United States Department of Agriculture

Foreign Agricultural Service

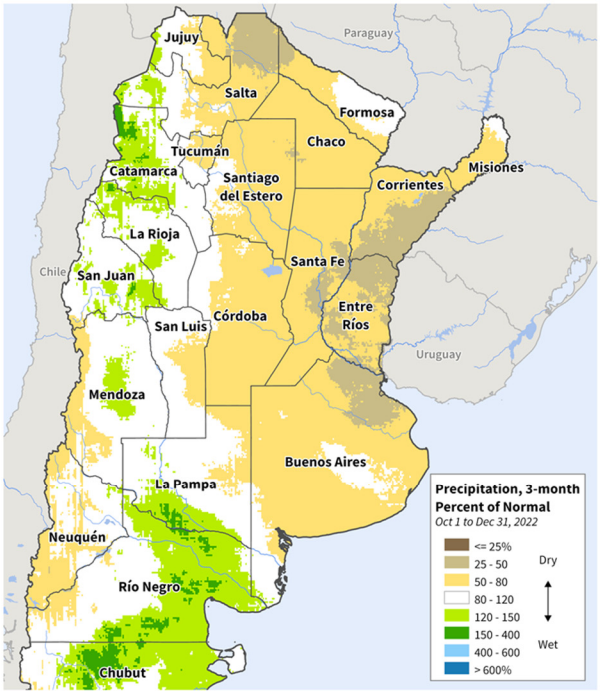
Circular Series
WAP 1-23
January 2023

World Agricultural Production

Argentina Corn: More Late-Planted Corn Will Lower Yield Potential

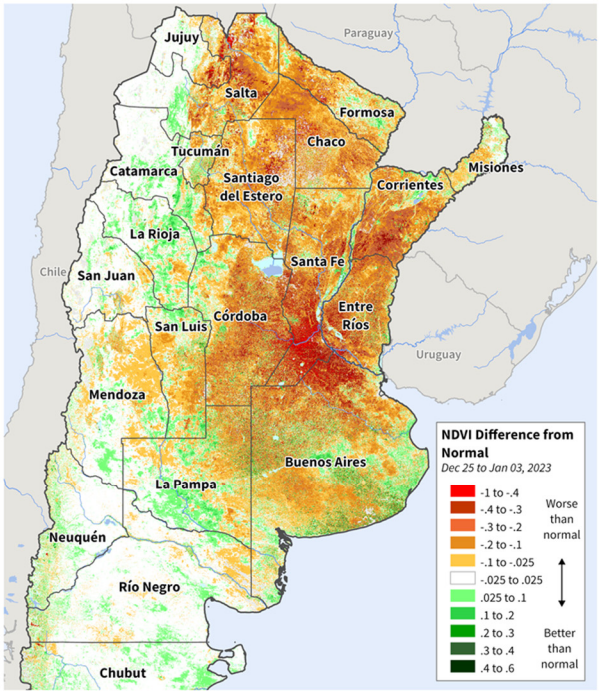
Argentina corn production for marketing year 2022/23 is estimated at 52.0 million metric tons, down 5 percent from last month, but up 5 percent from last year. Corn yield is estimated at 7.54 tons per hectare, down 4 percent from last month, but up 8 percent from last year. Harvested area is estimated at 6.9 million hectares (mha), down 1 percent from last month, and down 3 percent from last year.

Argentina: Percent of Normal Precipitation 3-Month (CHIRPS)



