

# 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 - 627

Approved by the World Agricultural Outlook Board

August 12, 2022

**WHEAT:** The outlook for 2022/23 U.S. wheat this month is for increased supplies, higher domestic use and exports, and reduced stocks. Supplies are raised on higher production with all wheat production forecast at 1,783 million bushels, up 2 million from last month. Reductions in winter wheat and Durum are more than offset by an increase in Other Spring Wheat. The all wheat yield is 47.5 bushels per acre, up 0.2 bushels from last month. Food use is raised 6 million bushels to 970 million, based primarily on the NASS *Flour Milling Products* report, issued August 1. The report indicated record wheat flour millings in the April-June quarter, which resulted in raising 2021/22 food use to a record 972 million bushels. Wheat exports for 2022/23 are increased 25 million bushels to 825 million with most of the upward adjustment for Soft Red Winter and White, based on competitive export prices. Projected 2022/23 ending stocks are lowered 29 million bushels to 610 million. The projected 2022/23 season-average farm price (SAFP) is reduced \$1.25 per bushel to \$9.25. This is based on prices received for marketings to date, which are lower than previously expected. However, the SAFP is still projected at a record, surpassing \$7.77 per bushel in 2012/13.

The global wheat outlook for 2022/23 is for higher supplies, greater consumption, increased trade, and fractionally lower stocks. Supplies are raised by 4.2 million tons to 1,055.9 million as higher production more than offsets reduced beginning stocks. Production is increased to a record 779.6 million tons, primarily on higher production for Russia, Australia, and China. Russia's production is raised 6.5 million tons to a record 88.0 million on both higher harvested area and yield. Harvested area increased for both winter and spring wheat on updated area data from Rosstat, Russia's statistical agency. Winter wheat yields are raised on harvest results while spring wheat yields increased on generally favorable conditions to date. Australia's production is raised 3.0 million tons to 33.0 million as increasingly favorable weather conditions indicate higher yield prospects. China's production is increased 3.0 million tons to 138.0 million tons on the National Bureau of Statistics summer grain report, primarily on higher harvested area. Partially offsetting these increases are reductions for India and the EU. India's production is lowered 3.0 million tons to 103.0 million, primarily on reduced harvested area. EU production is reduced 2.0 million tons to 132.1 million, mostly on reductions for Hungary, Spain, and Romania.

Projected 2022/23 world consumption is raised 4.4 million tons to 788.6 million, led by higher feed and residual use for Russia and Australia. Projected 2022/23 global trade is raised 3.2 million tons to 208.6 million on higher exports by Russia, Australia, Ukraine, Canada, and the United States more than offsetting lower exports from the EU and Argentina. Russia's exports are raised to a record 42.0 million tons on greater exportable supplies and expectations that export prices will remain competitive. Projected 2022/23 world ending stocks are reduced fractionally to 267.3 million tons and remain at the lowest level in six years.

**COARSE GRAINS:** This month's 2022/23 U.S. corn outlook is for lower supplies, reduced feed and residual use, slightly higher food, seed, and industrial use, smaller exports, and lower ending stocks. Projected beginning stocks for 2022/23 are 20 million bushels higher based on a lower use forecast for 2021/22, where a reduction in corn used for ethanol is partially offset by greater

use for glucose and dextrose. Corn production for 2022/23 is forecast at 14.4 billion bushels, down 146 million from the July projection. The season's first survey-based corn yield forecast, at 175.4 bushels per acre, is 1.6 bushels below last month's projection. Among the major producing states, today's *Crop Production* report indicates that yields are forecast above a year ago in Illinois, Minnesota, and South Dakota. Yields in Indiana, Missouri, Nebraska, and Ohio are forecast below a year ago. Iowa is unchanged.

Total U.S. corn use for 2022/23 is reduced 45 million bushels to 14.5 billion. Feed and residual use is lowered 25 million bushels based on a smaller crop. Corn used for glucose and dextrose is projected higher based on observed use during 2021/22. Exports for 2022/23 are cut 25 million bushels to 2.4 billion. With supply falling more than use, ending stocks are lowered 82 million bushels to 1.4 billion. The season-average corn price received by producers is unchanged at \$6.65 per bushel.

This month's 2022/23 foreign coarse grain outlook is for lower production, larger trade, and smaller ending stocks relative to last month. Foreign corn production is down, with reductions for the EU and Serbia partially offset by increases for Ukraine, Malawi, Russia, and Turkey. EU corn production is sharply lower as extreme heat and dryness cut crop prospects for Romania, Hungary, France, Italy, Spain, Slovakia, Bulgaria, and Germany. Serbia is also reduced based on lower yield prospects. Corn production for Ukraine is higher as moderate to heavy late-July rainfall boost yield expectations. Foreign barley production for 2022/23 is higher with increases for Ukraine, Australia, Russia, Turkey, and Canada that are partly offset by a reduction for the EU.

Major global coarse grain trade changes for 2022/23 include forecast corn export increases for Ukraine, Serbia, Zambia, and Russia. Exports are lowered for the EU and the United States. Corn imports are raised for the EU but reduced for Vietnam. Sorghum exports are reduced for the United States, while imports are lowered for China. Barley exports are raised for Australia but lowered for the EU. Foreign corn ending stocks for 2022/23 are down 4.2 million tons to 271.4 million.

**RICE:** The outlook for U.S. rice in 2022/23 this month is for increased supplies, unchanged domestic and residual use and exports, and higher ending stocks. Supplies are raised on higher production that more than offsets a decrease in beginning stocks. The initial survey-based production forecast for the 2022/23 crop year increased production from the previous forecast by 1.5 million cwt to 176.0 million, all on higher yields. The average all rice yield is forecast at 7,627 pounds per acre, up 66 pounds from the prior forecast. Long-grain production is forecast at 140.3 million cwt and combined medium- and short-grain production is forecast at 35.7 million. Combined medium- and short-grain production is still down 24 percent from a year earlier and is at the lowest level since 1985/86. All rice exports for 2022/23 are unchanged, with an increase for milled rice exports offset by a decrease in rough rice. Projected all rice ending stocks are raised to 36.5 million cwt, up 1.0 million from last month but still 12 percent lower than last year. The 2022/23 all rice season-average farm price is increased \$0.60 per cwt to a record \$18.80, compared to last year's \$15.80, with increases in both long-grain and medium- and short-grain.

The 2022/23 global outlook is for reduced supplies, fractionally higher consumption and trade, and smaller stocks. Rice supplies are lowered 4.1 million tons to 697.3 million, primarily on smaller beginning stocks for India and reduced production for Bangladesh and India. India's production is lowered 2.0 million tons to 128.5 million as dry weather in the northeast reduced planted area. With these declines, 2022/23 world production is forecast only slightly below the previous year's record high. World use is forecast at a record, up slightly this month to 518.7

million tons. Projected 2022/23 world ending stocks are lowered 4.2 million tons to 178.5 million, mostly due to smaller stocks in India.

**OILSEEDS:** U.S. soybean supply and use changes for 2022/23 include higher beginning stocks, production, exports, and ending stocks. Beginning soybean stocks are raised on lower 2021/22 exports. Soybean production for 2022/23 is forecast at 4.53 billion bushels, up 26 million with higher yields more than offsetting lower harvested area. Harvested area is forecast at 87.2 million acres, down 0.3 million from July. The first survey-based soybean yield forecast of 51.9 bushels per acre is raised 0.4 bushels from last month. Soybean supplies for 2022/23 are projected at 4.8 billion bushels, up 36 million from last month. U.S. soybean exports are raised 20 million bushels to 2.16 billion on increased supplies. Soybean ending stocks are forecast at 245 million bushels, up 15 million.

The U.S. season-average soybean price for 2022/23 is forecast at \$14.35 per bushel, down 5 cents from last month. Soybean meal and oil price forecasts are unchanged at \$390 per short ton and 69.0 cents per pound, respectively.

The 2022/23 global oilseed supply and use forecasts include higher production, crush, exports, and ending stocks compared to last month. Global oilseed production is raised 2.9 million tons to 646.0 million with higher forecasts for soybeans, rapeseed, and sunflowerseed partly offset with lower cottonseed production in the United States. In addition to higher production for the United States, soybean production for China is increased on higher area cited in recent provincial reports. Australia's canola crop is raised 0.7 million tons to 6.1 million on higher yields resulting from favorable weather conditions. Russia's rapeseed crop is forecasted at a record 3.9 million tons, up 1.1 million from the previous forecast on sharply higher area. Russia's sunflowerseed production is raised 1.5 million tons to 17 million, also on higher reported area. Sunflowerseed production is reduced for the EU and South Africa. Lower EU production reflects hot, dry conditions in July.

Global 2022/23 oilseed crush is raised on higher soybean crush for Brazil and higher rapeseed and sunflowerseed crush for Russia. With increased supplies, rapeseed exports are raised for Australia and Russia. Global rapeseed exports are also raised with the addition of Uruguay to global supply and demand estimates. Sunflowerseed imports are raised for the EU and Belarus paired with increased exports for Russia and Ukraine. Global oilseed stocks are raised with higher soybean and rapeseed stocks partly offset with lower sunflowerseed stocks.

**SUGAR:** U.S. 2022/23 sugar supply is increased by 249,762 short tons, raw value (STRV) on higher beginning stocks and higher projected production. Stocks carried over from 2021/22 are 45,769 STRV larger than estimated last month mostly on an increase in high-tier tariff imports, now estimated at 325,000 based on the pace of both raw and refined sugar imports through the first week of August. Beet sugar production is increased by 203,993 STRV on the NASS forecast of sugarbeet yield higher (29.2 tons/acre) than last month's *WASDE* forecast (27.9 tons/acre). There are no changes to trade or to use. Ending stocks are increased to 1,814,227 STRV implying an ending stocks-to-use ratio of 14.32 percent, up from 12.35 percent last month.

Mexico production for 2021/22 is increased by 5,237 metric tons (MT) to 5,185,050 on end-of-campaign reporting by CONADESUCA. Exports in 2021/22 are increased by the same amount. There are no other changes in either 2021/22 or 2022/23.

**LIVESTOCK, POULTRY, AND DAIRY:** The forecast for 2022 red meat and poultry production is fractionally higher than last month as higher beef and broiler forecasts are partly offset by lower pork and turkey. Beef production is raised for the second half with higher expected slaughter.

Pork production is lowered on lower third quarter slaughter. Broiler production is raised on recent production data and higher expected production in the fourth quarter. Turkey production is forecast lower based on slaughter to date and hatchery data. Egg production is raised from last month on recent hatchery data.

For 2023, the red meat and poultry production forecast is raised on higher beef production. The beef forecast was raised, reflecting higher expected placements in late 2022 and the 2022 calf crop reported in the latest *Cattle* report. Turkey production is lowered slightly, while the pork and broiler production forecasts are unchanged from last month. The more rapid pace of egg production growth in 2022 is expected to carry into early 2023.

The beef import forecast for 2022 is lowered on second quarter data and expectations of slower imports, largely from Oceania. Imports for 2023 are unchanged from last month. Exports are raised for both years on larger beef supplies and continued firm demand from Asian markets. Pork imports and exports are adjusted for 2022 on recent data; the forecasts for the remainder of 2022 and 2023 are unchanged. Broiler exports for 2022 and 2023 are lowered on recent data and expectations of slower demand in price sensitive markets. Turkey exports are raised on the latest trade data, but no change is made to the forecast for the outlying quarters of 2022. The forecast for 2023 is raised on expectations of improving demand.

Cattle price forecasts for 2022 are raised on current price strength. This is expected to carry into early 2023 and prices were raised for the first quarter. The 2022 hog price forecast is raised on expectations of higher second-half prices, but no changes are made to 2023. The broiler price forecast for 2022 is lowered as prices decline from their highs earlier in the year. This decline is carried into the first half of 2023. Turkey price forecasts for 2022 and 2023 are raised on current prices and expectations of firming demand. The third-quarter 2022 egg price forecast is raised as egg prices peaked at record levels in July before beginning to decline. Forecasts for the fourth quarter and 2023 are unchanged.

The milk production forecasts for 2022 and 2023 are raised from last month. The cow inventory is raised in both years based on the July 1 dairy cow inventory provided in the recent *Cattle* report. Output-per-cow is forecast to increase at a slightly more rapid pace in 2022 and the 2023 forecast is raised as well.

Based on recent trade data, fat basis imports for 2022 are lowered from last month, but skim-solids basis imports are unchanged. Imports for 2023 are lowered reflecting larger domestic supplies. Exports on both a skim-solids basis and on a fat basis are raised for 2022 on recent data and expectations of larger available supplies. Export forecasts for 2023 on both fat and skim-solids bases are raised from last month on larger expected supplies.

Forecasts for 2022 butter prices are raised slightly from last month on current price strength, but the 2022 cheese price is forecast lower with expectations of larger supplies and continued large stocks. The forecasts for nonfat dry milk (NDM) and whey prices are also lower on observed prices and expected supplies. The Class III price is lowered on both lower cheese and whey prices, and the Class IV price lowered as the higher butter price is more than offset by the lower NDM price. The all milk price for 2022 is lowered to \$25.20 per cwt. For 2023, forecasts for cheese, butter, NDM, and whey are all lowered on expectations of greater supplies and strong competition in international markets. With lower product prices, the Class III and Class IV price forecasts are lowered. The 2023 all milk price forecast is lowered to \$22.50 per cwt.

