; Estimated Oct 2021 = 103, Oct 2020 = 117. Footnote source for estimate: Comité Nacional para el Desarrollo Sustentable de la Cana de Azúcar. 2/ Includes deliveries for consumption, Mexico's products export program (IMMEX), and Other Deliveries/Ending Year Statistical Adjustments. IMMEX: 2020/21 (485 est = 451 dom. + 33 import); 2021/22 (486 proj = 451 dom. + 35 import). Statistical Adjustments: 2020/21 (0), 2021/22 (0).

WASDE - 619 - 17

U.S. Cotton Supply and Use 1/

	2019/20	2020/21 Est.	2021/22 Proj. Nov	2021/22 Proj. Dec
Area		<i>Million Acres</i>		
Planted	13.74	12.09	11.19	11.19
Harvested	11.50	8.27	9.92	9.92
		<i>Pounds</i>		
Yield per Harvested Acre	831	847	880	885
		<i>Million 480 Pound Bales</i>		
Beginning Stocks	4.85	7.25	3.15	3.15
Production	19.91	14.61	18.20	18.28
Imports	0.00	0.00	0.01	0.01
Supply, Total	24.77	21.86	21.35	21.44
Domestic Use	2.15	2.40	2.50	2.50
Exports, Total	15.51	16.37	15.50	15.50
Use, Total	17.66	18.77	18.00	18.00
Unaccounted 2/	-0.15	-0.06	-0.05	0.04
Ending Stocks	7.25	3.15	3.40	3.40
Avg. Farm Price 3/	59.6	66.3	90.0	90.0

Note: Reliability calculations at end of report. 1/ Upland and extra-long staple; marketing year beginning August 1. Totals may not add due to rounding. 2/ Reflects the difference between the previous season's supply less total use and ending stocks. 3/ Cents per pound for upland cotton.

WASDE - 619 - 18

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

2019/20	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	280.71	762.20	188.17	139.20	746.93	194.35	295.98
World Less China	142.62	628.60	182.79	120.20	620.93	193.31	145.97
United States	29.39	52.58	2.83	2.63	30.44	26.37	27.99
Total Foreign	251.33	709.62	185.34	136.57	716.49	167.98	268.00
Major Exporters 4/	37.35	308.51	7.55	73.38	179.16	141.84	32.41
Argentina	1.74	19.78	0.01	0.05	6.35	12.79	2.39
Australia	4.44	14.48	0.89	4.50	8.00	9.14	2.68
Canada	6.04	32.67	0.68	4.13	9.26	24.63	5.50
European Union 5/	15.80	138.80	5.55	45.50	107.25	39.79	13.11
Russia	7.78	73.61	0.33	17.00	40.00	34.49	7.23
Ukraine	1.56	29.17	0.09	2.20	8.30	21.02	1.50
Major Importers 6/	178.71	201.29	122.78	37.09	297.91	13.21	191.67
Bangladesh	1.26	1.20	6.80	0.30	7.50	0.00	1.76
Brazil	1.06	5.20	7.03	0.50	12.10	0.43	0.76
China	138.09	133.60	5.38	19.00	126.00	1.05	150.02
Japan	1.08	1.10	5.68	0.65	6.37	0.29	1.21
N. Africa 7/	15.54	18.40	27.74	1.85	46.25	1.07	14.36
Nigeria	0.20	0.06	5.34	0.05	4.90	0.40	0.30
Sel. Mideast 8/	10.76	20.95	18.49	3.60	38.47	0.78	10.94
Southeast Asia 9/	5.95	0.00	26.46	7.94	25.37	1.13	5.91
Selected Other							
India	16.99	103.60	0.02	6.00	95.40	0.51	24.70
Kazakhstan	1.71	11.45	0.58	1.30	6.10	6.99	0.66
United Kingdom	1.91	15.60	1.75	7.70	15.20	1.62	2.44
2020/21 Est.							
World 3/	295.98	775.90	194.18	157.70	782.25	201.80	289.64
World Less China	145.97	641.65	183.56	117.70	632.25	201.04	145.52
United States	27.99	49.75	2.73	2.59	30.47	26.99	23.00
Total Foreign	268.00	726.15	191.45	155.11	751.77	174.82	266.64
Major Exporters 4/	32.41	323.83	6.66	72.83	179.43	146.74	36.72
Argentina	2.39	17.65	0.01	0.05	6.35	11.40	2.29
Australia	2.68	33.30	0.20	4.50	8.00	23.85	4.33
Canada	5.50	35.18	0.55	4.18	9.13	26.41	5.69
European Union 5/	13.11	126.93	5.38	42.50	104.75	29.74	10.93
Russia	7.23	85.35	0.40	19.00	42.50	38.50	11.98
Ukraine	1.50	25.42	0.13	2.60	8.70	16.85	1.51
Major Importers 6/	191.67	201.00	124.86	57.38	323.92	12.62	180.99
Bangladesh	1.76	1.18	7.20	0.50	8.00	0.00	2.14
Brazil	0.76	6.25	6.40	0.40	12.05	0.93	0.43
China	150.02	134.25	10.62	40.00	150.00	0.76	144.12
Japan	1.21	1.00	5.49	0.65	6.35	0.30	1.05
N. Africa 7/	14.36	16.60	28.50	1.75	46.82	0.80	11.84
Nigeria	0.30	0.06	6.59	0.05	5.55	0.60	0.79
Sel. Mideast 8/	10.94	20.43	17.74	3.54	38.95	0.62	9.54
Southeast Asia 9/	5.91	0.00	25.64	7.09	24.85	1.14	5.56
Selected Other							
India	24.70	107.86	0.02	6.50	102.22	2.56	27.80
Kazakhstan	0.66	14.26	0.80	1.45	6.25	8.19	1.28
United Kingdom	2.44	9.66	3.22	5.96	13.46	0.45	1.42

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

WASDE - 619 - 19

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

2021/22 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Nov	287.95	775.28	201.05	158.56	787.42	203.16	275.80
	Dec	289.64	777.89	202.96	160.60	789.35	205.47	278.18
World Less China	Nov	143.83	638.38	191.05	122.56	638.42	202.16	134.78
	Dec	145.52	640.94	193.46	124.60	640.85	204.57	137.01
United States	Nov	23.00	44.79	3.13	3.67	31.65	23.41	15.87
	Dec	23.00	44.79	2.99	3.67	31.65	22.86	16.28
Total Foreign	Nov	264.95	730.49	197.92	154.89	755.77	179.76	259.94
	Dec	266.64	733.10	199.97	156.93	757.70	182.61	261.91
Major Exporters 4/	Nov	35.08	318.40	6.80	73.45	180.05	148.50	31.73
	Dec	36.72	322.85	6.70	75.00	181.50	151.20	33.58
Argentina	Nov	2.49	20.00	0.00	0.05	6.45	13.50	2.54
	Dec	2.29	20.00	0.00	0.05	6.45	13.50	2.34
Australia	Nov	3.38	31.50	0.20	4.50	8.00	23.50	3.58
	Dec	4.33	34.00	0.20	5.00	8.50	25.50	4.53
Canada	Nov	5.69	21.00	0.70	2.80	7.90	15.00	4.49
	Dec	5.69	21.65	0.70	2.80	7.90	15.00	5.14
European Union 5/	Nov	10.04	138.40	5.30	45.00	107.50	36.50	9.74
	Dec	10.93	138.70	5.20	45.75	107.90	37.00	9.93
Russia	Nov	11.98	74.50	0.50	18.00	41.00	36.00	9.98
	Dec	11.98	75.50	0.50	18.50	41.75	36.00	10.23
Ukraine	Nov	1.51	33.00	0.10	3.10	9.20	24.00	1.41
	Dec	1.51	33.00	0.10	2.90	9.00	24.20	1.41
Major Importers 6/	Nov	180.99	207.17	132.00	55.04	327.39	13.52	179.25
	Dec	180.99	205.72	134.00	55.74	327.89	13.42	179.40
Bangladesh	Nov	2.14	1.13	7.40	0.60	8.45	0.00	2.22
	Dec	2.14	1.13	7.40	0.60	8.45	0.00	2.22
Brazil	Nov	0.43	7.90	6.50	0.80	12.60	1.30	0.93
	Dec	0.43	7.90	6.50	0.80	12.60	1.30	0.93
China	Nov	144.12	136.90	10.00	36.00	149.00	1.00	141.02
	Dec	144.12	136.95	9.50	36.00	148.50	0.90	141.17
Japan	Nov	1.05	1.10	5.60	0.63	6.30	0.30	1.15
	Dec	1.05	1.10	5.60	0.63	6.30	0.30	1.15
N. Africa 7/	Nov	11.84	21.59	28.30	1.95	47.80	1.01	12.92
	Dec	11.84	21.59	28.30	1.95	47.80	1.01	12.92
Nigeria	Nov	0.79	0.09	6.00	0.05	5.75	0.60	0.53
	Dec	0.79	0.09	6.20	0.05	5.85	0.60	0.63
Sel. Mideast 8/	Nov	9.54	18.99	22.55	4.07	40.10	0.71	10.27
	Dec	9.54	17.49	23.95	4.07	40.10	0.71	10.17
Southeast Asia 9/	Nov	5.56	0.00	25.45	6.80	24.75	1.16	5.10
	Dec	5.56	0.00	26.05	7.20	25.35	1.16	5.10
Selected Other								
India	Nov	27.80	109.52	0.03	7.00	104.50	5.00	27.85
	Dec	27.80	109.52	0.03	7.00	104.25	5.25	27.85
Kazakhstan	Nov	1.28	12.00	0.80	1.25	6.05	7.20	0.83
	Dec	1.28	12.00	0.80	1.25	6.05	7.20	0.83
United Kingdom	Nov	1.42	14.30	2.00	7.50	15.30	0.70	1.72
	Dec	1.42	14.30	2.00	7.35	15.30	0.70	1.72