Source: USCB CHIRPS
https://www.chc.ucsb.edu/data/chirps

Argentina NDVI Difference from Normal

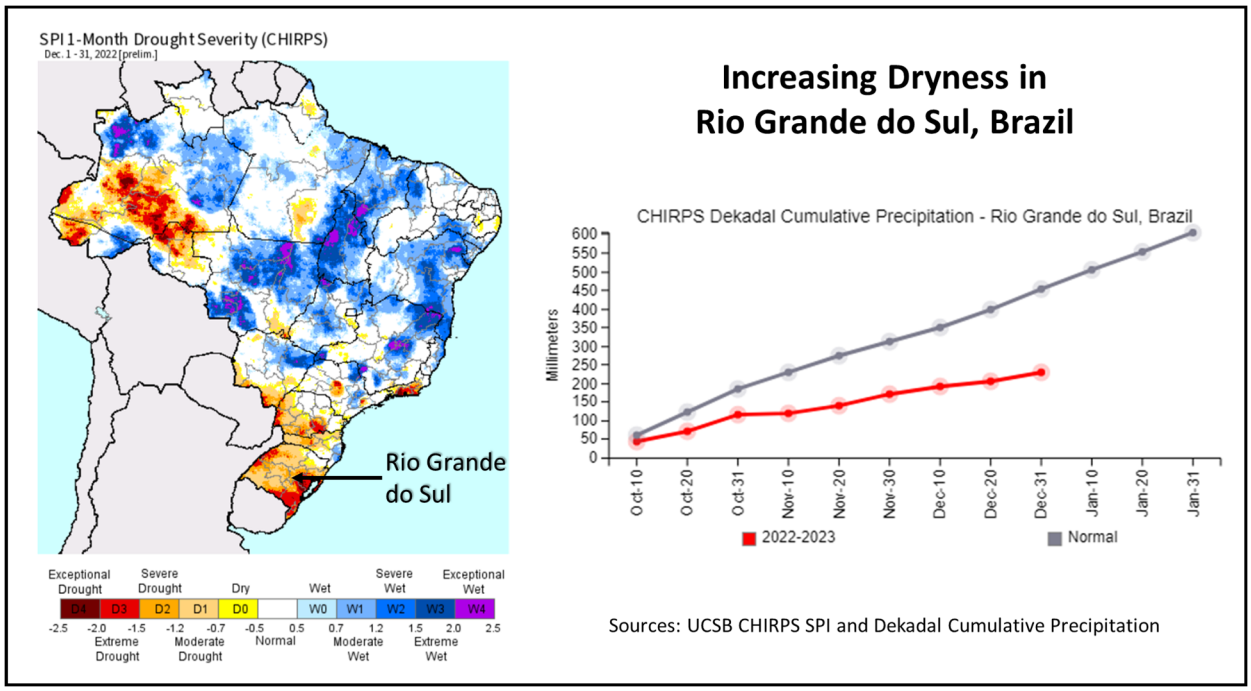


Source: USDA/NASA, MODIS NDVI Anomaly imagery
https://modis-land.gsfc.nasa.gov/

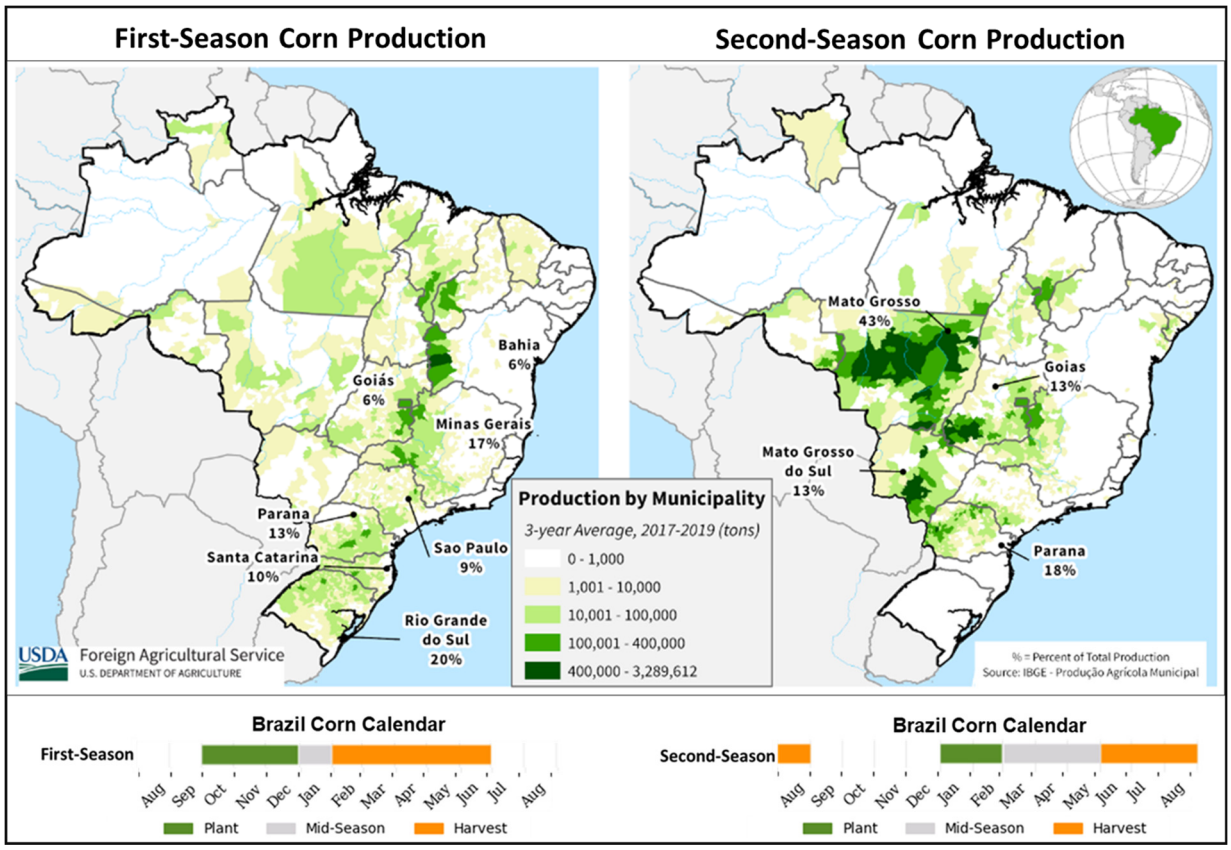
According to Argentina's Bolsa de Cereales Buenos Aires, planting for corn is ongoing and as of January 5th, approximately 5.1 mha has been planted. The late-planted corn will continue to be planted over the next few weeks. This year, there is a higher percentage of late-planted corn as compared to early-planted corn and the ratio has slowly been shifting to late-planted corn over the last few years. The late-planted corn is usually lower yielding than the early-planted crop. Additionally, conditions from October through December have been drier than normal. Satellite-

derived early-season vegetation crop condition signals are indicating a below-average start to the season. *(For more information, please contact Katie.McGaughey@usda.gov.)*

Brazil Corn: First-Crop Corn Affected by Dryness; Production Decreased by 1 Percent



USDA estimates Brazil total corn production for marketing year (MY) 2022/23 at 125.0 million metric tons (mmt), down 1.0 mmt (1 percent) from last month, but up from last year's crop by 9.0 mmt (8 percent). Total harvested area is estimated at a record 22.7 million hectares (mha), unchanged from last month, and up 0.9 mha (4 percent) from last year. Yield is estimated at 5.51 tons per hectare, down 1 percent from last month, but 3 percent higher than last year's yield and 6 percent above the 5-year average.