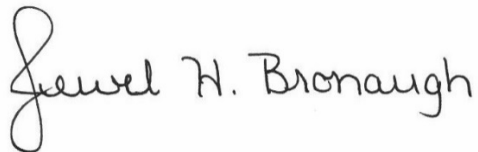
**COTTON:** In this month's 2022/23 U.S. cotton projections, beginning stocks are slightly larger, and a nearly 3-million-bale decrease in production results in lower exports, mill use, and ending

stocks. Beginning stocks are larger as estimated exports for 2021/22 are reduced 100,000 bales based on final Export Sales data and Census Bureau data through June. NASS's first survey-based estimate of production for 2022/23 is 12.6 million bales—the lowest since 2009/10—with the crop reduced by projected historically high abandonment in the Southwest. Exports are projected 2 million bales lower than in July and mill use is 200,000 lower. Ending stocks are 600,000 bales lower, equating to 12.6 percent of expected use, 8 percentage points lower than in 2021/22, and the lowest stock/use ratio since 1924/25. The U.S. season-average price for upland cotton is forecast 2 cents higher this month at 97 cents/lb.

Global 2022/23 production is forecast 3.1 million bales lower this month, and consumption is 800,000 bales lower, resulting in a decrease in projected ending stocks of 1.5 million bales. In addition to the U.S. crop change, world production is reduced an additional 100,000 bales as extreme heat in Uzbekistan reduced yield prospects there. World trade is 1.8 million bales lower this month, with reductions in U.S. exports and imports by China as the largest changes. Projected imports are also lower this month for India, Pakistan, Vietnam, Turkey, and Bangladesh. Consumption in 2022/23 is projected lower than a month ago in the United States, Pakistan, Vietnam, Turkey, and Bangladesh.

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

APPROVED BY:

A handwritten signature in black ink that reads "Jewel H. Bronaugh". The signature is written in a cursive style with a large initial "J".

JEWEL BRONAUGH  
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](mailto:mark.simone@usda.gov)  
Andrew Sowell, ERS; Rachel Trego, FAS; Bruce McWilliams, FPAC.

**Rice:** Mark Simone, ICEC Chair, WAOB, [mark.simone@usda.gov](mailto:mark.simone@usda.gov)  
Nathan Childs, ERS; Rachel Trego, FAS.

**Feed Grains:** Michael Jewison, ICEC Chair, WAOB, [michael.jewison2@usda.gov](mailto:michael.jewison2@usda.gov)  
Todd Hubbs, ERS; Kevin Min, FAS; Jacob Vuillemin, FPAC.

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

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

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

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

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

**In 2022 the WASDE report will be released on Sep 12, Oct 12, Nov 9, and Dec 9.**

---

## TABLE OF CONTENTS

---

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

## WASDE - 627 - 8

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

<b>World</b>			<b>Output</b>	<b>Total Supply</b>	<b>Trade 2/</b>	<b>Total Use 3/</b>	<b>Ending Stocks</b>
Total Grains 4/	2020/21		2724.79	3542.60	487.82	2741.48	801.11
	2021/22 (Est.)		2797.39	3598.50	505.55	2799.04	799.46
	2022/23 (Proj.)	Jul	2763.60	3568.69	486.74	2780.51	788.19
		Aug	2761.52	3560.99	491.77	2783.49	777.50
Wheat	2020/21		774.28	1072.49	203.40	782.22	290.27
	2021/22 (Est.)		779.24	1069.51	202.67	793.16	276.35
	2022/23 (Proj.)	Jul	771.64	1051.74	205.47	784.22	267.52
		Aug	779.60	1055.94	208.65	788.60	267.34
Coarse Grains 5/	2020/21		1441.25	1778.68	233.50	1455.71	322.97
	2021/22 (Est.)		1504.50	1827.47	248.28	1489.16	338.30
	2022/23 (Proj.)	Jul	1477.20	1815.56	226.66	1477.65	337.91
		Aug	1469.49	1807.79	228.45	1476.15	331.64
Rice, milled	2020/21		509.26	691.43	50.92	503.55	187.88
	2021/22 (Est.)		513.65	701.53	54.60	516.71	184.82
	2022/23 (Proj.)	Jul	514.76	701.40	54.61	518.63	182.76
		Aug	512.44	697.25	54.67	518.74	178.52
<b>United States</b>							
Total Grains 4/	2020/21		429.86	516.87	107.23	351.24	58.40
	2021/22 (Est.)		449.59	514.40	94.24	359.27	60.89
	2022/23 (Proj.)	Jul	436.77	504.25	92.67	353.20	58.38
		Aug	430.60	498.58	91.19	352.24	55.15
Wheat	2020/21		49.75	80.46	27.05	30.41	23.00
	2021/22 (Est.)		44.79	70.38	21.78	30.64	17.96
	2022/23 (Proj.)	Jul	48.47	69.42	21.77	30.26	17.39
		Aug	48.52	69.48	22.45	30.43	16.60
Coarse Grains 5/	2020/21		372.89	427.19	77.21	315.97	34.01
	2021/22 (Est.)		398.71	435.33	69.80	323.92	41.61
	2022/23 (Proj.)	Jul	382.76	426.59	68.39	318.33	39.87
		Aug	376.49	420.83	66.23	317.21	37.39
Rice, milled	2020/21		7.22	9.22	2.97	4.86	1.39
	2021/22 (Est.)		6.09	8.68	2.65	4.72	1.32
	2022/23 (Proj.)	Jul	5.54	8.24	2.51	4.60	1.13
		Aug	5.59	8.27	2.51	4.60	1.16

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 - 627 - 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/	2020/21	2,294.93	3,025.73	380.59	2,390.25	742.71	
	2021/22 (Est.)	2,347.81	3,084.10	411.31	2,439.77	738.57	
	2022/23 (Proj.)	Jul	2,326.83	3,064.44	394.07	2,427.30	729.81
		Aug	2,330.92	3,062.41	400.58	2,431.25	722.35
Wheat	2020/21	724.53	992.03	176.36	751.81	267.27	
	2021/22 (Est.)	734.45	999.13	180.88	762.52	258.38	
	2022/23 (Proj.)	Jul	723.17	982.32	183.69	753.95	250.13
		Aug	731.08	986.47	186.19	758.17	250.74
Coarse Grains 5/	2020/21	1,068.36	1,351.49	156.28	1,139.74	288.96	
	2021/22 (Est.)	1,105.79	1,392.13	178.48	1,165.25	296.69	
	2022/23 (Proj.)	Jul	1,094.44	1,388.97	158.27	1,159.32	298.04
		Aug	1,092.99	1,386.96	162.22	1,158.94	294.24
Rice, milled	2020/21	502.04	682.21	47.95	498.69	186.49	
	2021/22 (Est.)	507.56	692.85	51.95	512.00	183.50	
	2022/23 (Proj.)	Jul	509.22	693.16	52.11	514.03	181.64
		Aug	506.85	688.98	52.17	514.13	177.36

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	2020/21	111.37	209.16	48.49	121.68	88.11	
	2021/22 (Est.)	115.96	204.07	43.29	119.22	84.72	
	2022/23 (Proj.)	Jul	120.07	204.10	46.38	119.92	84.26
		Aug	117.01	201.73	44.58	119.09	82.77
United States	2020/21	14.61	21.86	16.35	2.40	3.15	
	2021/22 (Est.)	17.52	20.68	14.65	2.55	3.50	
	2022/23 (Proj.)	Jul	15.50	18.91	14.00	2.50	2.40
		Aug	12.57	16.08	12.00	2.30	1.80
Foreign 4/	2020/21	96.76	187.30	32.14	119.28	84.96	
	2021/22 (Est.)	98.43	183.39	28.64	116.67	81.22	
	2022/23 (Proj.)	Jul	104.57	185.20	32.38	117.42	81.86
		Aug	104.44	185.66	32.58	116.79	80.97

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 - 627 - 10

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

<b>World</b>			Output	Total Supply	Trade	Total Use 2/	Ending Stocks	
Oilseeds	2020/21		607.26	719.37	191.75	508.14	115.38	
	2021/22 (Est.)		600.47	715.85	177.31	510.54	108.83	
	2022/23 (Proj.)	Jul	643.07	750.70	195.37	529.42	118.51	
		Aug	646.00	754.83	196.92	531.88	120.72	
	Oilmeals	2020/21		348.37	368.47	97.05	344.19	18.43
		2021/22 (Est.)		349.18	367.61	95.55	344.41	17.88
2022/23 (Proj.)		Jul	362.74	380.61	97.36	355.83	18.56	
		Aug	364.18	382.06	97.87	356.68	19.03	
Vegetable Oils	2020/21		206.59	236.01	85.40	204.95	27.78	
	2021/22 (Est.)		211.01	238.79	80.03	206.25	28.52	
	2022/23 (Proj.)	Jul	218.21	245.91	87.92	212.12	29.55	
		Aug	219.05	247.57	88.33	213.03	30.04	
<b>United States</b>								
Oilseeds	2020/21		124.52	141.69	62.78	62.66	8.64	
	2021/22 (Est.)		130.54	140.33	59.77	63.91	7.79	
	2022/23 (Proj.)	Jul	132.67	141.38	59.05	65.51	7.91	
		Aug	132.46	141.46	59.52	65.48	8.20	
Oilmeals	2020/21		48.25	53.02	12.62	40.00	0.39	
	2021/22 (Est.)		49.11	53.15	12.63	40.08	0.44	
	2022/23 (Proj.)	Jul	50.46	54.73	12.93	41.26	0.54	
		Aug	50.44	54.72	12.93	41.24	0.54	
Vegetable Oils	2020/21		12.70	18.86	1.04	16.52	1.29	
	2021/22 (Est.)		13.05	19.62	1.06	17.27	1.29	
	2022/23 (Proj.)	Jul	13.39	20.08	0.87	18.09	1.12	
		Aug	13.38	20.14	0.87	18.08	1.19	
<b>Foreign 3/</b>								
Oilseeds	2020/21		482.74	577.68	128.97	445.49	106.75	
	2021/22 (Est.)		469.92	575.52	117.55	446.63	101.04	
	2022/23 (Proj.)	Jul	510.40	609.31	136.32	463.91	110.60	
		Aug	513.54	613.38	137.40	466.40	112.52	
Oilmeals	2020/21		300.13	315.45	84.43	304.19	18.04	
	2021/22 (Est.)		300.07	314.46	82.93	304.33	17.44	
	2022/23 (Proj.)	Jul	312.28	325.88	84.43	314.57	18.02	
		Aug	313.73	327.34	84.94	315.44	18.49	
Vegetable Oils	2020/21		193.88	217.15	84.36	188.42	26.48	
	2021/22 (Est.)		197.96	219.17	78.97	188.99	27.23	
	2022/23 (Proj.)	Jul	204.82	225.84	87.04	194.04	28.43	
		Aug	205.67	227.42	87.45	194.94	28.85	

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 - 627 - 11

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

	2020/21	2021/22 Est.	2022/23 Proj. Jul	2022/23 Proj. Aug
			<i>Million Acres</i>	
Area Planted	44.5	46.7	47.1	47.0
Area Harvested	36.8	37.2	37.6	37.5
			<i>Bushels</i>	
Yield per Harvested Acre	49.7	44.3	47.3	47.5
			<i>Million Bushels</i>	
Beginning Stocks	1,028	845	660	660
Production	1,828	1,646	1,781	1,783
Imports	100	95	110	110
Supply, Total	2,956	2,586	2,551	2,553
Food	961	972	964	970
Seed	64	60	68	68
Feed and Residual	93	94	80	80
Domestic, Total	1,117	1,126	1,112	1,118
Exports	994	800	800	825
Use, Total	2,111	1,926	1,912	1,943
Ending Stocks	845	660	639	610
Avg. Farm Price (\$/bu) 2/	5.05	7.63	10.50	9.25

## 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>			
2021/22 (Est.)	Beginning Stocks	428	235	85	70	27	845
	Production	749	297	361	201	37	1,646
	Supply, Total 3/	1,181	575	449	276	104	2,586
	Domestic Use	511	226	243	77	69	1,126
	Exports	317	209	112	148	14	800
	Use, Total	829	435	355	224	83	1,926
	Ending Stocks, Total	353	140	94	52	21	660
2022/23 (Proj.)	Beginning Stocks	353	140	94	52	21	660
	Production	576	463	381	289	74	1,783
	Supply, Total 3/	934	653	480	346	140	2,553
	Domestic Use	433	291	220	91	83	1,118
	Exports	245	235	135	180	30	825
	Use, Total	678	526	355	271	113	1,943
	Ending Stocks, Total						
		Aug					
		Jul					
		256	127	125	75	27	610
		265	126	136	82	30	639

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 - 627 - 12

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

FEED GRAINS	2020/21	2021/22 Est.	2022/23 Proj.	2022/23 Proj.
			Jul	Aug
			<i>Million Acres</i>	
Area Planted	102.3	105.9	101.7 *	101.5
Area Harvested	90.6	94.5	90.5 *	90.4
			<i>Metric Tons</i>	
Yield per Harvested Acre	4.11	4.22	4.23	4.16
			<i>Million Metric Tons</i>	
Beginning Stocks	51.8	34.0	41.1	41.6
Production	372.6	398.5	382.5	376.2
Imports	2.2	2.4	2.5	2.5
Supply, Total	426.6	434.8	426.0	420.3
Feed and Residual	146.6	146.4	139.6	138.3
Food, Seed & Industrial	168.9	177.0	178.2	178.3
Domestic, Total	315.4	323.4	317.8	316.7
Exports	77.2	69.8	68.4	66.2
Use, Total	392.6	393.2	386.2	382.9
Ending Stocks	34.0	41.6	39.9	37.4
<b>CORN</b>				
			<i>Million Acres</i>	
Area Planted	90.7	93.4	89.9 *	89.8
Area Harvested	82.3	85.4	81.9 *	81.8
			<i>Bushels</i>	
Yield per Harvested Acre	171.4	177.0	177.0 *	175.4
			<i>Million Bushels</i>	
Beginning Stocks	1,919	1,235	1,510	1,530
Production	14,111	15,115	14,505	14,359
Imports	24	25	25	25
Supply, Total	16,055	16,375	16,040	15,913
Feed and Residual	5,603	5,600	5,350	5,325
Food, Seed & Industrial 2/	6,471	6,795	6,820	6,825
Ethanol & by-products 3/	5,033	5,350	5,375	5,375
Domestic, Total	12,074	12,395	12,170	12,150
Exports	2,747	2,450	2,400	2,375
Use, Total	14,821	14,845	14,570	14,525
Ending Stocks	1,235	1,530	1,470	1,388
Avg. Farm Price (\$/bu) 4/	4.53	5.95	6.65	6.65

Note: Totals may not add due to rounding. 1/ Marketing year beginning September 1 for corn and sorghum; June 1 for barley and oats. 2/ For a breakout of FSI corn uses, see Feed Outlook table 5 or access the data on the Web through the Feed Grains Database at [www.ers.usda.gov/data-products/feed-grains-database.aspx](http://www.ers.usda.gov/data-products/feed-grains-database.aspx). 3/ Corn processed in ethanol plants to produce ethanol and by-products including distillers' grains, corn gluten feed, corn gluten meal, and corn oil. 4/ Marketing-year weighted average price received by farmers. \* For July, corn planted and harvested area as reported in the June 30, 2022, "Acreage." The yield projection is based on a weather-adjusted trend, estimated using the 1988-2021 time period, assuming normal summer growing season weather but lowered to reflect the slow pace of planting progress during May.