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 - 619 - 20

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

2019/20	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	351.66	1,416.33	205.07	882.86	1,431.29	210.82	336.70
World Less China	141.27	1,148.15	187.59	682.04	1,136.22	210.78	135.76
United States	60.47	359.43	3.11	154.53	320.73	50.45	51.83
Total Foreign	291.19	1,056.90	201.96	728.34	1,110.57	160.37	284.87
Major Exporters 4/	19.62	307.96	4.58	134.43	179.34	128.59	24.23
Argentina	3.62	58.13	0.02	12.12	17.78	39.31	4.68
Australia	2.43	12.00	0.01	5.71	7.67	3.87	2.89
Brazil	5.67	105.82	2.31	61.71	72.84	35.23	5.72
Canada	3.29	28.61	1.92	17.23	24.93	4.91	3.98
Russia	1.22	40.50	0.18	22.29	31.39	8.63	1.87
Ukraine	2.04	46.55	0.03	8.89	11.89	34.08	2.65
Major Importers 5/	37.34	248.15	142.37	293.04	375.18	15.98	36.70
European Union 6/	14.51	152.66	19.42	119.75	158.79	13.65	14.15
Japan	1.75	0.23	17.63	13.91	17.87	0.00	1.74
Mexico	5.78	32.10	17.60	30.83	50.31	1.03	4.14
N. Afr & Mideast 7/	7.39	33.22	41.65	64.98	73.45	0.69	8.12
Saudi Arabia	1.70	0.20	11.22	11.05	11.40	0.00	1.72
Southeast Asia 8/	3.38	29.40	18.20	38.50	46.55	0.61	3.82
South Korea	1.86	0.28	11.98	9.55	12.09	0.00	2.02
Selected Other							
China	210.40	268.18	17.48	200.82	295.07	0.04	200.94
2020/21 Est.							
World 3/	336.70	1,432.80	234.55	903.71	1,447.32	227.69	322.19
World Less China	135.76	1,164.78	184.01	682.86	1,135.02	227.69	115.00
United States	51.83	372.89	2.48	146.47	315.65	77.48	34.06
Total Foreign	284.87	1,059.92	232.07	757.24	1,131.67	150.21	288.12
Major Exporters 4/	24.23	295.01	6.13	136.08	182.77	121.04	21.56
Argentina	4.68	58.97	0.02	11.73	17.46	43.40	2.80
Australia	2.89	16.70	0.00	5.18	7.14	10.11	2.33
Brazil	5.72	90.96	4.00	64.52	76.46	18.51	5.72
Canada	3.98	29.64	1.90	16.74	24.69	7.22	3.61
Russia	1.87	41.40	0.09	21.47	31.04	10.44	1.87
Ukraine	2.65	39.59	0.07	9.16	12.32	28.15	1.85
Major Importers 5/	36.70	252.32	136.64	294.00	376.41	13.18	36.08
European Union 6/	14.15	155.07	15.87	120.15	159.58	11.42	14.09
Japan	1.74	0.23	16.98	13.32	17.20	0.00	1.75
Mexico	4.14	32.66	17.15	30.34	49.84	0.51	3.60
N. Afr & Mideast 7/	8.12	33.42	37.69	62.95	71.16	0.67	7.40
Saudi Arabia	1.72	0.19	10.03	10.25	10.61	0.00	1.33
Southeast Asia 8/	3.82	30.45	22.54	42.82	51.10	0.57	5.14
South Korea	2.02	0.22	11.81	9.55	12.05	0.00	2.01
Selected Other							
China	200.94	268.02	50.53	220.85	312.30	0.01	207.19

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

WASDE - 619 - 21

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

2021/22 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Nov	321.30	1,499.01	231.36	918.93	1,490.56	251.39	329.74
	Dec	322.19	1,501.67	234.48	921.50	1,493.22	253.81	330.64
World Less China	Nov	114.11	1,218.61	184.96	686.13	1,167.96	251.34	118.40
	Dec	115.00	1,221.72	187.78	688.40	1,170.32	253.76	119.75
United States	Nov	34.06	397.95	2.12	147.71	321.67	71.91	40.56
	Dec	34.06	397.95	2.36	147.90	321.86	71.91	40.60
Total Foreign	Nov	287.23	1,101.06	229.24	771.22	1,168.89	179.48	289.18
	Dec	288.12	1,103.72	232.12	773.60	1,171.36	181.90	290.03
Major Exporters 4/	Nov	21.50	331.14	5.48	137.46	183.26	151.09	23.78
	Dec	21.56	334.65	5.49	138.52	184.24	153.01	24.44
Argentina	Nov	2.69	63.88	0.01	12.45	18.12	44.81	3.64
	Dec	2.80	63.88	0.01	12.45	18.12	44.80	3.76
Australia	Nov	2.27	15.70	0.00	5.26	7.32	9.38	1.27
	Dec	2.33	16.95	0.00	5.70	7.77	10.18	1.34
Brazil	Nov	5.72	122.02	2.20	65.59	77.53	43.03	9.39
	Dec	5.72	122.02	2.20	65.59	77.53	43.03	9.39
Canada	Nov	3.62	23.95	3.11	17.04	24.33	3.85	2.50
	Dec	3.61	24.21	3.11	17.25	24.50	3.95	2.49
Russia	Nov	1.88	38.40	0.10	21.00	29.95	9.18	1.25
	Dec	1.87	38.40	0.10	21.00	29.95	9.18	1.25
Ukraine	Nov	1.96	49.59	0.03	8.72	11.96	37.65	1.97
	Dec	1.85	51.59	0.03	9.12	12.33	38.68	2.46
Major Importers 5/	Nov	35.39	249.46	137.61	293.86	376.35	13.71	32.41
	Dec	36.08	248.96	139.57	294.49	377.65	14.11	32.85
European Union 6/	Nov	13.40	155.30	16.41	120.03	159.00	12.05	14.06
	Dec	14.09	155.20	16.44	119.38	159.00	12.56	14.17
Japan	Nov	1.75	0.25	17.24	13.83	17.77	0.00	1.46
	Dec	1.75	0.25	17.24	13.83	17.77	0.00	1.46
Mexico	Nov	3.49	33.75	17.55	30.86	50.34	0.70	3.75
	Dec	3.60	33.75	17.60	30.89	50.39	0.60	3.96
N. Afr & Mideast 7/	Nov	7.43	30.05	40.76	62.77	71.44	0.42	6.38
	Dec	7.40	29.65	42.34	63.82	72.49	0.42	6.49
Saudi Arabia	Nov	1.33	0.20	10.01	9.86	10.21	0.00	1.33
	Dec	1.33	0.20	10.31	10.06	10.41	0.00	1.43
Southeast Asia 8/	Nov	5.23	29.61	19.45	42.45	50.75	0.55	2.99
	Dec	5.14	29.61	19.45	42.45	50.75	0.54	2.92
South Korea	Nov	2.01	0.22	11.61	9.55	12.06	0.00	1.78
	Dec	2.01	0.22	11.61	9.55	12.06	0.00	1.78
Selected Other								
China	Nov	207.19	280.40	46.40	232.80	322.60	0.05	211.34
	Dec	207.19	279.95	46.70	233.10	322.90	0.05	210.89