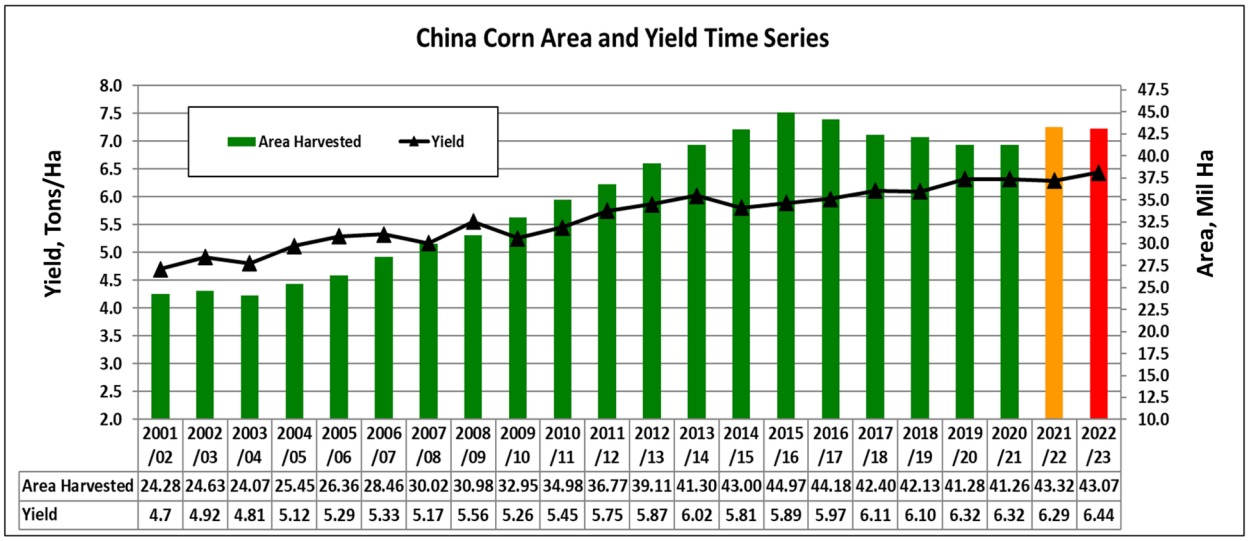


Yield expectations decreased from last month due to dryness in southern Brazil in December, affecting the first-crop corn in Rio Grande do Sul and in Paraná. Precipitation has been below normal in December, although temperatures have not been excessive. First-crop corn was in yield-sensitive reproduction stages during the dryness. First-crop corn (about 27 percent of national production) is planted mainly in October and November and harvested starting in February. It is grown predominantly in southern Brazil. Second-crop corn (about 73 percent of national production) is grown in Brazil's Center-West region; it is planted after the harvest of soybeans, generally in January through March. Harvest starts in June for the larger, export-oriented, second-season corn. *(For more information, please contact Robert.Tetrault@usda.gov.)*

China Corn: Record Production and Yield Based on Harvest Results

China corn production for marketing year (MY) 2022/23 is estimated at a record 277.2 million metric tons (mmt), up 3.2 million or 1 percent from last month, up 2 percent from last year and 6 percent above the 5-year average of 262.0 mmt. Yield is estimated at a record 6.44 metric tons per hectare (mt/ha), up 1 percent from last month, up 2 percent from last year and 3 percent above the 5-year average. Area is estimated at 43.1 million hectares, up slightly from last month, but down approximately 0.3 million or 1 percent from last year. In recent years there have been either marginal increases or stable corn area in the major production provinces of Heilongjiang, Jilin, Shandong, Henan, Inner Mongolia, and Hebei. The current estimate was confirmed by China's National Bureau of Statistics grain production data published in December 2022. Favorable growing conditions played a major role for realization of a record corn crop, but it is also attributed

to changes in agricultural policy. Farmers were encouraged by policies increasing the crop rotation of grain crops, targeted incentives, and subsidies to corn processors and ethanol initiatives.

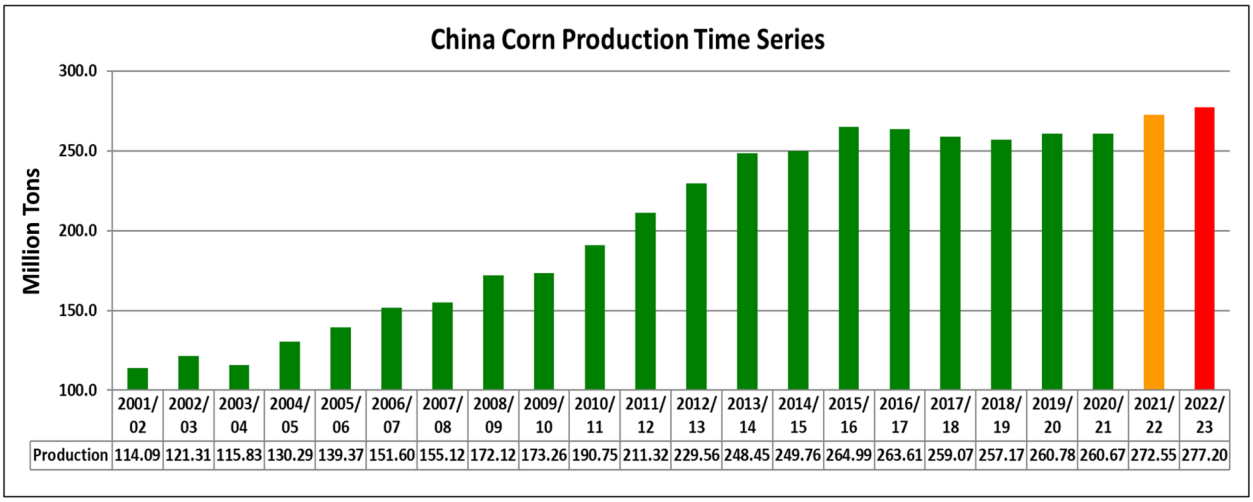


	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Area Harvested	24.28	24.63	24.07	25.45	26.36	28.46	30.02	30.98	32.95	34.98	36.77	39.11	41.30	43.00	44.97	44.18	42.40	42.13	41.28	41.26	43.32	43.07
Yield	4.7	4.92	4.81	5.12	5.29	5.33	5.17	5.56	5.26	5.45	5.75	5.87	6.02	5.81	5.89	5.97	6.11	6.10	6.32	6.32	6.29	6.44

Source: USDA PSD Online

The 2022/23 season was characterized by favorable growing conditions across the major corn belt in the northeast and north central plains. In general, the best crop weather for a major part of the growing season was in the Northeast Provinces of Heilongjiang, Jilin, and Nei Mongol, where at least half of the nation's corn is produced. The conditions facilitated rapid planting and crop establishment, resulting in favorable corn yield expectations.

Some minor corn production regions in the southeast (including Sichuan) experienced anomalously high temperatures and dry conditions that may have resulted in lower-than-expected yields. The major production regions experienced favorable rainfall and soil moisture conditions throughout the season, though, significantly offsetting the low productivity in southeast regions. Harvest is typically complete in October.