## WASDE - 627 - 13

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

SORGHUM	2020/21	2021/22 Est.	2022/23 Proj.	2022/23 Proj.
			Jul	Aug
	<i>Million Bushels</i>			
Area Planted (mil. acres)	5.9	7.3	6.3 *	6.3
Area Harvested (mil. acres)	5.1	6.5	5.4 *	5.4
Yield (bushels/acre)	73.2	69.0	69.2 *	53.2
Beginning Stocks	30	20	53	53
Production	373	448	372	286
Imports	0	0	0	0
Supply, Total	403	468	425	339
Feed and Residual	97	95	85	65
Food, Seed & Industrial	7	30	25	25
Total Domestic	104	125	110	90
Exports	279	290	285	225
Use, Total	383	415	395	315
Ending Stocks	20	53	30	24
Avg. Farm Price (\$/bu) 2/	5.04	5.95	6.55	6.55
<b>BARLEY</b>				
Area Planted (mil. acres)	2.7	2.7	3.0 *	3.0
Area Harvested (mil. acres)	2.2	1.9	2.4 *	2.4
Yield (bushels/acre)	77.2	60.4	73.0 *	66.3
Beginning Stocks	80	71	42	42
Production	171	118	175	158
Imports	7	15	9	9
Supply, Total	258	204	226	209
Feed and Residual	26	39	15	10
Food, Seed & Industrial	147	115	145	145
Total Domestic	172	154	160	155
Exports	14	7	7	7
Use, Total	186	162	167	162
Ending Stocks	71	42	59	47
Avg. Farm Price (\$/bu) 2/	4.75	5.31	7.35	6.95
<b>OATS</b>				
Area Planted (mil. acres)	3.0	2.6	2.4 *	2.4
Area Harvested (mil. acres)	1.0	0.7	0.8 *	0.8
Yield (bushels/acre)	65.1	61.3	66.1 *	66.1
Beginning Stocks	37	38	33	33
Production	66	40	53	53
Imports	85	81	95	95
Supply, Total	188	159	180	180
Feed and Residual	68	44	65	65
Food, Seed & Industrial	78	80	81	81
Total Domestic	147	124	146	146
Exports	3	3	2	2
Use, Total	150	126	148	148
Ending Stocks	38	33	32	32
Avg. Farm Price (\$/bu) 2/	2.77	4.55	5.70	5.80

Note: Totals may not add due to rounding. 1/ Marketing year beginning September 1 for sorghum; June 1 for barley and oats. 2/ Marketing-year weighted average price received by farmers. \* For July sorghum planted and harvested acres reported in the June 30, 2022, "Acreage." The yield is the median yield for 2002-2021. Barley and oats area planted, area harvested, yield, and production as reported in the July 12, 2022, "Crop Production."

## WASDE - 627 - 14

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

TOTAL RICE	2020/21	2021/22 Est.	2022/23 Proj.	2022/23 Proj.
			Jul	Aug
		<i>Million Acres</i>		
Area Planted	3.04	2.53	2.34 *	2.34
Area Harvested	2.99	2.49	2.31 *	2.31
		<i>Pounds</i>		
Yield per Harvested Acre	7,619	7,709	7,561 *	7,627
		<i>Million Hundredweight</i>		
Beginning Stocks 2/	28.7	43.7	42.0	41.5
Production	227.5	191.8	174.5	176.0
Imports	34.1	38.0	43.0	43.0
Supply, Total	290.2	273.5	259.5	260.5
Domestic & Residual 3/	153.1	148.5	145.0	145.0
Exports, Total 4/	93.5	83.5	79.0	79.0
Rough	34.6	30.0	34.0	32.0
Milled (rough equiv.)	58.9	53.5	45.0	47.0
Use, Total	246.6	232.0	224.0	224.0
Ending Stocks	43.7	41.5	35.5	36.5
Avg. Milling Yield (%) 5/	70.00	70.00	70.00	70.00
Avg. Farm Price (\$/cwt) 6/	14.40	15.80	18.20	18.80
<b>LONG-GRAIN RICE</b>				
Harvested Acres (mil.)	2.30	1.94		
Yield (pounds/acre)	7,422	7,471		
Beginning Stocks	16.9	29.7	24.9	25.4
Imports	27.4	31.0	33.0	33.0
Production	170.8	144.6	139.0	140.3
Supply, Total 7/	215.1	205.4	196.9	198.7
Domestic & Residual 3/	120.3	118.0	115.0	115.0
Exports 8/	65.0	62.0	60.0	60.0
Use, Total	185.3	180.0	175.0	175.0
Ending Stocks	29.7	25.4	21.9	23.7
Avg. Farm Price (\$/cwt) 6/	12.60	13.70	15.50	16.00
<b>MEDIUM &amp; SHORT-GRAIN RICE</b>				
Harvested Acres (mil.)	0.69	0.55		
Yield (pounds/acre)	8,282	8,543		
Beginning Stocks	10.7	11.5	14.6	13.6
Imports	6.7	7.0	10.0	10.0
Production	56.7	47.2	35.5	35.7
Supply, Total 7/	72.7	65.6	60.1	59.3
Domestic & Residual 3/	32.8	30.5	30.0	30.0
Exports 8/	28.5	21.5	19.0	19.0
Use, Total	61.2	52.0	49.0	49.0
Ending Stocks	11.5	13.6	11.1	10.3
Avg. Farm Price (\$/cwt) 1/ 6/ 9/	20.10	22.20	26.20	27.00
California 10/	22.60	26.00	31.00	32.00
Other States 1/	13.00	14.10	16.00	16.50

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. For July--Planted and harvested area are reported in June 30, 2022 "Acreage" report. Projected yield is based on by-class trend analysis and planted area.

## WASDE - 627 - 15

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

<b>SOYBEANS</b>	2020/21	2021/22 Est.	2022/23 Proj. Jul	2022/23 Proj. Aug
			<i>Million Acres</i>	
Area Planted	83.4	87.2	88.3 *	88.0
Area Harvested	82.6	86.3	87.5 *	87.2
			<i>Bushels</i>	
Yield per Harvested Acre	51.0	51.4	51.5 *	51.9
			<i>Million Bushels</i>	
Beginning Stocks	525	257	215	225
Production	4,216	4,435	4,505	4,531
Imports	20	15	15	15
Supply, Total	4,761	4,707	4,735	4,771
Crushings	2,141	2,205	2,245	2,245
Exports	2,266	2,160	2,135	2,155
Seed	101	102	102	102
Residual	-4	15	23	24
Use, Total	4,504	4,482	4,505	4,526
Ending Stocks	257	225	230	245
Avg. Farm Price (\$/bu) 2/	10.80	13.30	14.40	14.35
<b>SOYBEAN OIL</b>				
			<i>Million Pounds</i>	
Beginning Stocks	1,853	2,131	1,951	2,101
Production 4/	25,023	26,105	26,310	26,310
Imports	302	325	500	500
Supply, Total	27,177	28,561	28,761	28,911
Domestic Disappearance	23,314	24,685	25,700	25,700
Biofuel 3/	8,850	10,500	12,000	12,000
Food, Feed & other Industrial	14,464	14,185	13,700	13,700
Exports	1,731	1,775	1,400	1,400
Use, Total	25,046	26,460	27,100	27,100
Ending stocks	2,131	2,101	1,661	1,811
Avg. Price (c/lb) 2/	56.87	72.00	69.00	69.00
<b>SOYBEAN MEAL</b>				
			<i>Thousand Short Tons</i>	
Beginning Stocks	341	341	400	400
Production 4/	50,565	51,659	52,850	52,850
Imports	784	600	450	450
Supply, Total	51,691	52,600	53,700	53,700
Domestic Disappearance	37,674	38,500	39,200	39,200
Exports	13,675	13,700	14,000	14,000
Use, Total	51,350	52,200	53,200	53,200
Ending Stocks	341	400	500	500
Avg. Price (\$/s.t.) 2/	392.31	435.00	390.00	390.00

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 2,205 million bushels for 2021/22 and 2,245 million bushels for 2022/23. \*Planted and harvested acres are from the June 30, 2022 Acreage report. The yield is based on a weather-adjusted trend model.

## WASDE - 627 - 16

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

	2020/21	2021/22 Est.	2022/23 Proj. Jul	2022/23 Proj. Aug
	<i>1,000 Short Tons, Raw Value</i>			
Beginning Stocks	1,618	1,705	1,782	1,828
Production 2/	9,233	9,117	8,947	9,151
Beet Sugar	5,092	5,155	4,934	5,138
Cane Sugar	4,141	3,961	4,013	4,013
Florida	2,090	1,933	2,000	2,000
Louisiana	1,918	1,906	1,910	1,910
Texas	134	122	103	103
Imports	3,221	3,746	3,501	3,501
TRQ 3/	1,749	1,766	1,445	1,445
Other Program 4/	292	300	250	250
Non-program	1,180	1,680	1,806	1,806
Mexico	968	1,355	1,756	1,756
High-tier tariff/other	212	325	50	50
Total Supply	14,072	14,568	14,229	14,479
Exports	49	35	35	35
Deliveries	12,277	12,705	12,630	12,630
Food	12,161	12,600	12,525	12,525
Other 5/	116	105	105	105
Miscellaneous	40	0	0	0
Total Use	12,367	12,740	12,665	12,665
Ending Stocks	1,705	1,828	1,564	1,814
Stocks to Use Ratio	13.8	14.3	12.4	14.3

1/ Fiscal years beginning Oct 1. Data and projections correspond to category components from "Sweetener Market Data" (SMD). 2/ Production projections for 2021/22 and 2022/23 are based on Crop Production and/or processor projections/industry data and/or sugar ICEC analysis where appropriate. 3/ For 2021/22, WTO raw sugar TRQ shortfall (77) and for 2022/23 (99). 4/ Composed of sugar under the re-export and polyhydric alcohol programs. 5/ 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: 2020/21 -- 298; estimated 2021/22 -- 314; projected 2022/23 -- 315

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

		Beginning Stocks	Production	Imports	Domestic 2/	Exports	Ending Stocks	
		<i>1,000 Metric Tons, Actual Weight</i>						
<b>Sugar</b>	2021/22 Est.	Jul	1,053	6,180	50	4,547	1,789	947
		Aug	1,053	6,185	50	4,547	1,794	947
2022/23 Proj.		Jul	947	6,000	50	4,547	1,503	947
		Aug	947	6,000	50	4,547	1,503	947

1/ HFCS consumption by Mexico (1,000 metric tons, dry basis): 2020/21 = 1,320; Estimated 2020/21 = 1,310; Projected 2022/23 = 1,317; Estimated Oct - June 2022 = 966, Oct - June 2021 = 989. Footnote source for estimate: Comite Nacional para el Desarrollo Sustentable de la Cana de Azucar. 2/Includes deliveries for consumption, Mexico's products export program (IMMEX), and Other Deliveries/Ending Year Statistical Adjustments. IMMEX: 2021/22 (497 est =462 dom.+35 import); 2022/23 (497 proj = 462 dom.+35 import). Statistical Adjustments: 2021/22 (0), 2022/23 (0).



## WASDE - 627 - 17

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

	2020/21	2021/22 Est.	2022/23 Proj. Jul	2022/23 Proj. Aug
Area			<i>Million Acres</i>	
Planted	12.09	11.22	12.48 **	12.48
Harvested	8.22	10.27	8.55 **	7.13
			<i>Pounds</i>	
Yield per Harvested Acre	853	819	870 **	846
			<i>Million 480 Pound Bales</i>	
Beginning Stocks	7.25	3.15	3.40	3.50
Production	14.61	17.52	15.50	12.57
Imports	0.00	0.01	0.01	0.01
Supply, Total	21.86	20.68	18.91	16.08
Domestic Use	2.40	2.55	2.50	2.30
Exports, Total	16.35	14.65	14.00	12.00
Use, Total	18.75	17.20	16.50	14.30
Unaccounted 2/	-0.04	-0.02	0.01	-0.03
Ending Stocks	3.15	3.50	2.40	1.80
Avg. Farm Price 3/	66.3	92.0	95.0	97.0

Note: Reliability calculations at end of report. 1/ Upland and extra-long staple; marketing year beginning August 1. Totals may not add due to rounding. 2/ Reflects the difference between the previous season's supply less total use and ending stocks. 3/ Cents per pound for upland cotton. \*Planted area as reported in March 31, 2022 Prospective Plantings. Harvested area based on 10-year average abandonment by region, with the Southwest adjusted to reflect unfavorable moisture conditions. Yield based on 5-year average yields by region. \*\*Planted area as reported in June 30, 2022 Acreage. Harvested area based on 10-year average abandonment by region, with the Southwest adjusted to reflect unfavorable moisture conditions. Yield based on 5-year average yields by region.