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

WASDE - 619 - 22

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

2019/20	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	322.37	1,119.71	167.76	715.77	1,135.79	172.33	306.29
World Less China	112.19	858.93	160.18	522.77	857.79	172.32	105.76
United States	56.41	345.96	1.06	149.87	309.55	45.13	48.76
Total Foreign	265.96	773.74	166.69	565.90	826.24	127.20	257.53
Major Exporters 4/	9.97	219.01	1.73	88.40	110.40	107.03	13.27
Argentina	2.37	51.00	0.00	9.50	13.50	36.25	3.62
Brazil	5.31	102.00	1.65	58.50	68.50	35.23	5.23
Russia	0.38	14.28	0.05	8.80	9.80	4.07	0.83
South Africa	1.02	15.84	0.00	6.40	12.20	2.55	2.12
Ukraine	0.89	35.89	0.03	5.20	6.40	28.93	1.48
Major Importers 5/	22.24	129.30	93.95	163.15	217.65	7.04	20.81
Egypt	1.81	6.40	10.43	14.40	16.90	0.01	1.73
European Union 6/	7.64	66.74	17.38	59.10	79.00	5.39	7.38
Japan	1.45	0.00	15.89	12.40	15.95	0.00	1.39
Mexico	5.16	26.66	16.53	25.60	43.80	1.03	3.52
Southeast Asia 7/	3.37	29.35	17.26	37.70	45.55	0.61	3.81
South Korea	1.84	0.08	11.88	9.50	11.80	0.00	2.00
Selected Other							0.00
Canada	1.98	13.40	1.84	8.64	13.96	0.71	2.56
China	210.18	260.78	7.58	193.00	278.00	0.01	200.53
2020/21 Est.							
World 3/	306.29	1,122.80	186.48	724.61	1,136.40	177.45	292.69
World Less China	105.76	862.13	156.96	521.61	851.40	177.45	86.98
United States	48.76	358.45	0.62	142.26	306.49	69.92	31.41
Total Foreign	257.53	764.36	185.86	582.35	829.91	107.53	261.28
Major Exporters 4/	13.27	198.57	3.57	93.00	116.10	88.06	11.25
Argentina	3.62	50.50	0.01	10.00	14.00	38.50	1.62
Brazil	5.23	87.00	3.50	61.00	72.00	18.50	5.23
Russia	0.83	13.87	0.04	8.90	10.00	4.00	0.74
South Africa	2.12	16.90	0.01	7.20	13.00	3.20	2.83
Ukraine	1.48	30.30	0.02	5.90	7.10	23.86	0.83
Major Importers 5/	20.81	131.40	92.84	163.85	219.00	4.78	21.27
Egypt	1.73	6.40	9.47	13.90	16.40	0.01	1.19
European Union 6/	7.38	67.09	14.49	57.20	77.60	3.72	7.65
Japan	1.39	0.00	15.48	11.90	15.40	0.00	1.47
Mexico	3.52	27.35	16.50	25.60	43.80	0.48	3.08
Southeast Asia 7/	3.81	30.40	20.69	41.15	49.20	0.57	5.13
South Korea	2.00	0.08	11.71	9.50	11.80	0.00	1.99
Selected Other							0.00
Canada	2.56	13.56	1.58	8.62	14.01	1.52	2.17
China	200.53	260.67	29.51	203.00	285.00	0.00	205.70

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

WASDE - 619 - 23

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

2021/22 Proj.		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Nov	291.87	1,204.62	183.42	747.23	1,192.07	203.47	304.42
	Dec	292.69	1,208.73	185.45	750.78	1,195.88	204.86	305.54
World Less China	Nov	86.16	931.62	157.42	533.23	898.07	203.45	93.73
	Dec	86.98	936.18	159.45	536.78	901.88	204.84	95.31
United States	Nov	31.41	382.59	0.64	143.52	313.20	63.50	37.94
	Dec	31.41	382.59	0.64	143.52	313.20	63.50	37.94
Total Foreign	Nov	260.46	822.03	182.78	603.72	878.88	139.97	266.48
	Dec	261.28	826.14	184.82	607.27	882.68	141.36	267.61
Major Exporters 4/	Nov	11.32	242.50	1.77	94.90	118.20	121.20	16.19
	Dec	11.25	244.50	1.77	95.30	118.60	122.20	16.72
Argentina	Nov	1.62	54.50	0.01	10.50	14.50	39.00	2.63
	Dec	1.62	54.50	0.01	10.50	14.50	39.00	2.63
Brazil	Nov	5.23	118.00	1.70	62.00	73.00	43.00	8.93
	Dec	5.23	118.00	1.70	62.00	73.00	43.00	8.93
Russia	Nov	0.74	15.00	0.05	9.80	10.90	4.50	0.39
	Dec	0.74	15.00	0.05	9.80	10.90	4.50	0.39
South Africa	Nov	2.83	17.00	0.00	7.30	13.30	3.20	3.33
	Dec	2.83	17.00	0.00	7.30	13.30	3.20	3.33
Ukraine	Nov	0.90	38.00	0.02	5.30	6.50	31.50	0.91
	Dec	0.83	40.00	0.02	5.70	6.90	32.50	1.45
Major Importers 5/	Nov	20.61	131.97	91.00	165.00	219.60	5.65	18.33
	Dec	21.27	134.47	91.30	166.80	222.20	6.04	18.80
Egypt	Nov	1.32	6.40	10.00	13.90	16.40	0.01	1.32
	Dec	1.19	6.40	10.30	14.20	16.70	0.01	1.19
European Union 6/	Nov	6.89	67.85	15.00	58.20	78.00	4.40	7.34
	Dec	7.65	70.35	15.00	59.70	80.30	4.90	7.80
Japan	Nov	1.47	0.01	15.60	12.30	15.85	0.00	1.22
	Dec	1.47	0.01	15.60	12.30	15.85	0.00	1.22
Mexico	Nov	2.96	28.00	17.00	26.00	44.20	0.70	3.06
	Dec	3.08	28.00	17.00	26.00	44.20	0.60	3.28
Southeast Asia 7/	Nov	5.22	29.56	17.40	40.60	48.65	0.55	2.98
	Dec	5.13	29.56	17.40	40.60	48.65	0.54	2.91
South Korea	Nov	1.99	0.08	11.50	9.50	11.80	0.00	1.77
	Dec	1.99	0.08	11.50	9.50	11.80	0.00	1.77
Selected Other								
Canada	Nov	2.18	14.00	3.00	11.00	16.20	1.00	1.98
	Dec	2.17	13.98	3.00	11.00	16.20	1.00	1.95
China	Nov	205.70	273.00	26.00	214.00	294.00	0.02	210.68
	Dec	205.70	272.55	26.00	214.00	294.00	0.02	210.24

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

WASDE - 619 - 24

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

2019/20	Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	176.64	498.84	42.33	493.71	43.41	181.77
World Less China	61.64	352.11	39.73	348.48	40.81	65.27
United States	1.42	5.88	1.19	4.59	2.99	0.91
Total Foreign	175.22	492.96	41.14	489.12	40.41	180.86
Major Exporters 4/	36.69	183.69	0.66	149.30	30.51	41.22
Burma	1.06	12.65	0.00	10.40	2.30	1.01
India	29.50	118.87	0.00	101.95	12.52	33.90
Pakistan	0.95	7.41	0.01	3.40	3.82	1.15
Thailand	4.08	17.66	0.25	12.30	5.71	3.98
Vietnam	1.10	27.10	0.40	21.25	6.17	1.18
Major Importers 5/	127.82	239.80	13.97	249.85	3.18	128.56
China	115.00	146.73	2.60	145.23	2.60	116.50
European Union 6/	1.19	1.99	2.00	3.39	0.53	1.26
Indonesia	4.06	34.70	0.55	36.00	0.00	3.31
Nigeria	1.22	5.04	1.40	6.85	0.00	0.81
Philippines	3.52	11.93	2.45	14.30	0.00	3.60
Sel. Mideast 7/	0.89	2.34	3.97	5.98	0.00	1.22
Selected Other						0.00
Brazil	0.25	7.60	0.87	7.30	1.22	0.21
C. Amer & Carib 8/	0.61	1.60	1.87	3.39	0.04	0.64
Egypt	0.95	4.30	0.30	4.30	0.02	1.23
Japan	2.05	7.61	0.71	8.35	0.03	1.98
Mexico	0.15	0.18	0.80	0.94	0.02	0.18
South Korea	1.09	3.74	0.45	4.10	0.06	1.14

2020/21 Est.

World 3/	181.77	507.20	46.40	502.04	49.84	186.93
World Less China	65.27	358.90	41.90	351.47	47.62	70.43
United States	0.91	7.23	1.08	4.85	2.98	1.39
Total Foreign	180.86	499.98	45.32	497.19	46.86	185.55
Major Exporters 4/	41.22	189.26	1.86	148.41	37.74	46.19
Burma	1.01	12.60	0.00	10.55	1.80	1.26
India	33.90	122.27	0.00	100.01	20.17	36.00
Pakistan	1.15	8.18	0.01	3.70	3.88	1.76
Thailand	3.98	18.86	0.20	12.70	5.70	4.64
Vietnam	1.18	27.34	1.65	21.45	6.20	2.52
Major Importers 5/	128.56	240.72	17.08	255.55	2.69	128.12
China	116.50	148.30	4.50	150.58	2.22	116.50
European Union 6/	1.26	1.95	1.78	3.40	0.44	1.16
Indonesia	3.31	35.30	0.60	35.80	0.00	3.41
Nigeria	0.81	4.89	1.90	6.90	0.00	0.70
Philippines	3.60	12.42	2.20	14.45	0.00	3.76
Sel. Mideast 7/	1.22	2.31	3.35	5.88	0.00	1.00
Selected Other						0.00
Brazil	0.21	8.00	0.70	7.45	0.85	0.61
C. Amer & Carib 8/	0.64	1.60	1.69	3.34	0.04	0.55
Egypt	1.23	4.00	0.24	4.30	0.01	1.16
Japan	1.98	7.57	0.69	8.25	0.08	1.91
Mexico	0.18	0.20	0.80	0.96	0.02	0.20
South Korea	1.14	3.51	0.45	4.00	0.06	1.04