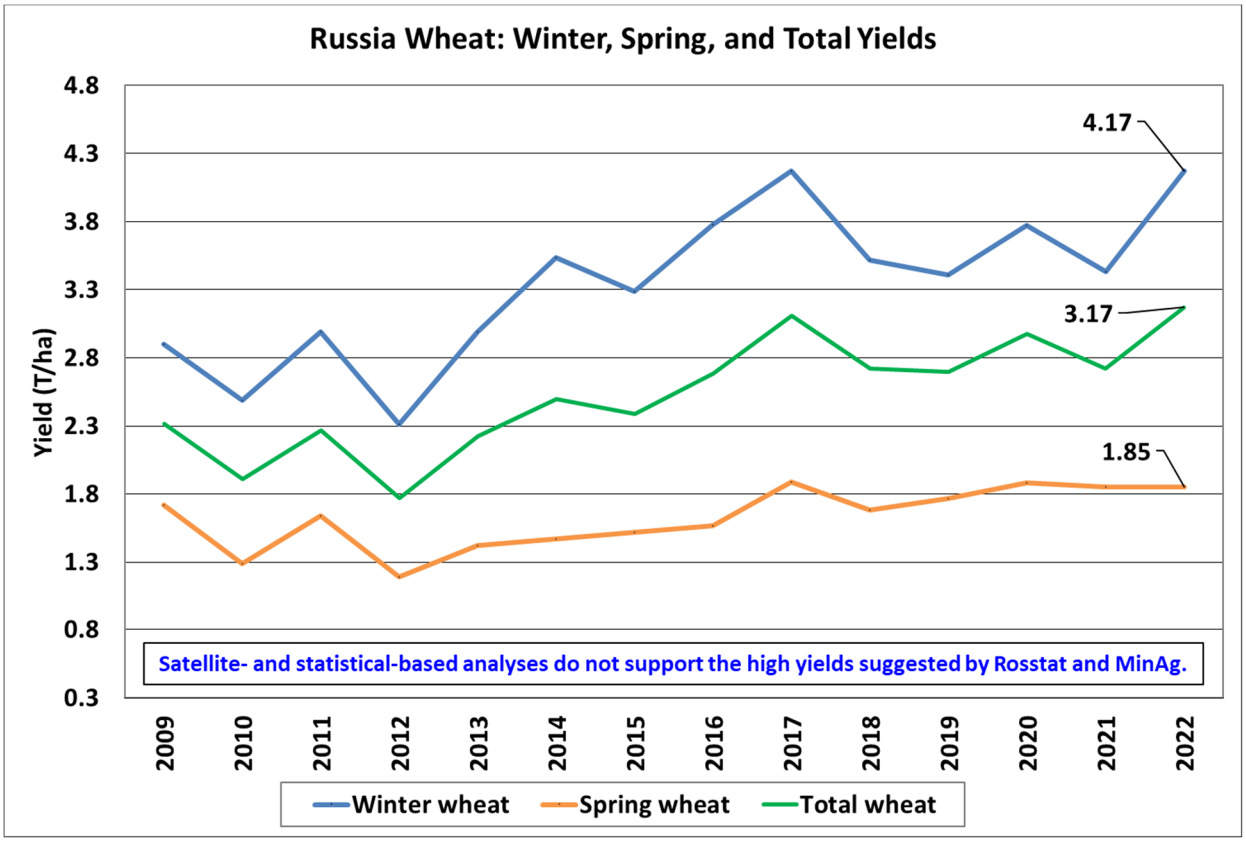
	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Production	114.09	121.31	115.83	130.29	139.37	151.60	155.12	172.12	173.26	190.75	211.32	229.56	248.45	249.76	264.99	263.61	259.07	257.17	260.78	260.67	272.55	277.20

Source: USDA PSD Online

In addition to the favorable seasonal conditions across the major corn production regions, farmers were also encouraged by government policies to reduce the area left fallow and to increase rotation of grain crops. The policies are expected, in the short run, to contribute to the increase in corn production. Approximately 75 percent of China's corn is used for feed. *(For more information, please contact Dath.Mita@usda.gov.)*

Russia Wheat: Production Unchanged

Russia wheat production for marketing year 2022/23 is estimated at 91.0 million metric tons (mmt), unchanged from last month, but up 21 percent from last year. The estimate includes 68.0 mmt of winter wheat and 23.0 mmt of spring wheat. Total wheat yield is estimated at a record 3.17 tons per hectare (t/ha), unchanged from last month, and up 17 percent from last year. Total harvested area is estimated at 28.7 million hectares (mha), unchanged from last month, but up 4 percent from last year.



Source: USDA PSD Online

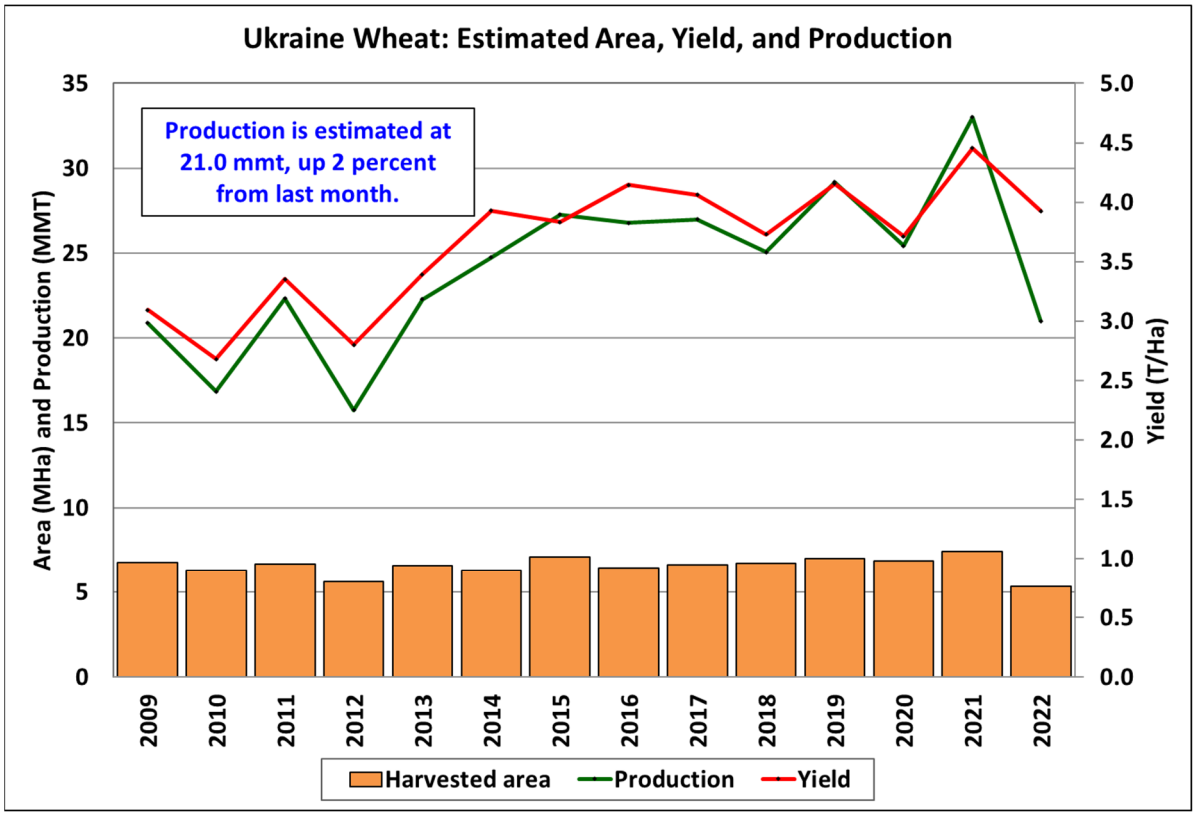
Russia's statistical agency, Rosstat, published its preliminary final numbers for 2022 on December 28, 2022. Rosstat forecasts Russia's wheat at 101.9 mmt (number adjusted for Crimea). Rosstat's total wheat yield is estimated at 3.50 t/ha (calculated on per harvested basis and excluding production from Crimea), up 13 percent relative to the 2017 record and 23 percent relative to the 5-year average. Remote sensing vegetation indicators and statistical-based yield modeling support good, but not excessive wheat yields for the winter and the spring crop this season. Analyses show good vegetation status across all major wheat producing regions in Russia this season. However,