## WASDE - 627 - 18

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

2020/21	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	298.21	774.28	195.37	157.97	782.22	203.40	290.27
World Less China	148.20	640.03	184.75	117.97	632.22	202.64	146.15
United States	27.99	49.75	2.73	2.54	30.41	27.05	23.00
Total Foreign	270.23	724.53	192.64	155.44	751.81	176.36	267.27
Major Exporters 4/	32.38	322.21	6.66	72.83	179.43	147.50	34.32
Argentina	2.36	17.64	0.01	0.05	6.35	11.53	2.12
Australia	2.68	31.92	0.20	4.50	8.00	23.85	2.96
Canada	5.50	35.18	0.55	4.18	9.13	26.43	5.67
European Union 5/	13.11	126.69	5.38	42.50	104.75	29.74	10.69
Russia	7.23	85.35	0.40	19.00	42.50	39.10	11.38
Ukraine	1.50	25.42	0.13	2.60	8.70	16.85	1.51
Major Importers 6/	193.75	200.40	125.06	57.58	323.55	12.62	183.04
Bangladesh	1.76	1.18	7.20	0.50	8.00	0.00	2.14
Brazil	1.99	6.25	6.40	0.40	11.80	0.93	1.91
China	150.02	134.25	10.62	40.00	150.00	0.76	144.12
Japan	1.21	1.00	5.49	0.65	6.25	0.30	1.15
N. Africa 7/	14.36	15.81	28.50	1.75	46.72	0.80	11.14
Nigeria	0.30	0.06	6.59	0.05	5.55	0.60	0.79
Sel. Mideast 8/	11.79	20.62	17.74	3.54	38.83	0.62	10.70
Southeast Asia 9/	5.91	0.00	25.84	7.29	25.05	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	1.00	1.45	6.25	8.19	1.48
United Kingdom	2.44	9.66	3.22	5.96	13.46	0.45	1.42
<b>2021/22 Est.</b>							
World 3/	290.27	779.24	197.83	159.93	793.16	202.67	276.35
World Less China	146.15	642.30	188.26	124.93	645.16	201.79	134.59
United States	23.00	44.79	2.59	2.57	30.64	21.78	17.96
Total Foreign	267.27	734.45	195.23	157.36	762.53	180.88	258.38
Major Exporters 4/	34.32	326.91	5.83	77.55	184.85	142.55	39.66
Argentina	2.12	22.50	0.00	0.05	6.35	16.50	1.78
Australia	2.96	36.30	0.20	5.00	8.50	27.50	3.46
Canada	5.67	21.65	0.60	4.50	9.50	15.00	3.42
European Union 5/	10.69	138.29	4.60	45.50	108.75	31.75	13.08
Russia	11.38	75.16	0.30	18.50	41.75	33.00	12.09
Ukraine	1.51	33.01	0.13	4.00	10.00	18.80	5.84
Major Importers 6/	183.04	203.23	130.50	53.60	323.57	15.33	177.86
Bangladesh	2.14	1.13	6.50	0.60	8.40	0.00	1.37
Brazil	1.91	7.70	6.50	0.45	11.75	3.20	1.16
China	144.12	136.95	9.57	35.00	148.00	0.88	141.76
Japan	1.15	1.13	5.61	0.75	6.30	0.30	1.28
N. Africa 7/	11.14	20.43	26.87	1.87	47.02	0.41	11.02
Nigeria	0.79	0.09	6.20	0.05	5.85	0.60	0.63
Sel. Mideast 8/	10.70	16.50	22.82	3.88	38.78	0.75	10.48
Southeast Asia 9/	5.56	0.00	26.52	7.30	25.40	1.19	5.48
Selected Other							
India	27.80	109.59	0.03	7.00	109.88	8.03	19.50
Kazakhstan	1.48	11.81	2.50	1.30	6.10	8.20	1.49
United Kingdom	1.42	13.99	2.60	7.40	15.40	0.83	1.77

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 - 627 - 19

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

<b>2022/23 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Jul	280.10	771.64	202.74	151.31	784.22	205.47	267.52
	Aug	276.35	779.60	203.89	152.79	788.60	208.65	267.34
World Less China	Jul	138.19	636.64	193.24	121.31	640.22	204.57	126.00
	Aug	134.59	641.60	194.39	122.79	644.60	207.75	122.98
United States	Jul	17.96	48.47	2.99	2.18	30.26	21.77	17.39
	Aug	17.96	48.52	2.99	2.18	30.43	22.45	16.60
Total Foreign	Jul	262.14	723.17	199.75	149.14	753.95	183.69	250.13
	Aug	258.38	731.08	200.90	150.61	758.17	186.19	250.74
Major Exporters 4/	Jul	41.97	318.60	6.71	75.55	182.95	148.00	36.32
	Aug	39.66	326.60	6.71	77.05	185.20	150.50	37.26
Argentina	Jul	1.43	19.50	0.01	0.05	6.35	13.50	1.08
	Aug	1.78	19.00	0.01	0.05	6.35	13.00	1.43
Australia	Jul	4.83	30.00	0.20	4.00	7.55	24.00	3.48
	Aug	3.46	33.00	0.20	5.00	8.55	25.00	3.11
Canada	Jul	3.42	34.00	0.60	4.00	9.10	25.00	3.92
	Aug	3.42	35.00	0.60	4.00	9.10	26.00	3.92
European Union 5/	Jul	14.36	134.10	5.50	43.50	107.50	35.50	10.96
	Aug	13.08	132.10	5.50	43.00	107.00	33.50	10.18
Russia	Jul	12.09	81.50	0.30	19.00	42.25	40.00	11.64
	Aug	12.09	88.00	0.30	20.00	44.00	42.00	14.39
Ukraine	Jul	5.84	19.50	0.10	5.00	10.20	10.00	5.24
	Aug	5.84	19.50	0.10	5.00	10.20	11.00	4.24
Major Importers 6/	Jul	178.56	201.40	133.25	47.35	321.25	15.22	176.74
	Aug	177.86	204.35	134.50	47.30	321.02	15.22	180.47
Bangladesh	Jul	2.27	1.10	7.00	0.60	8.70	0.00	1.67
	Aug	1.37	1.10	7.00	0.60	8.50	0.00	0.97
Brazil	Jul	1.16	8.50	6.40	0.55	11.95	3.00	1.11
	Aug	1.16	8.70	6.40	0.55	11.95	3.00	1.31
China	Jul	141.92	135.00	9.50	30.00	144.00	0.90	141.52
	Aug	141.76	138.00	9.50	30.00	144.00	0.90	144.36
Japan	Jul	1.08	1.15	5.50	0.65	6.20	0.30	1.23
	Aug	1.28	1.15	5.70	0.65	6.20	0.30	1.63
N. Africa 7/	Jul	11.25	17.15	29.40	1.82	47.67	0.51	9.63
	Aug	11.02	17.15	30.20	1.77	47.52	0.51	10.34
Nigeria	Jul	0.63	0.11	6.50	0.00	6.00	0.60	0.64
	Aug	0.63	0.11	6.50	0.00	6.00	0.60	0.64
Sel. Mideast 8/	Jul	10.55	17.59	23.32	3.88	39.63	0.77	11.07
	Aug	10.48	17.59	23.32	3.88	39.58	0.77	11.05
Southeast Asia 9/	Jul	5.27	0.00	26.23	6.70	25.15	1.15	5.20
	Aug	5.48	0.00	26.23	6.70	25.20	1.15	5.36
Selected Other								
India	Jul	21.47	106.00	0.03	6.50	104.50	6.50	16.49
	Aug	19.50	103.00	0.03	6.50	104.50	6.50	11.53
Kazakhstan	Jul	0.79	13.00	1.00	1.30	5.90	8.00	0.89
	Aug	1.49	13.00	1.00	1.30	6.10	8.00	1.39
United Kingdom	Jul	1.70	14.60	2.00	7.60	15.60	1.00	1.70
	Aug	1.77	14.60	2.00	7.60	15.60	1.00	1.77

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 - 627 - 20

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

<b>2020/21</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	337.43	1,441.25	234.16	904.10	1,455.71	233.50	322.97
World Less China	136.47	1,172.17	183.62	683.15	1,142.60	233.49	115.51
United States	51.83	372.89	2.47	146.73	315.97	77.21	34.01
Total Foreign	285.60	1,068.36	231.68	757.37	1,139.74	156.28	288.96
Major Exporters 4/	24.24	297.37	5.46	134.78	181.08	126.63	19.36
Argentina	4.57	60.00	0.02	11.28	17.01	45.52	2.06
Australia	3.01	18.61	0.00	6.25	8.12	10.50	2.99
Brazil	5.82	90.32	3.35	62.42	73.86	21.04	4.60
Canada	3.98	29.64	1.89	16.69	24.65	7.26	3.61
Russia	1.87	41.40	0.09	21.47	31.04	10.42	1.90
Ukraine	2.55	39.59	0.07	9.25	12.41	28.15	1.65
Major Importers 5/	36.35	252.86	137.73	294.54	377.05	13.22	36.68
European Union 6/	14.16	155.46	15.87	119.91	159.41	11.45	14.63
Japan	1.74	0.23	16.98	13.45	17.29	0.00	1.66
Mexico	4.14	32.66	17.15	30.34	49.84	0.51	3.60
N. Afr & Mideast 7/	7.76	32.61	38.78	63.17	71.38	0.69	7.08
Saudi Arabia	1.72	0.19	10.03	10.25	10.61	0.00	1.33
Southeast Asia 8/	3.82	31.40	22.65	43.43	51.72	0.57	5.59
South Korea	2.02	0.24	11.80	9.47	12.03	0.00	2.04
Selected Other							
China	200.96	269.08	50.53	220.95	313.11	0.01	207.46
<b>2021/22 Est.</b>							
World 3/	322.97	1,504.50	225.01	911.64	1,489.16	248.28	338.30
World Less China	115.51	1,223.64	182.66	684.09	1,169.41	248.23	127.45
United States	34.01	398.71	2.61	146.52	323.92	69.80	41.61
Total Foreign	288.96	1,105.79	222.39	765.12	1,165.25	178.48	296.69
Major Exporters 4/	19.36	334.89	8.99	145.23	190.90	147.78	24.56
Argentina	2.06	62.65	0.01	11.77	17.49	44.80	2.42
Australia	2.99	18.50	0.00	5.55	7.43	11.68	2.39
Brazil	4.60	120.62	2.60	66.10	78.14	44.51	5.18
Canada	3.61	24.21	6.22	17.94	25.44	5.55	3.06
Russia	1.90	38.54	0.10	22.23	31.11	7.58	1.85
Ukraine	1.65	53.51	0.03	14.24	17.37	30.46	7.37
Major Importers 5/	36.68	249.00	133.78	285.96	369.22	14.92	35.33
European Union 6/	14.63	154.41	17.52	118.07	157.69	13.28	15.58
Japan	1.66	0.24	16.82	13.41	17.15	0.00	1.57
Mexico	3.60	33.27	18.36	31.10	50.77	0.40	4.06
N. Afr & Mideast 7/	7.08	29.37	39.37	60.17	68.81	0.61	6.41
Saudi Arabia	1.33	0.20	7.71	7.45	7.81	0.00	1.43
Southeast Asia 8/	5.59	31.21	17.91	42.10	50.49	0.64	3.58
South Korea	2.04	0.22	11.62	9.25	11.81	0.00	2.06
Selected Other							
China	207.46	280.85	42.35	227.55	319.75	0.05	210.86