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

WASDE - 619 - 25

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

2021/22 Proj.		Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	Nov	187.49	511.72	47.36	511.27	49.66	187.94
	Dec	186.93	510.78	47.81	510.91	49.74	186.80
World Less China	Nov	70.99	362.72	42.86	356.37	47.56	74.94
	Dec	70.43	361.79	43.31	356.02	47.64	73.80
United States	Nov	1.39	6.15	1.11	4.68	2.86	1.11
	Dec	1.39	6.15	1.06	4.68	2.83	1.10
Total Foreign	Nov	186.10	505.57	46.25	506.58	46.80	186.83
	Dec	185.55	504.62	46.75	506.23	46.91	185.70
Major Exporters 4/	Nov	46.46	192.40	0.71	152.45	37.70	49.42
	Dec	46.19	192.20	0.71	152.40	37.80	48.90
Burma	Nov	1.36	12.60	0.00	10.70	1.80	1.47
	Dec	1.26	12.60	0.00	10.65	1.90	1.32
India	Nov	36.00	125.00	0.00	103.50	19.00	38.50
	Dec	36.00	125.00	0.00	103.50	19.00	38.50
Pakistan	Nov	1.79	8.20	0.01	3.90	4.00	2.10
	Dec	1.76	8.20	0.01	3.90	4.00	2.07
Thailand	Nov	4.74	19.50	0.20	13.00	6.50	4.94
	Dec	4.64	19.30	0.20	13.00	6.50	4.64
Vietnam	Nov	2.57	27.10	0.50	21.35	6.40	2.42
	Dec	2.52	27.10	0.50	21.35	6.40	2.37
Major Importers 5/	Nov	128.24	243.14	17.63	260.62	2.60	125.80
	Dec	128.12	242.34	18.13	260.76	2.56	125.27
China	Nov	116.50	149.00	4.50	154.90	2.10	113.00
	Dec	116.50	148.99	4.50	154.89	2.10	113.00
European Union 6/	Nov	1.15	1.89	1.93	3.44	0.48	1.06
	Dec	1.16	1.85	1.93	3.44	0.44	1.06
Indonesia	Nov	3.41	35.35	0.60	35.60	0.00	3.76
	Dec	3.41	35.35	0.60	35.60	0.00	3.76
Nigeria	Nov	0.70	5.00	2.00	6.95	0.00	0.75
	Dec	0.70	5.00	2.00	6.95	0.00	0.75
Philippines	Nov	3.76	12.30	2.20	14.55	0.00	3.71
	Dec	3.76	12.30	2.50	14.85	0.00	3.71
Sel. Mideast 7/	Nov	1.12	2.15	3.85	5.98	0.00	1.15
	Dec	1.00	2.15	3.75	5.83	0.00	1.07
Selected Other	Nov	0.61	8.02	0.65	7.45	1.05	0.78
	Dec	0.61	8.02	0.65	7.45	1.05	0.78
C. Amer & Carib 8/	Nov	0.56	1.65	1.89	3.44	0.02	0.63
	Dec	0.55	1.65	1.85	3.41	0.02	0.62
Egypt	Nov	1.28	2.90	0.90	4.25	0.01	0.82
	Dec	1.16	2.90	0.90	4.25	0.01	0.71
Japan	Nov	1.91	7.56	0.69	8.20	0.07	1.88
	Dec	1.91	7.56	0.69	8.20	0.07	1.88
Mexico	Nov	0.20	0.22	0.80	0.97	0.01	0.24
	Dec	0.20	0.22	0.80	0.97	0.01	0.24
South Korea	Nov	1.04	3.82	0.41	3.95	0.06	1.26
	Dec	1.04	3.88	0.41	3.95	0.06	1.33

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

WASDE - 619 - 26

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

2019/20	Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	79.70	120.99	40.81	103.07	41.17	-0.04	97.28
World Less China	44.03	93.74	33.67	70.07	41.02	-0.04	60.38
United States	4.85	19.91	3/	2.15	15.51	-0.15	7.25
Total Foreign	74.85	101.07	40.81	100.92	25.66	0.11	90.03
Major Exporters 4/	27.93	57.40	2.92	28.17	21.17	0.02	38.89
Central Asia 5/	2.28	5.96	3/	3.92	1.78	0.00	2.55
Afr. Fr. Zone 6/	1.40	5.80	3/	0.13	4.60	0.00	2.46
S. Hemis. 7/	15.34	16.69	0.14	3.56	11.34	0.01	17.25
Australia	1.57	0.63	3/	0.04	1.36	0.00	0.80
Brazil	12.26	13.78	0.01	2.70	8.94	0.00	14.40
India	8.60	28.50	2.28	20.00	3.20	0.00	16.18
Major Importers 8/	44.95	40.62	35.44	69.04	3.19	0.09	48.69
Mexico	0.69	1.57	0.59	1.48	0.66	0.03	0.69
China	35.67	27.25	7.14	33.00	0.16	0.00	36.90
European Union 9/	0.29	2.00	0.58	0.59	1.82	0.01	0.44
Turkey	1.69	3.45	4.67	6.60	0.45	0.00	2.77
Pakistan	2.50	6.20	3.98	9.40	0.06	0.03	3.19
Indonesia	0.53	3/	2.51	2.40	0.00	0.00	0.64
Thailand	0.20	3/	0.70	0.78	0.00	0.02	0.10
Bangladesh	1.78	0.14	7.50	6.90	0.00	0.01	2.52
Vietnam	1.23	3/	6.48	6.60	0.00	0.00	1.11
2020/21 Est.							
World	97.28	111.70	49.01	120.92	48.46	0.04	88.58
World Less China	60.38	82.20	36.15	80.92	48.45	0.04	49.33
United States	7.25	14.61	3/	2.40	16.37	-0.06	3.15
Total Foreign	90.03	97.10	49.01	118.52	32.08	0.10	85.43
Major Exporters 4/	38.89	54.23	1.60	33.95	27.54	0.02	33.21
Central Asia 5/	2.55	5.80	0.01	4.17	1.97	0.00	2.21
Afr. Fr. Zone 6/	2.46	4.79	3/	0.13	5.10	0.00	2.02
S. Hemis. 7/	17.25	15.69	0.14	4.03	13.73	0.01	15.32
Australia	0.80	2.80	3/	0.04	1.56	0.00	2.00
Brazil	14.40	10.82	0.01	3.10	11.01	0.00	11.12
India	16.18	27.60	0.84	25.00	6.19	0.00	13.44
Major Importers 8/	48.69	39.75	45.06	80.73	3.10	0.08	49.59
Mexico	0.69	1.02	0.93	1.70	0.49	0.03	0.43
China	36.90	29.50	12.86	40.00	0.01	0.00	39.25
European Union 9/	0.44	1.68	0.56	0.59	1.96	0.01	0.13
Turkey	2.77	2.90	5.33	7.70	0.59	0.00	2.71
Pakistan	3.19	4.50	5.33	10.70	0.03	0.03	2.27
Indonesia	0.64	3/	2.31	2.50	0.01	0.00	0.45
Thailand	0.10	3/	0.60	0.61	0.00	0.02	0.08
Bangladesh	2.52	0.15	8.75	8.50	0.00	0.01	2.90
Vietnam	1.11	3/	7.31	7.30	0.00	0.00	1.12