excessively high yields are not supported. In addition, the currently reported wheat harvested area estimated by Rosstat is higher than the July reported area by a greater difference than previous years. Based on previous years, the March estimate from Rosstat is expected to provide more production detail at the regional level.

USDA crop production estimates for Russia exclude estimated output from Crimea, output from all Ukraine oblasts currently under conflict, and any misappropriated production from the conflict zones. Area, yield, and production estimates for Russia winter wheat and spring wheat are available on PSD Online. Select "Downloadable Data Sets" and open the zipped file for "Russia Wheat; Winter/Spring Area & Production." *(For more information, please contact Iliana.Mladenova@usda.gov.)*

Ukraine Wheat: Production Increase based on Official Data

Ukraine wheat production for marketing year (MY) 2022/23 is estimated at 21.0 million metric tons, up 2 percent from last month, but down 36 percent from last year. Yield is estimated at 3.93 tons per hectare, up 1 percent from last month, but down 12 percent from last year. Harvested area is estimated at 5.4 million hectares, up 2 percent from last month, but down 28 percent from last year.



Source: USDA PSD Online

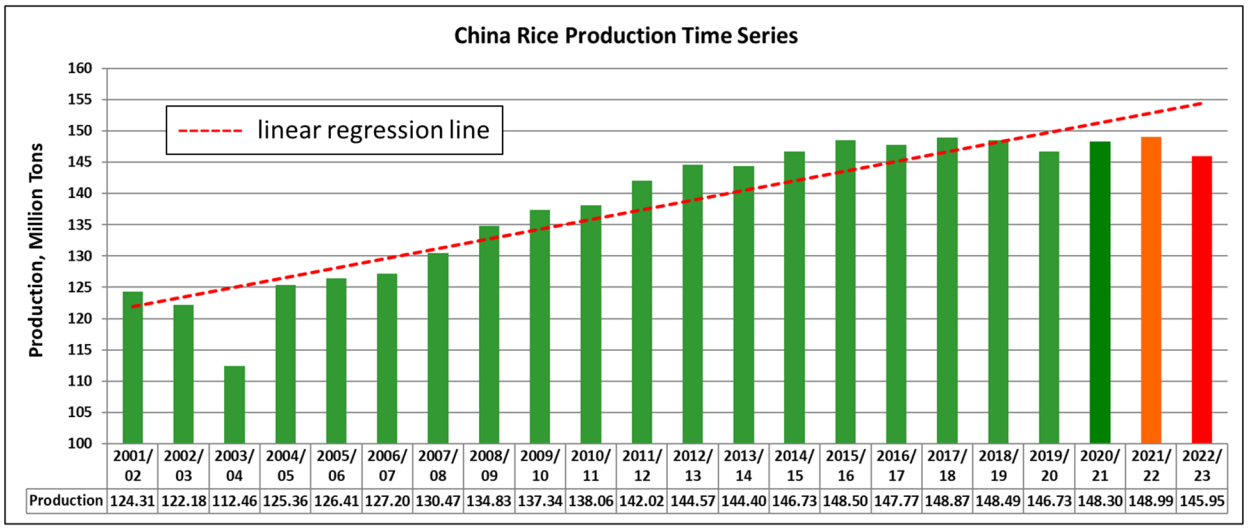
The bulk of Ukraine's wheat for MY 2022/23 was planted prior to the conflict, but major seasonal work and harvest occurred after the invasion began. The majority of wheat produced in Ukraine is planted between September and October. This winter crop, which accounts for about 97 percent

of the total wheat produced in the country, is typically harvested by late August. Expectations for this season were for a considerable decrease in harvested area due to increased abandonment and yield reductions caused by input-related issues. In early January, the State Statistical Service of Ukraine (SSSU) published its preliminary final data for 2022 for all major commodities grown in Ukraine. The SSSU's preliminary report suggests slightly higher production than initially expected. The SSSU typically publishes a final report in March.

It is unclear whether the SSSU report accounts for crop production in the oblasts of Donetsk, Luhansk, Zaporizka, and Kherson. The Ukrainian Ministry of Agriculture stopped reporting for these oblasts in August of 2022. USDA's estimates, however, include estimated output from Crimea and all Ukraine oblasts currently under conflict. *(For more information, please contact Iliana.Mladenova@usda.gov.)*

China Rice: Production Decreased Due to Lower-than-Expected Harvested Area

Based on China's National Bureau of Statistics data released in late December 2022, USDA estimates China's marketing year 2022/23 rice production (milled basis) at 145.9 million metric tons (mmt), down 1 percent or 1.1 mmt from last month and down 2 percent or approximately 3.0 mmt from last year, and down 2 percent or 2.3 mmt from the 5-year average of 148.3 mmt. Harvested area is estimated at 29.5 million hectares (mha), 2 percent below last month, last year, and the 5-year average of 30.1 mha. Yield (rough basis) is estimated approximately at 7.08 metric tons per hectare (t/ha), up 1 percent from last month, down slightly from last year, but up 1 percent from the 5-year average of 7.03 t/ha.