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 - 627 - 21

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

<b>2022/23 Proj.</b>		<b>Beginning Stocks</b>	<b>Production</b>	<b>Imports</b>	<b>Domestic Feed</b>	<b>Domestic Total 2/</b>	<b>Exports</b>	<b>Ending Stocks</b>
World 3/	Jul	338.36	1,477.20	220.10	910.81	1,477.65	226.66	337.91
	Aug	338.30	1,469.49	221.14	907.63	1,476.15	228.45	331.64
World Less China	Jul	127.50	1,197.90	182.75	679.26	1,154.90	226.61	133.20
	Aug	127.45	1,190.19	185.29	677.58	1,154.90	228.40	126.93
United States	Jul	41.11	382.76	2.72	139.77	318.33	68.39	39.87
	Aug	41.61	376.49	2.72	138.51	317.21	66.23	37.39
Total Foreign	Jul	297.25	1,094.44	217.38	771.04	1,159.32	158.27	298.04
	Aug	296.69	1,092.99	218.42	769.11	1,158.94	162.22	294.24
Major Exporters 4/	Jul	25.01	329.53	4.50	145.19	191.61	133.34	34.08
	Aug	24.56	336.37	4.50	146.98	193.46	137.74	34.24
Argentina	Jul	2.57	64.87	0.01	11.91	17.72	47.20	2.52
	Aug	2.42	64.91	0.01	11.95	17.76	47.20	2.37
Australia	Jul	1.89	14.52	0.00	4.82	6.70	7.88	1.84
	Aug	2.39	15.22	0.00	5.02	6.90	8.58	2.13
Brazil	Jul	5.18	130.54	1.80	69.50	81.99	47.03	8.50
	Aug	5.18	130.54	1.80	69.50	81.99	47.03	8.50
Canada	Jul	3.00	29.02	2.54	17.08	24.47	6.75	3.35
	Aug	3.06	29.35	2.54	17.30	24.79	6.75	3.40
Russia	Jul	1.85	40.93	0.10	21.98	31.13	9.95	1.81
	Aug	1.85	41.00	0.10	21.90	31.00	10.15	1.81
Ukraine	Jul	7.77	31.76	0.00	12.52	15.65	10.83	13.06
	Aug	7.37	37.46	0.00	13.92	17.05	14.33	13.46
Major Importers 5/	Jul	35.57	245.92	137.78	287.90	371.30	13.29	34.68
	Aug	35.33	237.36	140.32	285.63	368.88	10.89	33.24
European Union 6/	Jul	15.75	149.77	17.19	116.05	155.68	11.77	15.25
	Aug	15.58	140.61	20.22	113.69	153.07	9.27	14.07
Japan	Jul	1.57	0.24	16.67	13.06	16.95	0.00	1.53
	Aug	1.57	0.24	16.67	13.06	16.95	0.00	1.53
Mexico	Jul	4.03	33.50	18.47	31.74	51.36	0.60	4.04
	Aug	4.06	33.50	18.57	31.74	51.46	0.60	4.07
N. Afr & Mideast 7/	Jul	6.42	30.51	39.71	61.59	70.12	0.34	6.19
	Aug	6.41	31.11	39.41	61.78	70.30	0.44	6.19
Saudi Arabia	Jul	1.43	0.19	8.71	8.75	9.11	0.00	1.23
	Aug	1.43	0.19	8.71	8.75	9.11	0.00	1.23
Southeast Asia 8/	Jul	3.67	31.41	20.96	43.05	51.60	0.58	3.85
	Aug	3.58	31.41	20.66	42.95	51.50	0.58	3.56
South Korea	Jul	2.06	0.22	11.60	9.24	11.80	0.00	2.09
	Aug	2.06	0.22	11.60	9.24	11.80	0.00	2.09
Selected Other								
China	Jul	210.86	279.30	37.35	231.55	322.75	0.05	204.71
	Aug	210.86	279.30	35.85	230.05	321.25	0.05	204.71

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 - 627 - 22

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

<b>2020/21</b>	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	307.46	1,129.44	185.22	724.18	1,144.02	182.61	292.89
World Less China	106.93	868.77	155.71	521.18	859.02	182.60	87.18
United States	48.76	358.45	0.62	142.32	306.69	69.78	31.36
Total Foreign	258.70	771.00	184.61	581.86	837.33	112.83	261.53
Major Exporters 4/	13.37	200.12	2.92	91.02	113.82	93.55	9.04
Argentina	3.62	52.00	0.01	9.50	13.50	40.94	1.18
Brazil	5.33	87.00	2.85	59.50	70.00	21.02	4.15
Russia	0.83	13.87	0.04	8.90	10.00	3.99	0.75
South Africa	2.12	16.95	0.01	7.22	13.22	3.73	2.12
Ukraine	1.48	30.30	0.02	5.90	7.10	23.86	0.83
Major Importers 5/	20.81	132.70	92.89	164.27	219.53	4.79	22.08
Egypt	1.73	6.40	9.63	13.90	16.40	0.01	1.36
European Union 6/	7.38	67.44	14.49	57.20	77.70	3.74	7.88
Japan	1.39	0.01	15.48	12.00	15.45	0.00	1.42
Mexico	3.52	27.35	16.50	25.60	43.80	0.48	3.08
Southeast Asia 7/	3.81	31.35	20.69	41.65	49.70	0.57	5.58
South Korea	2.00	0.09	11.71	9.42	11.78	0.00	2.02
Selected Other							
Canada	2.56	13.56	1.58	8.59	13.98	1.56	2.17
China	200.53	260.67	29.51	203.00	285.00	0.00	205.70
<b>2021/22 Est.</b>							
World 3/	292.89	1,218.76	178.58	745.93	1,199.80	200.44	311.84
World Less China	87.18	946.21	155.58	536.93	908.80	200.42	101.60
United States	31.36	383.94	0.64	142.25	314.85	62.23	38.86
Total Foreign	261.53	834.81	177.94	603.68	884.96	138.21	272.98
Major Exporters 4/	9.04	242.65	2.07	100.10	123.30	115.20	15.26
Argentina	1.18	53.00	0.01	9.80	13.70	39.00	1.49
Brazil	4.15	116.00	2.00	62.00	73.00	44.50	4.65
Russia	0.75	15.23	0.05	10.00	11.10	4.00	0.93
South Africa	2.12	16.30	0.00	7.30	13.30	3.20	1.92
Ukraine	0.83	42.13	0.02	11.00	12.20	24.50	6.27
Major Importers 5/	22.08	137.29	90.22	166.20	221.55	6.84	21.20
Egypt	1.36	7.44	9.20	13.90	16.40	0.01	1.59
European Union 6/	7.88	70.98	16.00	59.80	80.40	5.80	8.66
Japan	1.42	0.01	15.30	12.00	15.35	0.00	1.38
Mexico	3.08	27.55	17.50	26.20	44.40	0.40	3.33
Southeast Asia 7/	5.58	31.16	16.32	40.70	48.85	0.63	3.58
South Korea	2.02	0.08	11.50	9.20	11.55	0.00	2.05
Selected Other							
Canada	2.17	13.98	6.00	12.40	17.80	2.15	2.20
China	205.70	272.55	23.00	209.00	291.00	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 - 627 - 23

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

<b>2022/23 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total 2/	Exports	Ending Stocks
World 3/	Jul	312.28	1,185.90	177.08	747.21	1,185.24	182.57	312.94
	Aug	311.84	1,179.61	179.78	746.01	1,184.77	185.62	306.68
World Less China	Jul	102.04	914.90	159.08	533.21	890.24	182.55	108.72
	Aug	101.60	908.61	161.78	532.01	889.77	185.60	102.46
United States	Jul	38.35	368.44	0.64	135.90	309.13	60.96	37.33
	Aug	38.86	364.73	0.64	135.26	308.62	60.33	35.27
Total Foreign	Jul	273.93	817.46	176.44	611.32	876.11	121.61	275.60
	Aug	272.98	814.88	179.14	610.75	876.14	125.29	271.41
Major Exporters 4/	Jul	16.22	237.80	1.36	102.00	125.90	104.50	24.97
	Aug	15.26	243.30	1.36	103.30	127.20	108.20	24.52
Argentina	Jul	1.49	55.00	0.01	10.00	14.00	41.00	1.49
	Aug	1.49	55.00	0.01	10.00	14.00	41.00	1.49
Brazil	Jul	4.65	126.00	1.30	65.50	77.00	47.00	7.95
	Aug	4.65	126.00	1.30	65.50	77.00	47.00	7.95
Russia	Jul	0.93	14.50	0.05	9.70	10.90	3.80	0.78
	Aug	0.93	15.00	0.05	10.00	11.20	4.00	0.78
South Africa	Jul	2.38	17.30	0.00	7.30	13.30	3.70	2.68
	Aug	1.92	17.30	0.00	7.30	13.30	3.70	2.22
Ukraine	Jul	6.77	25.00	0.00	9.50	10.70	9.00	12.07
	Aug	6.27	30.00	0.00	10.50	11.70	12.50	12.07
Major Importers 5/	Jul	21.31	134.57	93.10	165.90	221.55	5.89	21.54
	Aug	21.20	126.57	95.80	164.00	219.45	3.89	20.23
Egypt	Jul	1.59	7.44	9.20	13.90	16.40	0.01	1.83
	Aug	1.59	7.44	9.20	13.90	16.40	0.01	1.83
European Union 6/	Jul	8.68	68.00	16.00	58.80	79.40	4.70	8.58
	Aug	8.66	60.00	19.00	57.00	77.40	2.70	7.56
Japan	Jul	1.38	0.01	15.20	11.70	15.20	0.00	1.39
	Aug	1.38	0.01	15.20	11.70	15.20	0.00	1.39
Mexico	Jul	3.33	27.60	17.70	26.50	44.70	0.60	3.33
	Aug	3.33	27.60	17.70	26.50	44.70	0.60	3.33
Southeast Asia 7/	Jul	3.66	31.36	19.10	41.40	49.70	0.58	3.84
	Aug	3.58	31.36	18.80	41.30	49.60	0.58	3.55
South Korea	Jul	2.05	0.08	11.50	9.20	11.55	0.00	2.08
	Aug	2.05	0.08	11.50	9.20	11.55	0.00	2.08
Selected Other								
Canada	Jul	2.15	14.00	2.50	9.70	14.90	1.60	2.15
	Aug	2.20	14.00	2.50	9.70	14.90	1.60	2.20
China	Jul	210.24	271.00	18.00	214.00	295.00	0.02	204.22
	Aug	210.24	271.00	18.00	214.00	295.00	0.02	204.22

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 - 627 - 24

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

<b>2020/21</b>	Beginning Stocks	Production	Imports	Total /2 Domestic	Exports	Ending Stocks
World 3/	182.17	509.26	46.46	503.55	50.92	187.88
World Less China	65.67	360.96	42.25	353.26	48.70	71.38
United States	0.91	7.22	1.08	4.86	2.97	1.39
Total Foreign	181.26	502.04	45.38	498.69	47.95	186.49
Major Exporters 4/	41.22	191.63	2.01	149.52	38.31	47.03
Burma	1.01	12.60	0.00	10.50	1.90	1.21
India	33.90	124.37	0.00	101.07	20.20	37.00
Pakistan	1.15	8.42	0.01	3.80	3.88	1.90
Thailand	3.98	18.86	0.20	12.70	6.06	4.28
Vietnam	1.18	27.38	1.80	21.45	6.27	2.64
Major Importers 5/	128.87	240.06	17.05	255.07	2.71	128.21
China	116.50	148.30	4.22	150.29	2.22	116.50
European Union 6/	0.90	1.83	1.78	3.40	0.45	0.66
Indonesia	3.31	34.50	0.65	35.40	0.00	3.06
Nigeria	1.49	5.15	2.20	7.15	0.00	1.69
Philippines	3.60	12.42	2.20	14.45	0.00	3.76
Sel. Mideast 7/	1.22	2.31	3.25	5.83	0.00	0.95
Selected Other						
Brazil	0.24	8.00	0.63	7.35	0.95	0.57
C. Amer & Carib 8/	0.67	1.59	1.62	3.29	0.04	0.55
Egypt	1.23	4.00	0.22	4.30	0.01	1.15
Japan	1.98	7.57	0.65	8.20	0.11	1.89
Mexico	0.17	0.20	0.81	0.96	0.02	0.20
South Korea	1.14	3.51	0.43	4.00	0.05	1.02

**2021/22 Est.**

World 3/	187.88	513.65	53.62	516.71	54.60	184.82
World Less China	71.38	364.66	47.72	360.42	52.50	71.82
United States	1.39	6.09	1.21	4.72	2.65	1.32
Total Foreign	186.49	507.56	52.41	512.00	51.95	183.50
Major Exporters 4/	47.03	197.43	1.41	157.41	42.65	45.81
Burma	1.21	12.35	0.00	10.50	2.30	0.77
India	37.00	129.66	0.00	108.41	21.75	36.50
Pakistan	1.90	8.70	0.01	4.00	4.80	1.80
Thailand	4.28	19.65	0.20	13.00	7.20	3.93
Vietnam	2.64	27.07	1.20	21.50	6.60	2.81
Major Importers 5/	128.21	242.04	21.40	262.64	2.58	126.42
China	116.50	148.99	5.90	156.29	2.10	113.00
European Union 6/	0.66	1.71	2.30	3.50	0.44	0.74
Indonesia	3.06	34.40	0.55	35.15	0.00	2.86
Nigeria	1.69	5.26	2.20	7.25	0.00	1.90
Philippines	3.76	12.60	3.55	15.40	0.00	4.51
Sel. Mideast 7/	0.95	2.15	4.05	6.00	0.00	1.15
Selected Other						
Brazil	0.57	7.34	0.80	7.35	0.85	0.51
C. Amer & Carib 8/	0.55	1.63	1.82	3.36	0.04	0.61
Egypt	1.15	2.90	0.70	4.05	0.01	0.70
Japan	1.89	7.64	0.69	8.20	0.11	1.91
Mexico	0.20	0.18	0.80	0.97	0.01	0.21
South Korea	1.02	3.88	0.44	3.95	0.06	1.34