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

WASDE - 619 - 27

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

2021/22 Proj.		Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	Nov	89.28	121.79	46.62	124.10	46.61	0.06	86.93
	Dec	88.58	121.57	46.94	124.27	46.95	0.13	85.73
World Less China	Nov	50.03	95.04	36.12	84.10	46.56	0.06	50.48
	Dec	49.33	94.82	36.69	84.27	46.90	0.13	49.53
United States	Nov	3.15	18.20	0.01	2.50	15.50	-0.05	3.40
	Dec	3.15	18.28	0.01	2.50	15.50	0.04	3.40
Total Foreign	Nov	86.13	103.59	46.62	121.60	31.11	0.11	83.53
	Dec	85.43	103.28	46.94	121.77	31.45	0.10	82.33
Major Exporters 4/	Nov	33.88	60.78	1.78	35.03	26.97	0.02	34.42
	Dec	33.21	61.23	1.78	35.15	27.24	0.02	33.80
Central Asia 5/	Nov	2.21	5.48	0.02	4.28	1.46	0.00	1.96
	Dec	2.21	5.68	0.02	4.38	1.51	0.00	2.01
Afr. Fr. Zone 6/	Nov	2.20	5.92	3/	0.13	5.94	0.00	2.04
	Dec	2.02	6.17	3/	0.13	5.98	0.00	2.07
S. Hemis. 7/	Nov	15.32	20.93	0.16	4.20	13.33	0.01	18.87
	Dec	15.32	20.93	0.16	4.23	13.50	0.01	18.67
Australia	Nov	2.00	5.30	3/	0.04	3.90	0.00	3.37
	Dec	2.00	5.30	3/	0.04	3.90	0.00	3.37
Brazil	Nov	11.12	13.20	0.03	3.20	8.10	0.00	13.04
	Dec	11.12	13.20	0.03	3.20	8.30	0.00	12.84
India	Nov	13.94	28.00	1.00	25.80	5.80	0.00	11.34
	Dec	13.44	28.00	1.00	25.80	5.80	0.00	10.84
Major Importers 8/	Nov	49.62	39.70	42.21	82.54	2.48	0.09	46.43
	Dec	49.59	38.94	42.51	82.59	2.53	0.08	45.85
Mexico	Nov	0.43	1.05	1.08	1.80	0.30	0.03	0.43
	Dec	0.43	1.05	1.08	1.80	0.30	0.03	0.43
China	Nov	39.25	26.75	10.50	40.00	0.05	0.00	36.45
	Dec	39.25	26.75	10.25	40.00	0.05	0.00	36.20
European Union 9/	Nov	0.13	1.44	0.60	0.62	1.41	0.00	0.14
	Dec	0.13	1.48	0.60	0.62	1.46	0.00	0.13
Turkey	Nov	2.71	3.60	5.20	8.40	0.65	0.00	2.46
	Dec	2.71	3.80	5.20	8.50	0.65	0.00	2.56
Pakistan	Nov	2.27	6.70	5.00	11.40	0.05	0.03	2.49
	Dec	2.27	5.70	5.30	11.10	0.05	0.03	2.09
Indonesia	Nov	0.45	3/	2.50	2.50	0.01	0.00	0.44
	Dec	0.45	3/	2.50	2.50	0.01	0.00	0.44
Thailand	Nov	0.11	3/	0.60	0.58	0.00	0.03	0.10
	Dec	0.08	3/	0.65	0.63	0.00	0.02	0.08
Bangladesh	Nov	2.90	0.15	8.30	8.80	0.00	0.01	2.54
	Dec	2.90	0.15	8.30	8.80	0.00	0.01	2.54
Vietnam	Nov	1.12	3/	7.30	7.30	0.00	0.00	1.13
	Dec	1.12	3/	7.50	7.50	0.00	0.00	1.13

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

WASDE - 619 - 28

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

2019/20		Beginning Stocks	Production	Imports	Domestic Crush	Domestic Total	Exports	Ending Stocks
World 2/		114.09	339.88	164.97	312.42	358.35	165.06	95.53
World Less China		94.63	321.79	66.44	220.92	249.15	164.97	68.74
United States		24.74	96.67	0.42	58.91	61.85	45.70	14.28
Total Foreign		89.35	243.21	164.56	253.51	296.51	119.36	81.25
Major Exporters 3/		61.73	189.54	5.45	89.09	99.05	110.68	46.99
Argentina		28.89	48.80	4.88	38.77	45.92	10.00	26.65
Brazil		32.47	128.50	0.55	46.74	49.39	92.14	20.00
Paraguay		0.35	10.25	0.01	3.50	3.66	6.62	0.33
Major Importers 4/		22.06	21.76	131.88	120.00	145.86	0.34	29.49
China		19.46	18.09	98.53	91.50	109.20	0.09	26.79
European Union		1.52	2.62	14.95	15.60	17.32	0.23	1.54
Southeast Asia		0.71	0.60	9.32	4.50	9.81	0.02	0.80
Mexico		0.18	0.24	5.75	6.00	6.05	0.00	0.11
2020/21 Est.								
World 2/		95.53	366.23	165.84	315.77	363.04	164.75	99.81
World Less China		68.74	346.63	66.08	222.77	251.44	164.68	65.32
United States		14.28	114.75	0.54	58.26	60.94	61.66	6.97
Total Foreign		81.25	251.48	165.30	257.51	302.10	103.09	92.84
Major Exporters 3/		46.99	195.81	5.85	90.28	100.37	95.08	53.20
Argentina		26.65	46.20	4.82	40.16	47.41	5.19	25.06
Brazil		20.00	138.00	1.02	46.75	49.42	81.65	27.95
Paraguay		0.33	9.90	0.01	3.30	3.47	6.60	0.17
Major Importers 4/		29.49	23.24	133.29	122.23	149.11	0.27	36.63
China		26.79	19.60	99.76	93.00	111.60	0.07	34.48
European Union		1.54	2.58	14.80	15.90	17.62	0.19	1.11
Southeast Asia		0.80	0.58	9.64	4.81	10.24	0.02	0.77
Mexico		0.11	0.25	6.00	6.20	6.25	0.00	0.10
2021/22 Proj.								
World 2/	Nov	100.11	384.01	169.78	328.82	378.03	172.09	103.78
	Dec	99.81	381.78	169.78	327.75	377.03	172.34	102.00
World Less China	Nov	65.62	365.01	69.78	230.82	260.33	171.99	68.09
	Dec	65.32	365.38	69.78	230.75	260.33	172.24	67.92
United States	Nov	6.97	120.43	0.41	59.60	62.77	55.79	9.25
	Dec	6.97	120.43	0.41	59.60	62.77	55.79	9.25
Total Foreign	Nov	93.14	263.58	169.37	269.21	315.27	116.30	94.53
	Dec	92.84	261.36	169.37	268.14	314.27	116.55	92.75
Major Exporters 3/	Nov	53.20	206.60	5.47	93.53	103.76	108.38	53.13
	Dec	53.20	206.10	5.47	93.18	103.41	108.23	53.13
Argentina	Nov	25.06	49.50	4.80	42.00	49.40	5.35	24.61
	Dec	25.06	49.50	4.80	42.00	49.40	5.35	24.61
Brazil	Nov	27.95	144.00	0.65	47.70	50.35	94.00	28.25
	Dec	27.95	144.00	0.65	47.70	50.35	94.00	28.25
Paraguay	Nov	0.17	10.50	0.01	3.75	3.93	6.50	0.26
	Dec	0.17	10.00	0.01	3.40	3.58	6.35	0.26
Major Importers 4/	Nov	36.66	22.82	134.40	127.73	155.72	0.35	37.82
	Dec	36.63	20.22	134.40	126.73	154.75	0.35	36.16
China	Nov	34.49	19.00	100.00	98.00	117.70	0.10	35.69
	Dec	34.48	16.40	100.00	97.00	116.70	0.10	34.08
European Union	Nov	1.09	2.75	15.00	15.90	17.62	0.23	1.00
	Dec	1.11	2.75	15.00	15.90	17.62	0.23	1.01
Southeast Asia	Nov	0.82	0.53	9.90	4.98	10.41	0.02	0.82
	Dec	0.77	0.53	9.90	4.98	10.44	0.02	0.74
Mexico	Nov	0.10	0.30	6.20	6.40	6.45	0.00	0.15
	Dec	0.10	0.30	6.20	6.40	6.45	0.00	0.15

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

WASDE - 619 - 29

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

2019/20		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		15.01	245.59	61.97	240.73	67.62	14.22
World Less China		15.01	173.12	61.92	169.22	66.60	14.22
United States		0.37	46.36	0.58	34.44	12.55	0.31
Total Foreign		14.64	199.23	61.39	206.28	55.07	13.91
Major Exporters 3/		6.91	73.19	0.03	27.37	45.85	6.91
Argentina		2.99	30.24	0.00	3.20	27.46	2.57
Brazil		3.54	36.23	0.01	18.50	17.50	3.78
India		0.38	6.72	0.02	5.67	0.89	0.57
Major Importers 4/		2.28	22.40	37.28	59.20	0.99	1.76
European Union		0.91	12.32	16.33	28.29	0.87	0.40
Mexico		0.26	4.75	1.82	6.73	0.01	0.10
Southeast Asia 5/		1.00	3.51	17.27	20.64	0.11	1.04
China		0.00	72.47	0.05	71.51	1.01	0.00
2020/21 Est.							
World 2/		14.22	248.28	63.58	244.96	68.70	12.42
World Less China		14.22	174.63	63.50	172.28	67.65	12.42
United States		0.31	45.87	0.71	34.09	12.49	0.31
Total Foreign		13.91	202.41	62.87	210.87	56.21	12.11
Major Exporters 3/		6.91	75.16	0.25	28.46	46.94	6.92
Argentina		2.57	31.32	0.00	3.33	28.32	2.24
Brazil		3.78	36.24	0.02	19.14	16.60	4.30
India		0.57	7.60	0.24	6.00	2.03	0.38
Major Importers 4/		1.76	22.97	37.39	59.67	1.17	1.28
European Union		0.40	12.57	16.53	28.54	0.81	0.15
Mexico		0.10	4.90	1.90	6.78	0.01	0.12
Southeast Asia 5/		1.04	3.75	17.12	20.77	0.36	0.79
China		0.00	73.66	0.07	72.68	1.05	0.00
2021/22 Proj.							
World 2/	Nov	12.69	258.52	65.72	252.98	70.85	13.09
	Dec	12.42	257.61	65.72	251.95	70.80	13.00
World Less China	Nov	12.69	180.90	65.66	176.41	69.75	13.09
	Dec	12.42	180.79	65.66	176.17	69.70	13.00
United States	Nov	0.31	46.91	0.41	34.38	12.88	0.36
	Dec	0.31	46.91	0.41	34.38	12.88	0.36
Total Foreign	Nov	12.38	211.61	65.31	218.60	57.97	12.73
	Dec	12.11	210.70	65.31	217.57	57.92	12.64
Major Exporters 3/	Nov	7.02	77.75	0.85	30.03	48.40	7.18
	Dec	6.92	77.72	0.75	29.75	48.40	7.24
Argentina	Nov	2.24	32.75	0.00	3.40	29.30	2.29
	Dec	2.24	32.75	0.00	3.40	29.30	2.29
Brazil	Nov	4.30	36.97	0.02	20.00	17.00	4.28
	Dec	4.30	36.97	0.02	20.00	17.00	4.28
India	Nov	0.48	8.03	0.83	6.63	2.10	0.61
	Dec	0.38	8.00	0.73	6.35	2.10	0.67
Major Importers 4/	Nov	1.31	23.36	38.13	60.32	1.09	1.38
	Dec	1.28	23.31	38.23	60.43	1.09	1.30
European Union	Nov	0.29	12.57	17.00	28.59	0.85	0.41
	Dec	0.15	12.57	17.00	28.59	0.85	0.28
Mexico	Nov	0.12	5.06	1.93	7.00	0.01	0.09
	Dec	0.12	5.06	1.93	7.00	0.01	0.09
Southeast Asia 5/	Nov	0.80	3.88	17.40	21.07	0.24	0.77
	Dec	0.79	3.88	17.50	21.23	0.24	0.71
China	Nov	0.00	77.62	0.06	76.58	1.10	0.00
	Dec	0.00	76.82	0.06	75.78	1.10	0.00