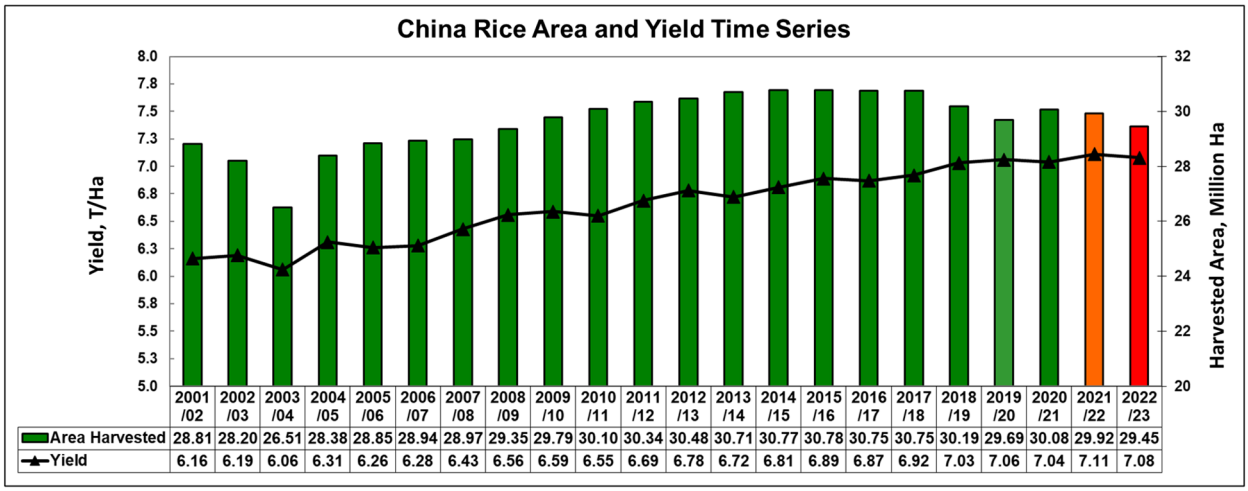


	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Production	124.31	122.18	112.46	125.36	126.41	127.20	130.47	134.83	137.34	138.06	142.02	144.57	144.40	146.73	148.50	147.77	148.87	148.49	146.73	148.30	148.99	145.95

Source: USDA PSD Online

Unseasonably high temperatures and dryness (especially during July and August) in large parts of the Yangtze Valley, including Sichuan, Hunan, Jiangxi, Hubei, and Anhui provinces, reduced harvested acreage of the single rice crop and the late double rice crop. Anomalously high temperatures and soil dryness since early July persisted across the southern Yangtze Valley, a core rice production area. During July and August, the Standardized Precipitation Index (SPI), a widely used index to characterize meteorological drought, indicated severe soil moisture deficits across

Sichuan, Jiangxi, Anhui, and Hubei. According to the Chinese government, these provinces account for approximately 56 mmt or 39 percent of total China rice.

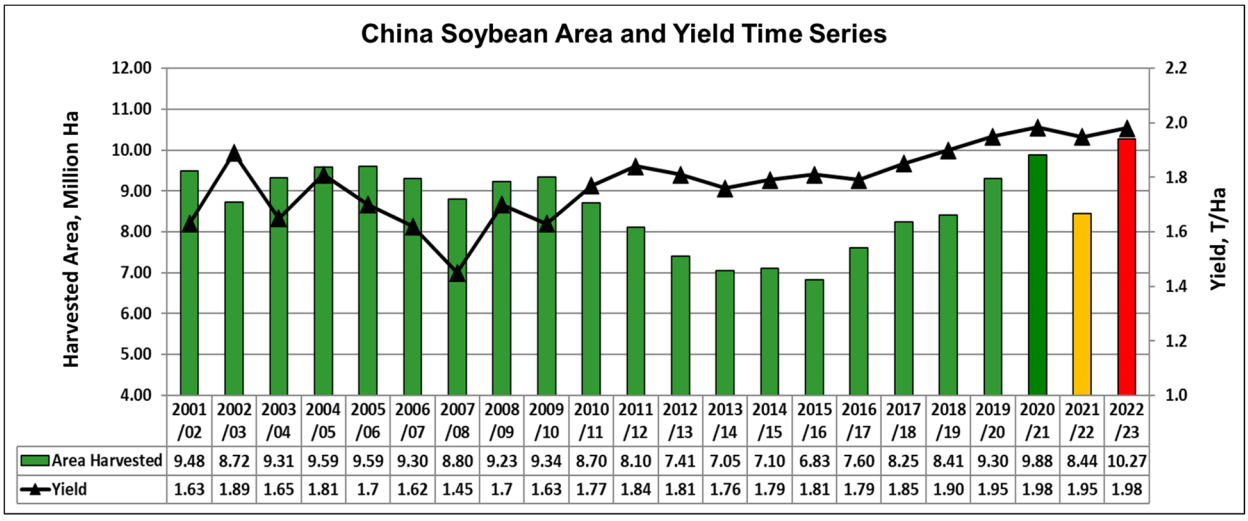


	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Area Harvested	28.81	28.20	26.51	28.38	28.85	28.94	28.97	29.35	29.79	30.10	30.34	30.48	30.71	30.77	30.78	30.75	30.75	30.19	29.69	30.08	29.92	29.45
Yield	6.16	6.19	6.06	6.31	6.26	6.28	6.43	6.56	6.59	6.55	6.69	6.78	6.72	6.81	6.89	6.87	6.92	7.03	7.06	7.04	7.11	7.08

Source: USDA PSD Online

China has three rice plantings: single rice crop, which accounts for 66 percent of total rice production, is planted in April to June; early-double rice, which accounts for 16 percent, is planted in April to May; and late-double rice, which accounts for 18 percent, is planted in July to August. Concerns about the impact of high temperatures and drier-than-normal soil moisture conditions were mainly focused on the single and the late-double rice crops, which were at sensitive growth stages. Planting delays for late-double rice with less than a month left of optimum planting window reduced area. *(For more information, contact Dath.Mita@usda.gov.)*