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 - 627 - 25

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

<b>2022/23 Proj.</b>		<b>Beginning Stocks</b>	<b>Production</b>	<b>Imports</b>	<b>Total /2 Domestic</b>	<b>Exports</b>	<b>Ending Stocks</b>
World 3/	Jul	186.64	514.76	53.14	518.63	54.61	182.76
	Aug	184.82	512.44	53.10	518.74	54.67	178.52
World Less China	Jul	73.64	365.76	47.14	362.03	52.21	73.76
	Aug	71.82	363.44	47.10	362.14	52.27	69.52
United States	Jul	1.33	5.54	1.37	4.60	2.51	1.13
	Aug	1.32	5.59	1.37	4.60	2.51	1.16
Total Foreign	Jul	185.31	509.22	51.77	514.03	52.11	181.64
	Aug	183.50	506.85	51.74	514.13	52.17	177.36
Major Exporters 4/	Jul	47.87	199.10	1.01	156.90	42.90	48.18
	Aug	45.81	197.10	1.01	156.90	42.90	44.12
Burma	Jul	0.77	12.50	0.00	10.50	2.10	0.67
	Aug	0.77	12.50	0.00	10.50	2.10	0.67
India	Jul	38.20	130.50	0.00	107.50	22.00	39.20
	Aug	36.50	128.50	0.00	107.50	22.00	35.50
Pakistan	Jul	1.80	8.90	0.01	4.10	4.90	1.71
	Aug	1.80	8.90	0.01	4.10	4.90	1.71
Thailand	Jul	4.13	19.80	0.20	13.10	7.50	3.53
	Aug	3.93	19.80	0.20	13.10	7.50	3.33
Vietnam	Jul	2.97	27.40	0.80	21.70	6.40	3.07
	Aug	2.81	27.40	0.80	21.70	6.40	2.91
Major Importers 5/	Jul	126.25	242.17	20.20	263.60	2.86	122.16
	Aug	126.42	241.71	20.40	263.75	2.86	121.92
China	Jul	113.00	149.00	6.00	156.60	2.40	109.00
	Aug	113.00	149.00	6.00	156.60	2.40	109.00
European Union 6/	Jul	0.69	1.46	2.40	3.45	0.42	0.68
	Aug	0.74	1.35	2.50	3.55	0.42	0.62
Indonesia	Jul	2.96	34.60	0.65	35.05	0.00	3.16
	Aug	2.86	34.60	0.55	35.00	0.00	3.01
Nigeria	Jul	1.90	5.36	2.20	7.45	0.00	2.00
	Aug	1.90	5.36	2.20	7.45	0.00	2.00
Philippines	Jul	4.41	12.41	3.10	15.50	0.00	4.42
	Aug	4.51	12.41	3.10	15.60	0.00	4.42
Sel. Mideast 7/	Jul	1.02	2.24	3.95	6.15	0.00	1.06
	Aug	1.15	2.24	3.95	6.15	0.00	1.19
Selected Other							
Brazil	Jul	0.45	7.10	0.85	7.30	0.65	0.45
	Aug	0.51	7.10	0.85	7.30	0.70	0.46
C. Amer & Carib 8/	Jul	0.61	1.57	1.89	3.42	0.03	0.62
	Aug	0.61	1.57	1.89	3.42	0.03	0.62
Egypt	Jul	0.70	2.90	0.85	4.00	0.01	0.44
	Aug	0.70	2.90	0.85	4.00	0.01	0.44
Japan	Jul	1.91	7.55	0.69	8.15	0.12	1.87
	Aug	1.91	7.55	0.69	8.15	0.12	1.87
Mexico	Jul	0.21	0.19	0.82	0.98	0.01	0.23
	Aug	0.21	0.19	0.82	0.98	0.01	0.23
South Korea	Jul	1.34	3.72	0.43	3.95	0.06	1.48
	Aug	1.34	3.72	0.43	3.95	0.06	1.48

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 - 627 - 26

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

<b>2020/21</b>	Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	97.79	111.37	49.08	121.68	48.49	-0.05	88.11
World Less China	60.89	81.87	36.22	81.68	48.48	-0.05	48.86
United States	7.25	14.61	3/	2.40	16.35	-0.04	3.15
Total Foreign	90.54	96.76	49.08	119.28	32.14	-0.01	84.96
Major Exporters 4/	39.25	53.78	1.60	34.62	27.63	-0.08	32.46
Central Asia 5/	2.80	5.45	0.01	3.82	1.99	0.00	2.45
Afr. Fr. Zone 6/	2.52	4.84	3/	0.11	5.31	0.00	1.93
S. Hemis. 7/	17.64	15.55	0.14	4.04	13.59	-0.09	15.79
Australia	1.20	2.80	3/	0.01	1.56	-0.10	2.52
Brazil	14.40	10.82	0.01	3.10	11.01	0.00	11.12
India	15.68	27.60	0.84	26.00	6.19	0.00	11.94
Major Importers 8/	48.87	39.77	45.06	80.67	3.10	0.07	49.85
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/	0.62	1.69	0.56	0.59	1.96	0.00	0.33
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	2.45	0.01	0.00	0.50
Thailand	0.10	3/	0.60	0.61	0.00	0.01	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
<b>2021/22 Est.</b>							
World	88.11	115.96	42.98	119.22	43.29	-0.18	84.72
World Less China	48.86	88.96	34.88	82.22	43.20	-0.18	47.46
United States	3.15	17.52	0.01	2.55	14.65	-0.02	3.50
Total Foreign	84.96	98.43	42.97	116.67	28.64	-0.16	81.22
Major Exporters 4/	32.46	55.42	1.75	33.73	24.38	-0.18	31.69
Central Asia 5/	2.45	4.95	0.02	3.77	1.57	0.00	2.08
Afr. Fr. Zone 6/	1.93	5.98	3/	0.11	5.72	-0.01	2.09
S. Hemis. 7/	15.79	19.58	0.16	4.23	12.83	-0.18	18.66
Australia	2.52	5.50	3/	0.01	3.90	-0.19	4.30
Brazil	11.12	12.00	0.03	3.20	7.73	0.00	12.22
India	11.94	24.50	1.00	25.00	3.90	0.00	8.54
Major Importers 8/	49.85	39.77	38.73	78.64	2.93	0.02	46.77
Mexico	0.43	1.22	0.98	1.85	0.40	0.03	0.35
China	39.25	27.00	8.10	37.00	0.09	0.00	37.26
European Union 9/	0.33	1.59	0.64	0.64	1.79	-0.05	0.19
Turkey	2.71	3.80	5.60	8.70	0.58	0.00	2.83
Pakistan	2.27	6.00	4.40	10.80	0.05	0.03	1.79
Indonesia	0.50	3/	2.55	2.55	0.01	0.00	0.49
Thailand	0.08	3/	0.74	0.71	0.00	0.01	0.10
Bangladesh	2.90	0.15	7.90	8.50	0.00	0.01	2.44
Vietnam	1.12	3/	6.75	6.80	0.00	0.00	1.08

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 - 627 - 27

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

<b>2022/23 Proj.</b>		Beginning Stocks	Production	Imports	Domestic Use	Exports	Loss /2	Ending Stocks
World	Jul	84.04	120.07	46.37	119.92	46.38	-0.10	84.26
	Aug	84.72	117.01	44.57	119.09	44.58	-0.13	82.77
World Less China	Jul	46.66	92.57	36.37	82.42	46.33	-0.10	46.94
	Aug	47.46	89.51	35.57	81.59	44.53	-0.13	46.56
United States	Jul	3.40	15.50	0.01	2.50	14.00	0.01	2.40
	Aug	3.50	12.57	0.01	2.30	12.00	-0.03	1.80
Total Foreign	Jul	80.64	104.57	46.37	117.42	32.38	-0.10	81.86
	Aug	81.22	104.44	44.57	116.79	32.58	-0.10	80.97
Major Exporters 4/	Jul	30.87	60.25	2.39	33.65	28.28	-0.17	31.74
	Aug	31.69	60.13	2.19	33.62	28.45	-0.17	32.10
Central Asia 5/	Jul	1.94	5.29	0.02	3.75	1.54	0.00	1.95
	Aug	2.08	5.20	0.02	3.72	1.54	0.00	2.03
Afr. Fr. Zone 6/	Jul	2.07	6.35	3/	0.11	6.03	0.00	2.27
	Aug	2.09	6.35	3/	0.11	6.06	0.00	2.27
S. Hemis. 7/	Jul	18.65	20.56	0.15	4.18	16.51	-0.18	18.85
	Aug	18.66	20.53	0.15	4.18	16.66	-0.18	18.68
Australia	Jul	4.20	5.50	3/	0.01	6.00	-0.19	3.88
	Aug	4.30	5.50	3/	0.01	6.20	-0.19	3.78
Brazil	Jul	12.34	13.00	0.02	3.20	9.30	0.00	12.86
	Aug	12.22	13.00	0.02	3.20	9.30	0.00	12.73
India	Jul	7.94	27.50	1.70	25.00	3.70	0.00	8.44
	Aug	8.54	27.50	1.50	25.00	3.70	0.00	8.84
Major Importers 8/	Jul	47.00	41.07	41.60	79.64	2.69	0.07	47.27
	Aug	46.77	41.07	40.01	79.04	2.72	0.07	46.01
Mexico	Jul	0.35	1.33	1.10	1.90	0.40	0.03	0.45
	Aug	0.35	1.33	1.10	1.90	0.40	0.03	0.45
China	Jul	37.38	27.50	10.00	37.50	0.05	0.00	37.33
	Aug	37.26	27.50	9.00	37.50	0.05	0.00	36.21
European Union 9/	Jul	0.24	1.58	0.58	0.61	1.53	0.00	0.26
	Aug	0.19	1.58	0.59	0.61	1.56	0.00	0.19
Turkey	Jul	2.86	4.30	5.00	8.60	0.65	0.00	2.91
	Aug	2.83	4.30	4.90	8.50	0.65	0.00	2.88
Pakistan	Jul	1.79	6.20	5.00	11.10	0.05	0.03	1.82
	Aug	1.79	6.20	4.80	10.90	0.05	0.03	1.82
Indonesia	Jul	0.49	3/	2.50	2.50	0.01	0.00	0.49
	Aug	0.49	3/	2.50	2.50	0.01	0.00	0.48
Thailand	Jul	0.10	3/	0.70	0.70	0.00	0.01	0.09
	Aug	0.10	3/	0.70	0.70	0.00	0.01	0.09
Bangladesh	Jul	2.54	0.16	8.50	8.60	0.00	0.01	2.59
	Aug	2.44	0.16	8.40	8.50	0.00	0.01	2.49
Vietnam	Jul	1.03	3/	7.20	7.10	0.00	0.00	1.13
	Aug	1.08	3/	7.00	6.90	0.00	0.00	1.18

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 - 627 - 28

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

<b>2020/21</b>		Beginning Stocks	Production	Imports	Domestic Crush	Domestic Total	Exports	Ending Stocks
World 2/		94.66	368.44	165.50	315.41	364.02	164.70	99.88
World Less China		70.05	348.84	65.74	222.41	251.28	164.63	68.72
United States		14.28	114.75	0.54	58.26	60.91	61.67	6.99
Total Foreign		80.39	253.70	164.96	257.15	303.12	103.03	92.89
Major Exporters 3/		47.41	197.31	5.86	90.21	100.84	94.81	54.93
Argentina		26.65	46.20	4.82	40.16	47.41	5.20	25.06
Brazil		20.42	139.50	1.02	46.68	49.88	81.65	29.40
Paraguay		0.33	9.90	0.02	3.30	3.47	6.33	0.45
Major Importers 4/		27.91	23.25	133.41	122.10	149.91	0.27	34.39
China		24.61	19.60	99.76	93.00	112.74	0.07	31.16
European Union		1.66	2.60	14.79	15.80	17.46	0.19	1.40
Southeast Asia		0.97	0.59	9.68	4.74	10.05	0.01	1.18
Mexico		0.37	0.25	6.10	6.20	6.25	0.00	0.46
<b>2021/22 Est.</b>								
World 2/		99.88	352.74	153.39	313.79	363.03	153.25	89.73
World Less China		68.72	336.34	63.39	226.79	256.31	153.15	58.99
United States		6.99	120.71	0.41	60.01	63.19	58.79	6.13
Total Foreign		92.89	232.04	152.98	253.78	299.84	94.47	83.60
Major Exporters 3/		54.93	176.22	4.01	92.23	102.76	87.10	45.30
Argentina		25.06	44.00	3.40	40.55	47.76	2.25	22.45
Brazil		29.40	126.00	0.55	50.00	53.25	80.00	22.71
Paraguay		0.45	4.20	0.05	1.60	1.68	2.90	0.13
Major Importers 4/		34.39	20.19	122.54	115.90	143.52	0.39	33.21
China		31.16	16.40	90.00	87.00	106.72	0.10	30.74
European Union		1.40	2.73	14.60	15.70	17.32	0.28	1.13
Southeast Asia		1.18	0.53	8.84	4.50	9.67	0.01	0.86
Mexico		0.46	0.29	5.80	6.20	6.25	0.00	0.30
<b>2022/23 Proj.</b>								
World 2/	Jul	88.73	391.40	166.12	327.13	377.75	168.89	99.61
	Aug	89.73	392.79	166.22	327.77	378.25	169.08	101.41
World Less China	Jul	57.99	373.90	68.12	232.13	262.16	168.79	69.05
	Aug	58.99	374.39	68.22	232.77	262.66	168.98	69.96
United States	Jul	5.85	122.61	0.41	61.10	64.49	58.11	6.27
	Aug	6.13	123.30	0.41	61.10	64.53	58.65	6.66
Total Foreign	Jul	82.88	268.79	165.71	266.03	313.25	110.79	93.34
	Aug	83.60	269.49	165.81	266.67	313.72	110.43	94.75
Major Exporters 3/	Jul	44.70	212.50	5.57	93.83	104.59	102.63	55.55
	Aug	45.30	212.50	5.57	94.58	105.34	102.23	55.80
Argentina	Jul	22.10	51.00	4.80	41.00	48.25	4.70	24.95
	Aug	22.45	51.00	4.80	41.00	48.25	4.30	25.70
Brazil	Jul	22.46	149.00	0.75	49.50	52.85	89.00	30.36
	Aug	22.71	149.00	0.75	50.25	53.60	89.00	29.86
Paraguay	Jul	0.13	10.00	0.01	3.25	3.41	6.50	0.23
	Aug	0.13	10.00	0.01	3.25	3.41	6.50	0.23
Major Importers 4/	Jul	33.17	21.53	132.53	125.10	154.05	0.33	32.84
	Aug	33.21	22.00	132.73	124.80	153.50	0.33	34.10
China	Jul	30.74	17.50	98.00	95.00	115.59	0.10	30.56
	Aug	30.74	18.40	98.00	95.00	115.59	0.10	31.46
European Union	Jul	0.96	3.00	15.00	16.10	17.93	0.22	0.81
	Aug	1.13	2.57	15.20	15.90	17.53	0.22	1.15
Southeast Asia	Jul	0.89	0.50	9.88	4.95	10.37	0.02	0.88
	Aug	0.86	0.50	9.88	4.85	10.22	0.02	1.00
Mexico	Jul	0.40	0.30	6.35	6.55	6.60	0.00	0.45
	Aug	0.30	0.30	6.35	6.55	6.60	0.00	0.35