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

WASDE - 619 - 30

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

2019/20		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		4.36	58.53	11.40	57.24	12.32	4.74
World Less China		3.86	42.13	10.40	40.14	12.16	4.09
United States		0.81	11.30	0.15	10.12	1.29	0.84
Total Foreign		3.55	47.23	11.25	47.11	11.03	3.90
Major Exporters 3/		1.07	20.33	0.55	12.42	8.12	1.41
Argentina		0.43	7.70	0.00	2.18	5.40	0.55
Brazil		0.32	9.00	0.07	7.77	1.16	0.47
European Union		0.26	2.96	0.48	2.43	0.93	0.35
Major Importers 4/		1.23	19.43	7.04	25.89	0.47	1.34
China		0.50	16.40	1.00	17.09	0.16	0.65
India		0.14	1.51	3.63	5.12	0.02	0.14
North Africa 5/		0.32	1.05	1.79	2.47	0.29	0.40
2020/21 Est.							
World 2/		4.74	59.27	11.60	59.03	12.39	4.19
World Less China		4.09	42.61	10.37	41.23	12.35	3.49
United States		0.84	11.35	0.14	10.58	0.78	0.97
Total Foreign		3.90	47.92	11.46	48.45	11.61	3.23
Major Exporters 3/		1.41	20.55	0.74	12.56	9.05	1.08
Argentina		0.55	7.90	0.00	2.04	6.14	0.27
Brazil		0.47	9.00	0.25	7.96	1.27	0.49
European Union		0.35	3.02	0.49	2.51	1.05	0.30
Major Importers 4/		1.34	19.91	6.74	26.65	0.21	1.12
China		0.65	16.67	1.23	17.81	0.04	0.70
India		0.14	1.71	3.24	4.93	0.01	0.15
North Africa 5/		0.40	1.02	1.60	2.66	0.13	0.23
2021/22 Proj.							
World 2/	Nov	4.34	61.74	11.89	61.34	12.58	4.05
	Dec	4.19	61.64	11.59	60.69	12.72	4.01
World Less China	Nov	3.64	44.18	10.79	42.88	12.43	3.30
	Dec	3.49	44.26	10.49	42.41	12.57	3.26
United States	Nov	0.99	11.58	0.20	11.34	0.57	0.87
	Dec	0.97	11.67	0.20	11.41	0.57	0.87
Total Foreign	Nov	3.35	50.16	11.69	50.00	12.01	3.18
	Dec	3.23	49.97	11.39	49.28	12.15	3.15
Major Exporters 3/	Nov	1.18	21.26	0.53	12.75	9.14	1.08
	Dec	1.08	21.20	0.55	12.62	9.23	0.98
Argentina	Nov	0.27	8.35	0.00	2.10	6.25	0.27
	Dec	0.27	8.35	0.00	2.10	6.25	0.27
Brazil	Nov	0.49	9.18	0.08	7.99	1.30	0.46
	Dec	0.49	9.18	0.10	7.86	1.45	0.46
European Union	Nov	0.40	3.02	0.45	2.61	0.95	0.32
	Dec	0.30	3.02	0.45	2.61	0.95	0.22
Major Importers 4/	Nov	1.15	21.18	7.11	27.84	0.42	1.19
	Dec	1.12	21.00	6.78	27.27	0.42	1.22
China	Nov	0.70	17.56	1.10	18.46	0.15	0.75
	Dec	0.70	17.38	1.10	18.28	0.15	0.75
India	Nov	0.15	1.80	3.73	5.50	0.02	0.16
	Dec	0.15	1.80	3.40	5.10	0.02	0.24
North Africa 5/	Nov	0.21	1.20	1.60	2.57	0.25	0.20
	Dec	0.23	1.20	1.60	2.57	0.25	0.22

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 - 619 - 31

U.S. Quarterly Animal Product Production 1/

Year and Quarter		Beef	Pork	Red Meat 2/	Broiler	Turkey	Total Poultry 3/	Red Meat & Poultry	Egg	Milk	
		<i>Million Pounds</i>								<i>Mil doz</i>	<i>Bil lbs</i>
2020	IV	7,069	7,515	14,633	11,047	1,451	12,630	27,263	2,371	55.6	
	Annual	27,174	28,303	55,680	44,583	5,743	50,876	106,556	9,283	223.2	
2021	I	6,895	7,291	14,235	10,893	1,390	12,410	26,645	2,306	56.8	
	II	6,957	6,668	13,673	11,231	1,399	12,770	26,443	2,303	58.1	
	III	6,978	6,529	13,551	11,581	1,403	13,124	26,675	2,332	55.9	
	IV*	7,065	7,245	14,358	11,025	1,400	12,555	26,913	2,400	55.4	
	Annual										
	Nov Proj.	27,885	27,678	55,751	44,828	5,612	50,981	106,732	9,345	226.4	
	Dec Proj.	27,895	27,733	55,817	44,730	5,592	50,859	106,676	9,341	226.2	
2022	I*	6,895	6,980	13,925	11,150	1,390	12,675	26,600	2,345	56.8	
	II*	6,730	6,480	13,259	11,400	1,405	12,950	26,209	2,345	58.2	
	III*	6,720	6,825	13,592	11,690	1,420	13,255	26,847	2,365	56.4	
	Annual										
		Nov Proj.	27,000	27,585	54,779	45,240	5,700	51,490	106,269	9,470	228.1
	Dec Proj.	27,000	27,595	54,790	45,500	5,640	51,695	106,485	9,480	227.7	

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

U.S. Quarterly Prices for Animal Products

Year and Quarter		Steers 2/	Barrows and gilts 3/	Broilers 4/	Turkeys 5/	Eggs 6/	Milk 7/
		<i>Dol./cwt</i>	<i>Dol./cwt</i>	<i>Cents/lb.</i>	<i>Cents/lb.</i>	<i>Cents/doz.</i>	<i>Dol./cwt</i>
2020	IV	108.18	50.75	75.7	113.6	107.2	19.80
	Annual	108.51	43.18	73.2	106.5	112.2	18.24
2021	I	112.98	55.71	84.0	110.1	127.8	17.33
	II	120.75	80.92	104.4	117.7	94.2	18.67
	III	123.51	76.15	105.4	129.7	120.1	18.00
	IV*	133.00	56.00	108.0	131.0	125.0	20.45
	Annual						
	Nov Proj.	121.31	67.45	99.7	123.1	116.8	18.50
	Dec Proj.	122.56	67.20	100.4	122.1	116.8	18.60
2022	I*	138.00	62.00	110.0	124.0	121.0	21.20
	II*	134.00	64.00	106.0	122.0	110.0	20.65
	III*	132.00	60.00	97.0	123.0	111.0	20.05
	Annual						
		Nov Proj.	130	60	99	122	117
	Dec Proj.	135	60	102	123	117	20.75