China Soybeans: Record Production Based on Record Area and Harvest Results

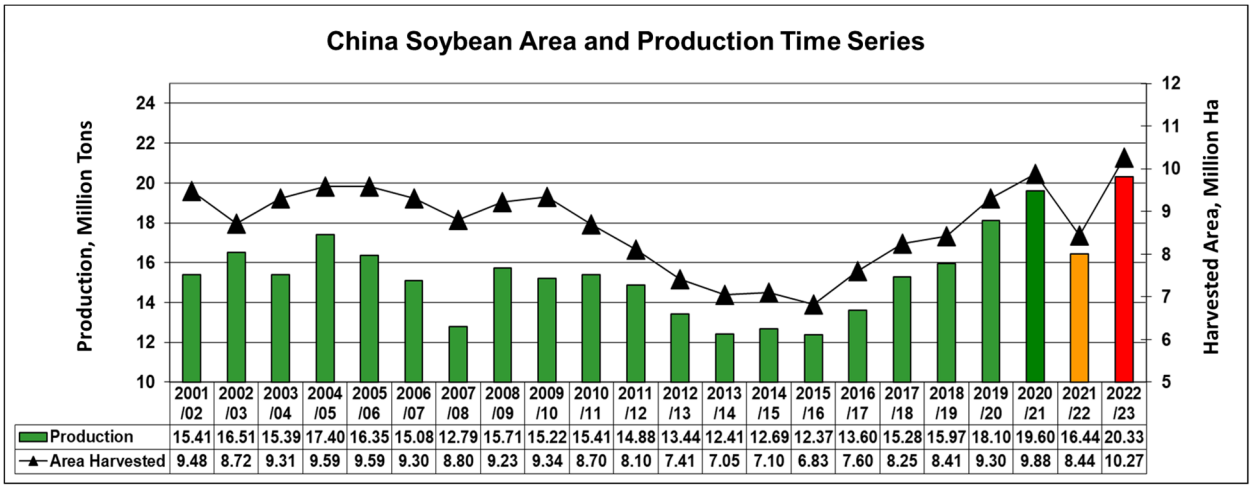


	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Area Harvested	9.48	8.72	9.31	9.59	9.59	9.30	8.80	9.23	9.34	8.70	8.10	7.41	7.05	7.10	6.83	7.60	8.25	8.41	9.30	9.88	8.44	10.27
Yield	1.63	1.89	1.65	1.81	1.7	1.62	1.45	1.7	1.63	1.77	1.84	1.81	1.76	1.79	1.81	1.79	1.85	1.90	1.95	1.98	1.95	1.98

Source: USDA PSD Online

China soybean production for marketing year (MY) 2022/23 is estimated at a record 20.3 million metric tons (mmt), up 1.9 million or 10 percent from last month, up 24 percent from last year, and up 19 percent from the 5-year average of approximately 17.1 mmt. Harvested area is estimated at

a record 10.3 million hectares (mha), up 0.9 mha or 10 percent from last month and up 22 percent from last year. Yield is estimated at 1.98 metric tons per hectare (t/ha), up 1 percent from last month, 2 percent from last year and 3 percent above the 5-year average of 1.92 t/ha. The MY 2022/23 growing season progressed well with favorable weather conditions, especially at the peak of soybean crop growth and advanced development in June and July. During this critical period the soil moisture was adequate to abundant across the major growing regions, especially in Heilongjiang, Jilin, and Nei Mongol provinces. The crop is typically harvested September through October. Throughout the season crop performance monitoring using satellite imagery observations showed no disruptions despite anomalously high temperatures in some localized regions during June and July both on the North China Plain and in the Northeastern provinces. Positive soil moisture conditions in June and July across the major soybean growing regions significantly helped to offset the impact of relatively high temperatures.



	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Production	15.41	16.51	15.39	17.40	16.35	15.08	12.79	15.71	15.22	15.41	14.88	13.44	12.41	12.69	12.37	13.60	15.28	15.97	18.10	19.60	16.44	20.33
Area Harvested	9.48	8.72	9.31	9.59	9.59	9.30	8.80	9.23	9.34	8.70	8.10	7.41	7.05	7.10	6.83	7.60	8.25	8.41	9.30	9.88	8.44	10.27

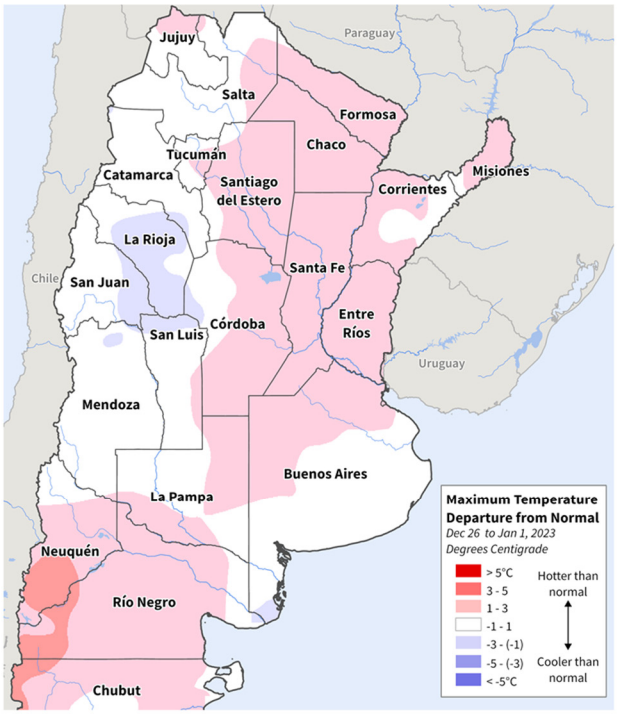
Source: USDA PSD Online

China's National Bureau of Statistics grain production data was published in December 2022, and according to the report, favorable growing conditions played a big part for realization of a record soybean crop but also attributed to changes in agricultural policy. In the recent 5 years, beginning in the MY 2016/17 season, there has been a significant increase in soybean planted area primarily due to changes in government agricultural policies. The policies are aimed at reducing China's dependency on soybean imports to meet domestic demand for meal and oil. Farmers responded positively to the policies as evidenced by the significant expansion of soybean area. The most notable government policies include encouraging provincial governments to set annual soybean production targets, increased investment in seed development and crop management, targeted soybean price measures in the Northeast provinces of Heilongjiang, Jilin, and Nei Mongol, and the reduction in corn price support and subsidies encouraging conversion of corn acreage to soybeans. It is estimated that approximately 50 percent of China's soybeans are grown in the Northeast provinces with Heilongjiang province accounting for about 40 percent of national output. Other major soybean growing provinces include Anhui, Henan, and Shandong provinces in the North China Plain. (*For more information, please contact Dath.Mita@usda.gov.*)