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 - 627 - 29

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

<b>2020/21</b>		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		15.29	247.81	63.88	243.45	68.96	14.57
World Less China		15.29	174.16	63.80	170.77	67.91	14.57
United States		0.31	45.87	0.71	34.18	12.41	0.31
Total Foreign		14.98	201.94	63.16	209.27	56.55	14.26
Major Exporters 3/		6.91	75.10	0.26	28.42	46.93	6.92
Argentina		2.57	31.32	0.00	3.28	28.33	2.29
Brazil		3.77	36.18	0.02	19.15	16.58	4.25
India		0.57	7.60	0.24	6.00	2.03	0.38
Major Importers 4/		2.41	22.86	37.26	59.50	1.12	1.91
European Union		0.79	12.48	16.53	28.39	0.85	0.56
Mexico		0.15	4.90	1.85	6.75	0.01	0.15
Southeast Asia 5/		1.28	3.69	17.05	20.71	0.27	1.05
China		0.00	73.66	0.07	72.68	1.05	0.00
<b>2021/22 Est.</b>							
World 2/		14.57	246.12	64.20	242.08	68.71	14.09
World Less China		14.57	177.22	64.14	173.72	68.11	14.09
United States		0.31	46.86	0.54	34.93	12.43	0.36
Total Foreign		14.26	199.26	63.65	207.15	56.28	13.73
Major Exporters 3/		6.92	77.99	0.49	29.62	48.30	7.48
Argentina		2.29	31.63	0.00	3.32	28.40	2.21
Brazil		4.25	38.76	0.02	19.63	19.00	4.39
India		0.38	7.60	0.48	6.68	0.90	0.88
Major Importers 4/		1.91	22.70	38.00	59.80	1.08	1.73
European Union		0.56	12.40	16.80	28.44	0.75	0.57
Mexico		0.15	4.90	1.90	6.83	0.01	0.12
Southeast Asia 5/		1.05	3.50	17.50	20.83	0.32	0.90
China		0.00	68.90	0.06	68.36	0.60	0.00
<b>2022/23 Proj.</b>							
World 2/	Jul	13.90	256.84	65.07	251.70	69.88	14.24
	Aug	14.09	257.33	65.22	251.85	70.14	14.66
World Less China	Jul	13.90	181.60	65.02	177.41	68.88	14.24
	Aug	14.09	182.09	65.17	177.56	69.14	14.66
United States	Jul	0.36	47.95	0.41	35.56	12.70	0.45
	Aug	0.36	47.95	0.41	35.56	12.70	0.45
Total Foreign	Jul	13.54	208.89	64.66	216.13	57.18	13.78
	Aug	13.73	209.39	64.81	216.29	57.44	14.21
Major Exporters 3/	Jul	7.31	78.34	0.12	30.33	48.20	7.24
	Aug	7.48	78.92	0.12	30.53	48.40	7.59
Argentina	Jul	2.19	31.98	0.00	3.38	28.50	2.30
	Aug	2.21	31.98	0.00	3.38	28.50	2.31
Brazil	Jul	4.34	38.36	0.02	20.15	18.10	4.46
	Aug	4.39	38.94	0.02	20.15	18.70	4.50
India	Jul	0.78	8.00	0.10	6.81	1.60	0.48
	Aug	0.88	8.00	0.10	7.01	1.20	0.78
Major Importers 4/	Jul	1.85	23.64	38.30	60.83	1.11	1.85
	Aug	1.73	23.41	38.30	60.58	1.06	1.80
European Union	Jul	0.58	12.72	16.75	28.69	0.80	0.55
	Aug	0.57	12.56	16.75	28.64	0.75	0.49
Mexico	Jul	0.14	5.18	1.93	7.05	0.01	0.19
	Aug	0.12	5.18	1.93	7.00	0.01	0.21
Southeast Asia 5/	Jul	0.99	3.86	17.80	21.38	0.31	0.97
	Aug	0.90	3.79	17.80	21.23	0.31	0.96
China	Jul	0.00	75.24	0.05	74.29	1.00	0.00
	Aug	0.00	75.24	0.05	74.29	1.00	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 - 627 - 30

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

<b>2020/21</b>		Beginning Stocks	Production	Imports	Domestic Total	Exports	Ending Stocks
World 2/		5.30	59.23	11.74	58.49	12.61	5.16
World Less China		4.59	42.56	10.51	40.87	12.57	4.23
United States		0.84	11.35	0.14	10.58	0.79	0.97
Total Foreign		4.46	47.88	11.60	47.92	11.82	4.20
Major Exporters 3/		1.53	20.54	0.75	12.48	9.02	1.32
Argentina		0.55	7.93	0.00	2.04	6.14	0.30
Brazil		0.48	8.99	0.25	7.96	1.26	0.50
European Union		0.44	3.00	0.49	2.43	1.06	0.44
Major Importers 4/		1.48	19.87	6.74	26.41	0.21	1.47
China		0.70	16.67	1.23	17.63	0.04	0.93
India		0.14	1.71	3.25	4.94	0.01	0.15
North Africa 5/		0.43	0.99	1.61	2.61	0.13	0.29
<b>2021/22 Est.</b>							
World 2/		5.16	59.18	11.37	59.03	12.26	4.43
World Less China		4.23	43.59	10.77	42.28	12.15	4.16
United States		0.97	11.84	0.15	11.20	0.81	0.95
Total Foreign		4.20	47.34	11.23	47.84	11.46	3.47
Major Exporters 3/		1.32	20.92	0.61	12.62	8.76	1.47
Argentina		0.30	8.01	0.06	2.61	5.25	0.50
Brazil		0.50	9.63	0.05	7.50	2.18	0.50
European Union		0.44	2.98	0.50	2.46	1.03	0.44
Major Importers 4/		1.47	18.83	6.76	26.07	0.22	0.77
China		0.93	15.59	0.60	16.75	0.11	0.26
India		0.15	1.71	3.90	5.60	0.02	0.15
North Africa 5/		0.29	1.03	1.62	2.58	0.09	0.27
<b>2022/23 Proj.</b>							
World 2/	Jul	4.30	61.48	12.14	60.65	12.81	4.46
	Aug	4.43	61.60	12.00	60.49	12.91	4.63
World Less China	Jul	4.02	44.46	11.04	42.95	12.72	3.85
	Aug	4.16	44.58	11.00	42.89	12.82	4.03
United States	Jul	0.89	11.93	0.23	11.66	0.64	0.75
	Aug	0.95	11.93	0.23	11.66	0.64	0.82
Total Foreign	Jul	3.42	49.55	11.91	49.00	12.17	3.71
	Aug	3.47	49.67	11.77	48.83	12.27	3.81
Major Exporters 3/	Jul	1.42	21.31	0.60	12.53	9.45	1.36
	Aug	1.47	21.42	0.60	12.53	9.53	1.44
Argentina	Jul	0.41	8.10	0.00	2.37	5.80	0.35
	Aug	0.50	8.10	0.00	2.37	5.80	0.44
Brazil	Jul	0.51	9.53	0.10	7.65	2.00	0.49
	Aug	0.50	9.68	0.10	7.65	2.13	0.50
European Union	Jul	0.48	3.06	0.50	2.46	1.10	0.49
	Aug	0.44	3.02	0.50	2.46	1.05	0.46
Major Importers 4/	Jul	0.77	20.49	7.19	27.11	0.21	1.13
	Aug	0.77	20.48	7.01	26.91	0.21	1.14
China	Jul	0.28	17.02	1.10	17.70	0.09	0.62
	Aug	0.26	17.02	1.00	17.60	0.09	0.60
India	Jul	0.15	1.80	3.70	5.47	0.02	0.17
	Aug	0.15	1.80	3.70	5.47	0.02	0.17
North Africa 5/	Jul	0.25	1.13	1.61	2.62	0.11	0.27
	Aug	0.27	1.13	1.61	2.62	0.11	0.29

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, Bangladesh, and North Africa. 5/ Algeria, Egypt, Morocco, and Tunisia. Totals may not add due to rounding.

## WASDE - 627 - 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>
2021	III	6,979	6,530	13,554	11,581	1,403	13,125	26,679	2,299	55.8
	IV	7,106	7,185	14,341	11,193	1,366	12,689	27,030	2,371	55.4
	Annual	27,948	27,675	55,815	44,899	5,558	50,995	106,810	9,238	226.3
2022	I	7,022	6,904	13,972	11,170	1,374	12,678	26,650	2,295	56.3
	II	7,068	6,639	13,755	11,268	1,275	12,686	26,441	2,207	57.9
	III*	7,150	6,460	13,657	11,625	1,310	13,075	26,732	2,240	56.4
	IV*	6,750	7,075	13,874	11,300	1,355	12,780	26,654	2,325	56.2
	Annual									
	Jul Proj. Aug Proj.	27,922 27,990	27,159 27,078	55,268 55,258	45,295 45,363	5,359 5,314	51,189 51,219	106,456 106,476	9,050 9,067	226.0 226.8
2023	I*	6,545	7,000	13,590	11,225	1,385	12,740	26,330	2,325	57.1
	II*	6,505	6,545	13,095	11,400	1,410	12,945	26,040	2,370	58.4
	Annual									
	Jul Proj. Aug Proj.	25,940 26,265	27,520 27,520	53,637 53,968	45,675 45,675	5,650 5,640	51,845 51,835	105,482 105,803	9,490 9,495	228.3 229.2

\* 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>
2021	III	123.51	76.15	105.4	129.7	120.1	17.90
	IV	132.36	56.36	110.9	133.4	131.8	20.67
	Annual	122.40	67.29	101.2	122.8	118.5	18.53
2022	I	139.25	65.55	135.1	131.4	170.8	24.93
	II	141.93	75.58	167.5	143.9	251.6	27.10
	III*	140.00	85.00	142.0	166.0	240.0	24.75
	IV*	147.00	69.00	140.0	164.0	185.0	24.10
	Annual						
	Jul Proj. Aug Proj.	141.3 142.1	70.8 73.8	152.9 146.1	147.8 151.3	210.6 211.9	26.15 25.20
2023	I*	151.00	66.00	150.0	145.0	165.0	23.05
	II*	152.00	74.00	151.0	144.0	145.0	22.15
	Annual						
	Jul Proj. Aug Proj.	153 154	70 70	149 146	143 146	151 151	24.15 22.50

\*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 - 627 - 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	2021	716	28,016	3,346	32,078	3,441	676	27,962	58.9
	2022 Proj. Jul	676	27,990	3,515	32,181	3,496	715	27,970	58.8
	Aug	676	28,058	3,459	32,192	3,561	730	27,902	58.6
	2023 Proj. Jul	715	26,008	3,200	29,923	2,980	640	26,303	55.0
	Aug	730	26,333	3,200	30,263	3,020	640	26,603	55.7
	Pork	2021	467	27,690	1,180	29,337	7,026	446	21,865
2022 Proj. Jul		446	27,174	1,553	29,172	6,576	565	22,031	51.3
Aug		446	27,093	1,547	29,086	6,574	565	21,946	51.1
2023 Proj. Jul		565	27,535	1,625	29,725	6,515	610	22,600	52.4
Aug		565	27,535	1,625	29,725	6,515	610	22,600	52.4
Total Red Meat 5/		2021	1,217	55,906	4,890	62,014	10,470	1,147	50,397
	2022 Proj. Jul	1,147	55,359	5,436	61,943	10,076	1,307	50,560	111.6
	Aug	1,147	55,349	5,367	61,863	10,139	1,322	50,402	111.2
	2023 Proj. Jul	1,307	53,729	5,195	60,231	9,499	1,277	49,455	108.9
	Aug	1,322	54,060	5,190	60,571	9,539	1,277	49,755	109.6
	Broiler	2021	830	44,419	155	45,403	7,355	705	37,343
2022 Proj. Jul		705	44,810	176	45,691	7,416	750	37,525	96.7
Aug		705	44,878	180	45,762	7,258	760	37,744	97.3
2023 Proj. Jul		750	45,186	152	46,088	7,465	750	37,873	97.3
Aug		760	45,186	152	46,098	7,370	750	37,978	97.6
Turkey		2021	223	5,558	22	5,804	548	166	5,090
	2022 Proj. Jul	166	5,359	34	5,559	402	170	4,986	15.0
	Aug	166	5,314	55	5,535	406	170	4,959	14.9
	2023 Proj. Jul	170	5,650	28	5,848	395	170	5,283	15.8
	Aug	170	5,640	34	5,844	410	170	5,264	15.7
	Total Poultry 6/	2021	1,057	50,514	180	51,751	7,947	874	42,930
2022 Proj. Jul		874	50,704	215	51,792	7,862	924	43,007	113.2
Aug		874	50,733	240	51,847	7,705	934	43,209	113.7
2023 Proj. Jul		924	51,356	183	52,463	7,900	924	43,639	114.5
Aug		934	51,346	189	52,469	7,820	924	43,725	114.7
Red Meat & Poultry		2021	2,274	106,420	5,070	113,765	18,418	2,021	93,327
	2022 Proj. Jul	2,021	106,063	5,651	113,735	17,937	2,231	93,567	224.8
	Aug	2,021	106,082	5,607	113,711	17,844	2,256	93,611	224.9
	2023 Proj. Jul	2,231	105,085	5,378	112,694	17,399	2,201	93,094	223.4
	Aug	2,256	105,406	5,379	113,040	17,359	2,201	93,480	224.3