*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 - 619 - 32

U.S. Meats Supply and Use

		Beginning Production		Imports	Total Supply	Exports	Ending Stocks	Total Use	Per Capita
		stocks	1/						
<i>Million Pounds /4</i>									
Beef	2020	642	27,244	3,342	31,227	2,951	716	27,561	58.4
	2021 Proj. Nov	716	27,955	3,260	31,930	3,455	640	27,835	58.8
	Dec	716	27,965	3,315	31,995	3,455	640	27,900	58.9
	2022 Proj. Nov	640	27,070	3,240	30,950	3,270	640	27,040	57.0
	Dec	640	27,070	3,265	30,975	3,270	640	27,065	57.0
Pork	2020	646	28,318	904	29,869	7,280	467	22,121	52.0
	2021 Proj. Nov	467	27,693	1,145	29,306	7,193	480	21,633	50.7
	Dec	467	27,748	1,160	29,376	7,163	485	21,728	50.9
	2022 Proj. Nov	480	27,600	1,175	29,255	7,405	495	21,355	49.9
	Dec	485	27,610	1,190	29,285	7,405	500	21,380	49.9
Total Red Meat 5/	2020	1,330	55,774	4,547	61,651	10,235	1,217	50,199	111.8
	2021 Proj. Nov	1,217	55,846	4,762	61,825	10,651	1,150	50,024	110.9
	Dec	1,217	55,911	4,842	61,971	10,621	1,155	50,195	111.3
	2022 Proj. Nov	1,150	54,874	4,761	60,785	10,678	1,170	48,936	108.3
	Dec	1,155	54,885	4,818	60,858	10,678	1,173	49,006	108.4
Broiler	2020	937	44,106	145	45,188	7,367	830	36,991	96.2
	2021 Proj. Nov	830	44,348	147	45,325	7,545	760	37,020	96.0
	Dec	830	44,251	149	45,230	7,545	760	36,925	95.7
	2022 Proj. Nov	760	44,756	145	45,661	7,465	775	37,421	96.7
	Dec	760	45,013	145	45,918	7,500	785	37,633	97.3
Turkey	2020	233	5,743	21	5,997	571	223	5,203	15.8
	2021 Proj. Nov	223	5,612	22	5,857	566	195	5,096	15.4
	Dec	223	5,592	22	5,837	561	195	5,081	15.3
	2022 Proj. Nov	195	5,700	21	5,916	570	200	5,146	15.5
	Dec	195	5,640	21	5,856	565	200	5,091	15.3
Total Poultry 6/	2020	1,175	50,398	167	51,740	8,013	1,057	42,670	113.4
	2021 Proj. Nov	1,057	50,501	172	51,730	8,162	961	42,607	112.8
	Dec	1,057	50,380	175	51,612	8,157	961	42,494	112.5
	2022 Proj. Nov	961	51,005	169	52,135	8,091	980	43,064	113.7
	Dec	961	51,208	169	52,338	8,121	990	43,227	114.1
Red Meat & Poultry	2020	2,504	106,172	4,715	113,391	18,248	2,274	92,869	225.3
	2021 Proj. Nov	2,274	106,346	4,934	113,555	18,813	2,111	92,631	223.8
	Dec	2,274	106,291	5,017	113,582	18,778	2,116	92,689	223.8
	2022 Proj. Nov	2,111	105,879	4,930	112,920	18,769	2,150	92,001	222.0
	Dec	2,116	106,092	4,987	113,195	18,799	2,163	92,233	222.5

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 - 619 - 33

U.S. Egg Supply and Use

	2019	2020	2021 Proj. Nov	2021 Proj. Dec	2022 Proj. Nov	2022 Proj. Dec
Eggs	<i>Million Dozen</i>					
Supply						
Beginning Stocks	22.7	31.6	24.5	24.5	20.0	20.0
Production	9,441.8	9,283.4	9,345.2	9,340.7	9,470.0	9,480.0
Imports	14.6	15.5	17.9	17.8	16.0	16.0
Total Supply	9,479.1	9,330.5	9,387.5	9,383.0	9,506.0	9,516.0
Use						
Exports	333.8	344.0	417.0	417.0	380.0	380.0
Hatching Use	1,081.2	1,078.5	1,107.1	1,107.0	1,140.0	1,155.0
Ending Stocks	31.6	24.5	20.0	20.0	23.0	23.0
Disappearance						
Total	8,032.5	7,883.5	7,843.4	7,839.0	7,963.0	7,958.0
Per Capita (number)	293.4	286.5	284.0	283.9	287.5	287.4

U.S. Milk Supply and Use

	2019	2020	2021 Proj. Nov	2021 Proj. Dec	2022 Proj. Nov	2022 Proj. Dec
Milk	<i>Billion Pounds</i>					
Production	218.4	223.2	226.4	226.2	228.1	227.7
Farm Use	1.0	1.1	1.1	1.1	1.1	1.1
Fat Basis Supply						
Beg. Commercial Stocks	13.8	13.6	15.6	15.6	14.9	14.7
Marketings	217.4	222.1	225.3	225.2	227.0	226.6
Imports	6.9	6.8	6.4	6.5	6.5	6.5
Total Cml. Supply	238.1	242.5	247.4	247.3	248.5	247.9
Fat Basis Use						
Commercial Exports	9.1	9.3	11.9	11.8	11.4	11.5
Ending Commercial Stocks	13.6	15.6	14.9	14.7	14.7	14.5
CCC Donations	0.2	0.3	0.0	0.0	0.0	0.0
Domestic Commercial Use	215.2	217.4	220.6	220.9	222.3	221.8
Skim-solid Basis Supply						
Beg. Commercial Stocks	10.7	10.2	10.9	10.9	11.0	10.9
Marketings	217.4	222.1	225.3	225.2	227.0	226.6
Imports	5.8	5.6	5.7	5.7	5.5	5.5
Total Cml. Supply	233.9	237.9	241.9	241.7	243.5	243.0
Skim-solid Basis Use						
Commercial Exports	41.5	47.2	51.4	51.5	51.8	52.0
Ending Commercial Stocks	10.2	10.9	11.0	10.9	10.9	10.9
CCC Donations	0.2	0.1	0.0	0.0	0.0	0.0
Domestic Commercial Use	182.0	179.7	179.5	179.3	180.8	180.1

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 - 619 - 34

U.S. Dairy Prices

	2019	2020	2021 Proj. Nov	2021 Proj. Dec	2022 Proj. Nov	2022 Proj. Dec
Product Prices 1/	<i>Dollars Per Pound</i>					
Cheese	1.7586	1.9236	1.670	1.675	1.765	1.775
Butter	2.2431	1.5808	1.720	1.730	1.910	1.940
Nonfat Dry Milk	1.0419	1.0417	1.270	1.270	1.485	1.510
Dry Whey	0.3799	0.3621	0.570	0.575	0.530	0.575
	<i>Dollars Per Cwt</i>					
Milk Prices 2/						
Class III	16.96	18.16	16.95	17.05	17.75	18.15
Class IV	16.30	13.49	16.00	16.05	18.70	19.00
All Milk 3/	18.65	18.24	18.50	18.60	20.25	20.75

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 - 619 - 35

Reliability of December Projections 1/

Note: Tables on pages 35-37 present a record of the December 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 0.8 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 1.3 percent. The average difference between the December projection and the final estimate is 3.7 million tons, ranging from 0.4 million to 10.2 million tons. The December projection has been below the estimate 29 times and above 11 times.

	Root mean square error	90 percent confidence interval	Differences between forecast and final estimate				
			Average	Smallest	Largest	Years Below Final	Years Above Final
	<i>Percent</i>		<i>Million Metric Tons</i>				
WHEAT							
Production							
World	0.8	1.3	3.7	0.4	10.2	29	11
U.S.	0.4	0.7	0.2	0.0	1.2	20	14
Foreign	0.9	1.5	3.7	0.3	10.3	29	11
Exports							
World	5.2	8.8	5.6	0.1	18.3	32	8
U.S.	5.7	9.7	1.5	0.2	3.9	21	19
Foreign	6.4	10.8	5.5	0.5	17.9	35	5
Domestic Use							
World	1.3	2.2	6.0	0.1	24.4	22	18
U.S.	5.8	9.8	1.5	0.1	3.6	10	30
Foreign	1.4	2.3	6.0	0.1	24.6	26	14
Ending Stocks							
World	5.7	9.6	7.6	0.9	28.6	29	11
U.S.	10.4	17.7	1.8	0.1	7.0	27	13
Foreign	5.8	9.8	6.4	0.4	28.1	28	12
COARSE GRAINS 2/							
Production							
World	1.4	2.4	12.6	0.0	36.0	29	11
U.S.	1.3	2.3	2.6	0.0	9.9	19	21
Foreign	2.0	3.5	12.6	0.3	37.5	28	12
Exports							
World	6.6	11.2	6.4	0.1	33.3	29	11
U.S.	15.1	25.7	5.4	0.1	12.8	19	21
Foreign	11.7	19.9	7.0	0.0	27.1	26	13
Domestic Use							
World	1.2	2.1	10.1	0.3	36.5	24	16
U.S.	3.5	5.9	4.8	0.1	17.9	17	23
Foreign	1.5	2.5	9.7	0.3	36.9	26	14
Ending Stocks							
World	11.0	18.7	14.8	0.2	137.6	33	7
U.S.	19.4	32.9	7.4	0.7	23.9	21	19
Foreign	14.3	24.3	13.5	0.1	143.9	32	8
RICE, milled							
Production							
World	1.9	3.3	5.7	0.0	16.2	32	8
U.S.	2.8	4.8	0.1	0.0	0.5	20	15
Foreign	2.0	3.3	5.7	0.1	16.2	33	7
Exports							
World	9.2	15.6	1.9	0.1	6.1	30	10
U.S.	7.8	13.3	0.2	0.0	0.6	19	19
Foreign	10.3	17.5	1.9	0.0	6.0	28	12
Domestic Use							
World	1.5	2.6	3.6	0.0	15.9	28	12
U.S.	7.8	13.3	0.2	0.0	0.6	21	19
Foreign	1.5	2.6	3.5	0.0	16.1	28	12
Ending Stocks							
World	10.5	17.8	5.7	0.1	27.9	33	7
U.S.	21.1	35.8	0.2	0.0	0.8	21	19
Foreign	10.8	18.2	5.8	0.2	27.7	33	7

1/ Footnotes at end of table.