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 - 627 - 33

## U.S. Egg Supply and Use

	2020	2021	2022 Proj. Jul	2022 Proj. Aug	2023 Proj. Jul	2023 Proj. Aug
<b>Eggs</b>	<i>Million Dozen</i>					
<b>Supply</b>						
Beginning Stocks	31.6	24.5	19.1	19.1	19.0	19.0
Production	9,291.8	9,237.8	9,050.1	9,067.4	9,490.0	9,495.0
Imports	15.5	18.2	22.6	22.0	18.5	18.5
<b>Total Supply</b>	<b>9,338.9</b>	<b>9,280.5</b>	<b>9,091.9</b>	<b>9,108.5</b>	<b>9,527.5</b>	<b>9,532.5</b>
<b>Use</b>						
Exports	344.0	392.2	254.1	242.8	320.0	300.0
Hatching Use	1,078.5	1,103.9	1,120.9	1,120.5	1,140.0	1,140.0
Ending Stocks	24.5	19.1	19.0	19.0	21.0	21.0
Disappearance						
<b>Total</b>	<b>7,891.8</b>	<b>7,765.3</b>	<b>7,697.9</b>	<b>7,726.3</b>	<b>8,046.5</b>	<b>8,071.5</b>
Per Capita (number)	285.5	280.5	277.3	278.3	288.7	289.7

## U.S. Milk Supply and Use

	2020	2021	2022 Proj. Jul	2022 Proj. Aug	2023 Proj. Jul	2023 Proj. Aug
<b>Milk</b>	<i>Billion Pounds</i>					
<b>Production</b>						
Farm Use	1.1	1.0	1.1	1.1	1.1	1.1
<b>Fat Basis Supply</b>						
Beginning Stocks	13.6	15.6	14.3	14.3	12.9	13.0
Marketings	222.2	225.2	224.9	225.7	227.3	228.1
Imports	6.8	6.5	7.1	7.0	6.9	6.8
<b>Total Supply</b>	<b>242.6</b>	<b>247.4</b>	<b>246.3</b>	<b>247.0</b>	<b>247.0</b>	<b>248.0</b>
<b>Fat Basis Use</b>						
Exports	9.3	11.5	12.2	12.9	11.6	11.7
Ending Stocks	15.6	14.3	12.9	13.0	13.6	14.3
Domestic Use	217.8	221.5	221.2	221.1	221.8	222.1
<b>Skim-solid Basis Supply</b>						
Beginning Stocks	10.2	10.9	11.1	11.1	11.2	11.5
Marketings	222.2	225.2	224.9	225.7	227.3	228.1
Imports	5.6	5.8	6.1	6.1	6.0	5.9
<b>Total Supply</b>	<b>238.0</b>	<b>241.9</b>	<b>242.1</b>	<b>242.9</b>	<b>244.4</b>	<b>245.5</b>
<b>Skim-solid Basis Use</b>						
Exports	47.2	50.8	50.5	51.3	51.0	51.2
Ending Stocks	10.9	11.1	11.2	11.5	12.0	12.1
Domestic Use	179.9	180.0	180.5	180.0	181.4	182.2

Dairy domestic use for 2020 includes additional milk marketed but not processed. Note: Totals may not add due to rounding.

## WASDE - 627 - 34

## U.S. Dairy Prices

	2020	2021	2022 Proj. Jul	2022 Proj. Aug	2023 Proj. Jul	2023 Proj. Aug
Product Prices 1/			<i>Dollars Per Pound</i>			
Cheese	1.9236	1.6755	2.185	2.075	2.070	1.975
Butter	1.5808	1.7325	2.780	2.785	2.440	2.375
Nonfat Dry Milk	1.0417	1.2693	1.755	1.665	1.645	1.450
Dry Whey	0.3621	0.5744	0.640	0.610	0.515	0.485
			<i>Dollars Per Cwt</i>			
Milk Prices 2/						
Class III	18.16	17.08	22.80	21.60	20.85	19.70
Class IV	13.49	16.09	24.70	23.95	22.30	20.35
All Milk 3/	18.13	18.53	26.15	25.20	24.15	22.50

All prices are January-December averages. 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 - 627 - 35

## Reliability of August Projections 1/

Note: Tables on pages 35-37 present a record of the August projection and the final Estimate. Using world wheat production as an example, the "root mean square error" means that chances are 2 out of 3 that the current forecast will not be above or below the final estimate by more than 2.2 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 3.7 percent. The average difference between the August projection and the final estimate is 10.4 million tons, ranging from 0.2 million to 32.1 million tons. The August projection has been below the estimate 28 times and above 13 times.

	Root mean square error	90 percent confidence interval	Differences between forecast and final estimate				
			Average	Smallest	Largest	Years	
						Below Final	Above Final
<b>WHEAT</b>	<i>Percent</i>		<i>Million Metric Tons</i>				
Production							
World	2.2	3.7	10.4	0.2	32.1	28	13
U.S.	2.3	3.9	1.1	0.0	4.2	16	25
Foreign	2.5	4.2	10.2	0.6	31.1	28	13
Exports							
World	5.7	9.7	6.3	0.4	19.1	31	10
U.S.	10.8	18.2	2.6	0.0	10.0	18	22
Foreign	7.1	11.9	6.1	0.3	20.5	30	11
Domestic Use							
World	1.9	3.2	8.5	0.2	34.8	22	19
U.S.	7.4	12.4	2.0	0.0	5.5	13	28
Foreign	1.9	3.2	8.3	0.2	34.6	25	16
Ending Stocks							
World	9.0	15.2	11.3	0.3	31.2	31	10
U.S.	14.9	25.1	2.9	0.5	12.6	26	15
Foreign	9.7	16.3	9.8	0.1	28.7	31	10
<b>COARSE GRAINS 2/</b>							
Production							
World	2.4	4.0	18.8	0.4	53.7	31	10
U.S.	6.0	10.1	10.0	0.0	31.4	25	16
Foreign	2.5	4.2	14.8	0.7	58.4	28	13
Exports							
World	7.0	11.7	6.8	0.1	23.8	29	12
U.S.	20.6	34.7	7.5	0.4	19.7	18	23
Foreign	13.9	23.3	7.6	1.4	19.9	27	14
Domestic Use							
World	1.6	2.7	12.7	0.2	36.8	23	18
U.S.	4.1	6.9	6.9	0.2	17.0	23	18
Foreign	1.8	3.0	11.2	1.1	39.2	26	15
Ending Stocks							
World	16.1	27.1	21.8	0.1	171.8	32	9
U.S.	35.7	60.1	10.7	0.3	43.5	21	20
Foreign	16.6	28.0	15.4	0.2	154.8	33	8
<b>RICE, milled</b>							
Production							
World	2.3	3.8	6.4	0.1	24.4	27	14
U.S.	5.5	9.3	0.3	0.0	0.7	21	20
Foreign	2.3	3.9	6.4	0.4	24.7	28	13
Exports							
World	9.3	15.6	1.9	0.0	6.9	29	12
U.S.	11.3	19.1	0.2	0.0	1.0	19	20
Foreign	10.3	17.3	1.9	0.1	6.8	28	13
Domestic Use							
World	1.8	3.1	4.3	0.1	23.5	31	10
U.S.	8.2	13.9	0.2	0.0	0.5	19	22
Foreign	1.8	3.1	4.4	0.0	24.0	30	11
Ending Stocks							
World	12.2	20.5	6.6	0.1	27.3	32	9
U.S.	29.5	49.7	0.2	0.0	1.0	25	15
Foreign	13.1	22.0	6.6	0.1	27.1	32	9

1/ Footnotes at end of table.

CONTINUED

## WASDE - 627 - 36

## Reliability of August Projections (Continued) 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average			Years	
Average			Smallest	Largest	Below Final	Above Final	
<b>SOYBEANS</b>	<i>Percent</i>		<i>Million Metric Tons</i>				
Production							
World	4.8	8.0	7.8	0.3	30.9	22	19
U.S.	6.0	10.1	3.4	0.0	11.1	22	18
Foreign	7.7	12.9	7.2	1.1	33.5	20	21
Exports							
World	7.1	12.0	3.7	0.0	18.2	26	14
U.S.	12.2	20.5	3.0	0.0	9.8	24	16
Foreign	19.1	32.2	3.4	0.0	21.3	20	21
Domestic Use							
World	3.5	5.8	5.1	0.0	15.9	25	16
U.S.	4.9	8.3	1.7	0.0	4.6	25	16
Foreign	4.0	6.7	4.7	0.6	15.4	24	17
Ending Stocks							
World	16.3	27.5	4.8	0.1	23.5	20	21
U.S.	70.6	118.9	2.9	0.3	12.9	14	27
Foreign	18.4	31.1	4.7	0.2	21.3	24	17
<b>COTTON</b>	<i>Million 480-Pound Bales</i>						
Production							
World	4.9	8.3	3.5	0.0	13.2	21	19
U.S.	8.4	14.2	1.1	0.0	3.9	20	20
Foreign	5.3	8.9	3.0	0.0	10.9	21	19
Exports							
World	9.7	16.3	2.5	0.1	10.2	19	22
U.S.	21.0	35.4	1.2	0.0	3.2	21	20
Foreign	12.4	20.9	1.9	0.1	8.5	21	20
Domestic Use							
World	5.1	8.5	3.6	0.3	20.7	16	25
U.S.	9.9	16.7	0.4	0.0	1.3	19	19
Foreign	5.1	8.6	3.5	0.3	20.1	17	24
Ending Stocks							
World	14.8	25.0	5.9	0.2	18.5	27	14
U.S.	44.6	75.1	1.4	0.0	5.1	15	25
Foreign	14.9	25.2	5.2	0.1	18.6	29	12

1/ Marketing years 1981/82 through 2021/22 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 2020/21, and for 2021/22 the last month's estimate. 2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

## WASDE - 627 - 37

## Reliability of United States August Projections 1/

	Differences between forecast and final estimate						
	Root mean square error	90 percent confidence interval	Average	Smallest	Largest	Years Below Final	Years Above Final
<b>CORN</b>	<i>Percent</i>		<i>Million Bushels</i>				
Production	6.5	10.9	375	1	1,096	24	17
Exports	21.5	36.2	270	12	750	18	23
Domestic Use	4.5	7.5	278	10	590	25	16
Ending Stocks	40.7	68.6	395	12	1,674	20	21
<b>SORGHUM</b>							
Production	7.8	13.2	32	1	108	22	19
Exports	33.5	56.4	43	1	160	20	21
Domestic Use	27.8	46.9	44	0	130	19	20
Ending Stocks	57.2	96.4	36	2	201	16	25
<b>BARLEY</b>							
Production	6.2	10.5	15	1	67	15	26
Exports	64.8	109.1	12	0	82	19	18
Domestic Use	10.2	17.2	23	0	82	14	26
Ending Stocks	19.3	32.5	21	0	94	18	22
<b>OATS</b>							
Production	9.8	16.4	13	0	57	7	33
Exports	93.4	157.3	1	0	8	10	12
Domestic Use	7.0	11.8	14	1	39	11	30
Ending Stocks	23.3	39.2	14	0	40	18	22
<b>SOYBEAN MEAL</b>	<i>Thousand Short Tons</i>						
Production	4.9	8.2	1,298	32	3,669	28	13
Exports	15.4	25.9	926	50	3,500	25	16
Domestic Use	4.0	6.7	800	24	3,800	25	16
Ending Stocks	41.8	70.4	53	0	428	13	16
<b>SOYBEAN OIL</b>	<i>Million Pounds</i>						
Production	4.9	8.2	637	11	2,290	28	13
Exports	33.2	55.9	418	0	1,575	19	19
Domestic Use	4.3	7.2	506	8	2,200	26	15
Ending Stocks	32.3	54.4	465	0	1,472	22	18
<b>ANIMAL PROD.</b>	<i>Million Pounds</i>						
Beef	4.0	6.8	799	110	2,536	27	13
Pork	3.0	5.1	412	10	1,375	23	17
Broilers	2.2	3.7	556	5	1,338	21	19
Turkeys	3.9	6.5	152	2	458	21	19
	<i>Million Dozen</i>						
Eggs	2.0	3.4	117	4	420	25	15
	<i>Billion Pounds</i>						
Milk	1.7	2.9	2.2	0.1	7.0	22	18

1/ See pages 35 and 36 for record of reliability for U.S. wheat, rice, soybeans, and cotton. Marketing years 1981/82 through 2021/22 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 2021/22. Calendar years 1982 through 2021 for meats, eggs, and milk. Final for animal products is defined as the latest annual production estimate published by NASS for 1982-2021.

---

## Related USDA Reports

---

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

---

## Supply and Demand Database

---

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

---

## Foreign Production Assessments

---

Preliminary foreign production assessments and satellite imagery analysis used to prepare the *WASDE* report are provided by the International Production Assessment Division (IPAD) of the Foreign Agricultural Service. IPAD is located at <https://ipad.fas.usda.gov/>.

---

## Metric Conversion Factors

---

**1 Hectare = 2.4710 Acres**

**1 Kilogram = 2.20462 Pounds**

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



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

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

**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](mailto:mirvat.sewadeh@usda.gov)

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

**WASDE-627 – August 12, 2022**

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.