CONTINUED

WASDE - 619 - 36

Reliability of December Projections (Continued) 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average			Years	
Average			Smallest	Largest	Below Final	Above Final	
SOYBEANS	<i>Percent</i>		<i>Million Metric Tons</i>				
Production							
World	3.7	6.3	5.5	0.1	23.8	22	18
U.S.	2.0	3.4	1.1	0.1	4.7	17	23
Foreign	6.1	10.3	5.4	0.1	25.1	19	21
Exports							
World	6.8	11.6	3.5	0.1	15.5	24	16
U.S.	9.0	15.2	2.2	0.1	6.4	23	17
Foreign	17.2	29.1	3.3	0.0	18.2	20	20
Domestic Use							
World	2.7	4.6	4.0	0.0	13.2	21	19
U.S.	3.5	5.9	1.3	0.0	3.6	26	14
Foreign	3.3	5.5	3.7	0.2	11.9	22	18
Ending Stocks							
World	15.2	25.8	4.6	0.1	18.5	23	17
U.S.	43.4	73.7	2.1	0.2	7.3	12	28
Foreign	16.7	28.4	4.1	0.1	18.3	24	16
COTTON	<i>Million 480-Pound Bales</i>						
Production							
World	3.1	5.3	2.3	0.0	7.2	23	16
U.S.	2.5	4.2	0.3	0.0	1.3	18	21
Foreign	3.7	6.2	2.2	0.0	7.1	22	17
Exports							
World	7.2	12.1	2.0	0.1	9.0	24	16
U.S.	13.5	22.9	0.9	0.0	3.0	25	15
Foreign	9.1	15.5	1.5	0.0	8.3	21	18
Domestic Use							
World	4.0	6.8	2.7	0.1	18.2	20	20
U.S.	8.7	14.8	0.3	0.0	1.0	19	20
Foreign	4.0	6.8	2.6	0.1	17.4	22	18
Ending Stocks							
World	11.4	19.3	4.8	0.5	19.3	23	17
U.S.	30.3	51.5	1.1	0.1	3.2	12	28
Foreign	11.9	20.2	4.5	0.1	17.5	27	13

1/ Marketing years 1981/82 through 2020/21 for grains, soybeans (U.S. only), and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2019/20, and for 2020/21 the last month's estimate. 2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

WASDE - 619 - 37

Reliability of United States December Projections 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average	Smallest	Largest	Below Final	Above Final
	<i>Percent</i>		<i>Million Bushels</i>				
CORN							
Production	1.4	2.3	96	0	396	19	20
Exports	15.8	26.8	194	9	513	18	22
Domestic Use	3.7	6.2	181	14	574	22	18
Ending Stocks	22.1	37.5	288	16	986	21	19
SORGHUM							
Production	4.1	7.0	14	1	53	21	19
Exports	18.5	31.4	29	0	123	26	13
Domestic Use	20.2	34.3	36	0	127	17	22
Ending Stocks	46.6	79.1	24	1	104	15	25
BARLEY							
Production	1.6	2.7	4	0	24	18	10
Exports	30.5	51.7	8	0	37	15	21
Domestic Use	7.5	12.7	16	0	70	15	24
Ending Stocks	13.3	22.5	13	0	39	27	11
OATS							
Production	1.1	1.9	2	0	18	8	9
Exports	70.3	119.4	1	0	7	10	10
Domestic Use	5.3	9.0	11	1	39	15	25
Ending Stocks	19.8	33.7	13	1	52	26	14
SOYBEAN MEAL			<i>Thousand Short Tons</i>				
Production	3.5	5.9	1,057	152	3,117	24	16
Exports	11.0	18.6	719	100	2,850	23	17
Domestic Use	3.2	5.4	692	50	2,293	21	19
Ending Stocks	33.3	56.6	63	0	253	16	22
SOYBEAN OIL			<i>Million Pounds</i>				
Production	3.4	5.8	459	43	1,530	27	13
Exports	28.3	48.1	360	0	1,325	21	17
Domestic Use	3.7	6.3	467	25	1,761	25	15
Ending Stocks	21.3	36.2	298	1	1,051	25	15
ANIMAL PROD.			<i>Million Pounds</i>				
Beef	3.5	5.9	709	9	2,311	27	12
Pork	3.2	5.4	434	20	1,592	21	18
Broilers	1.7	2.9	392	1	1,346	23	16
Turkeys	2.9	5.0	122	2	407	21	18
			<i>Million Dozen</i>				
Eggs	1.9	3.3	109	3	515	26	13
			<i>Billion Pounds</i>				
Milk	1.5	2.6	1.8	0.1	6.1	22	17

1/ See pages 35 and 36 for record of reliability for U.S. wheat, rice, soybeans, and cotton. Marketing years 1981/82 through 2020/21 for grains, soybeans, and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2020/21. Calendar years 1982 through 2020 for meats, eggs, and milk. Final for animal products is defined as the latest annual production estimate published by NASS for 1982-2020.

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

Metric-Ton Equivalent	= Domestic Unit	Factor
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



Thursday, February 24

8:00 a.m.	Welcome				
8:10 a.m.	2022 Agricultural Economic & Foreign Trade Outlook —Chief Economist Seth Meyer				
8:45 a.m.	Secretary of Agriculture				
9:45-11:45 a.m.	Plenary Session				
12:00-12:45 p.m.	Lunchtime Address				
Concurrent Sessions					
	Food Price & Farm Income Outlooks	U.S. Trade & the Global Marketplace	Supply Chain Resilience	Climate Mitigation & Adaptation	Frontiers in Ag Production & Technology
1:30-3:00 p.m.	The U.S. Food Price Outlook	U.S. Ag Trade Agenda and Outlook	Effects of Shipping Disruptions on U.S. Agriculture	Building Resilience through Extreme Event Preparedness	New Opportunities in the Biobased Economy
3:00-3:30 p.m.	Break				
3:30-5:00 p.m.	U.S. Farm Income Forecast and the State of the Farm Economy	China: Factors Upholding a High Agricultural Import Demand	Buffering the Supply Chain from Shocks: Transforming Climate Science into Action	Assessing and Managing Production Risk: From Climate Models to Field Operations	Equity & Inclusion Addressing the Heirs' Property Challenge in Land Ownership and Succession

Friday, February 25

8:30-9:45 a.m.	Morning Session				
Concurrent Sessions					
	Commodity Outlook	Commodity Outlook	Supply Chain Resilience	Climate Mitigation & Adaptation	Frontiers in Ag Production & Technology
10:00-11:30 a.m.	Grains and Oilseeds Outlook	Sugar Outlook	Leveraging Data to Build Resilient Local and Regional Food Systems	Returns on Investment in Soil Health	Productivity Growth: Trends, Drivers, and Impacts
		Guest industry speaker 11:30 a.m.-12:15 p.m.			
11:30 a.m.-1:00 p.m.	<ul style="list-style-type: none"> • 11:30 a.m.-12:45 p.m. Data visualization at USDA • 12:00-12:45 p.m. Lunch speaker on biostimulants • 11:30 a.m.-12:45 p.m. Lightning talks on productivity and innovation 				
	Commodity Outlook	Commodity Outlook	Food Safety and Nutrition	Climate Mitigation and Adaptation	Frontiers in Ag Production & Technology
1:00-2:30 p.m.	Cotton Outlook	Livestock and Poultry Outlook	Definitions and Truth in Food Labeling	Trends in Conservation Practices to Reduce Greenhouse Gas Emissions	Climate-smart Innovations to Improve Food Security
3:00-4:30 p.m.	Dairy Outlook	Organic Outlook	Thrifty Food Plan	Equity & Inclusion Rural Mental Health	Advances and Innovations in Forest Restorations to Combat Wildfire Crisis
Adjourn					

For complete WASDE tables and previous month's report visit

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

Click to receive [WASDE-related notifications](#) by email

Previous WASDE reports are available at

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

For questions contact: Mirvat Sewadeh at mirvat.sewadeh@usda.gov

World Agricultural Supply and Demand Estimates

WASDE-619 – December 9, 2021

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.