Argentina Soybeans: Yield Down due to Dry Conditions

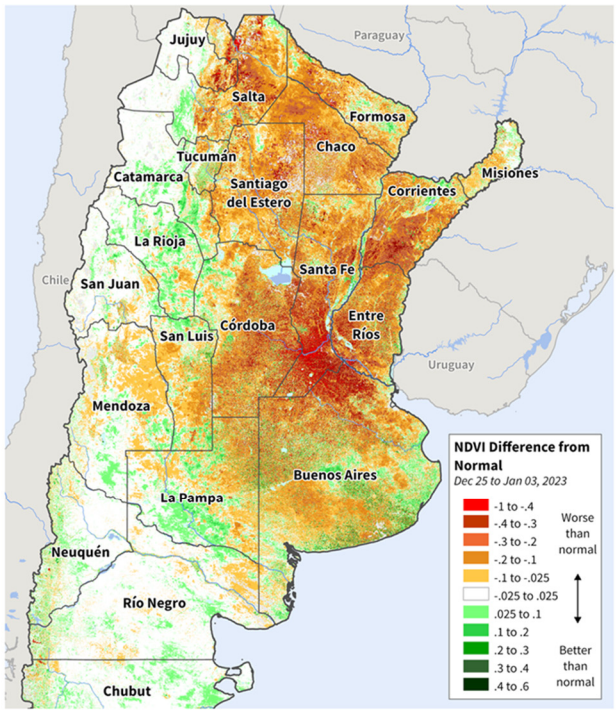
Argentina soybean production for marketing year 2022/23 is estimated at 45.5 million metric tons, down 8 percent from last month, but up 4 percent from last year. Soybean yield is estimated at 2.79 tons per hectare, down 7 percent from last month, but up 1 percent from last year. Harvested area is estimated at 16.3 million hectares (mha), down 1 percent from last month, but up 3 percent from last year.

Argentina Mean Maximum Temperature Departure from Normal (CPC)



Source: NOAA CPC
https://www.cpc.ncep.noaa.gov/

Argentina NDVI Difference from Normal

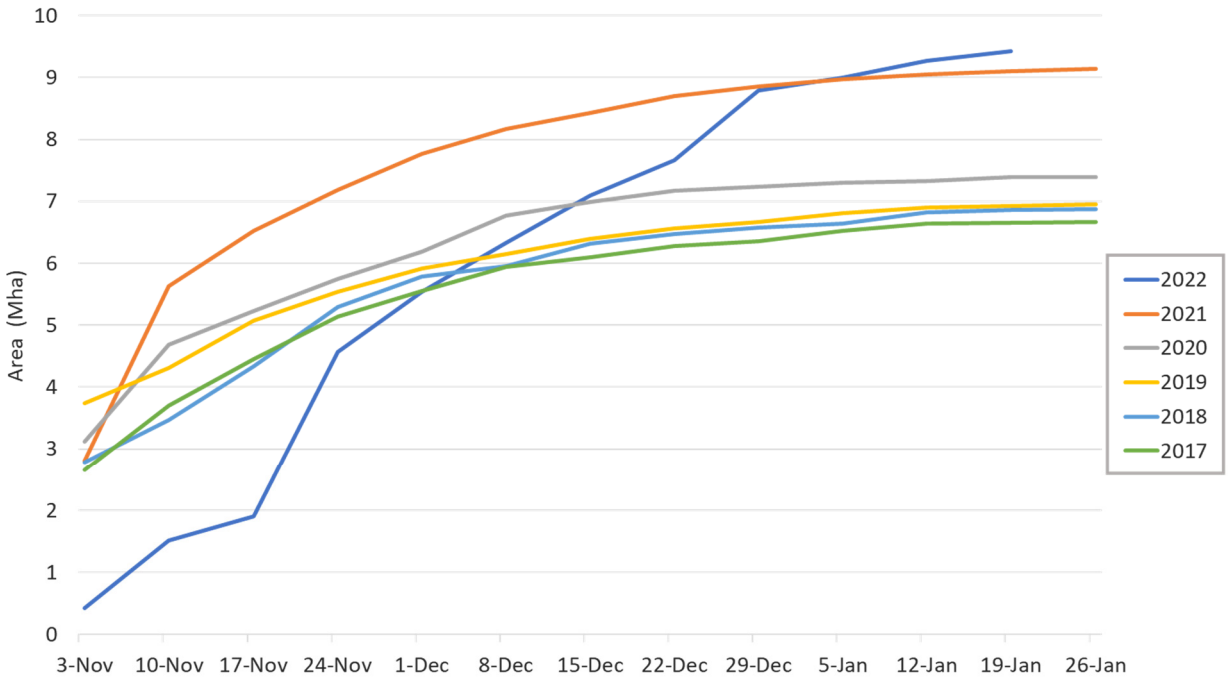


Source: USDA/NASA, MODIS NDVI Anomaly imagery
https://modis-land.gsfc.nasa.gov/

According to Argentina's Ministry of Agriculture, planting for soybeans is ongoing, and as of January 5th, approximately 14.8 mha has been planted. The late-planted soybeans will continue to be sown over the next few weeks. This year, there is a higher percentage late-planted soybeans as compared to early-planted soybeans. The late-planted soybeans are usually lower-yielding than the early-planted crop. Additionally, conditions from October through December have been drier than normal and early-season vegetation crop condition signals are indicating a below-average start to the season. *(For more information, please contact Katie.McGaughey@usda.gov.)*

India Rapeseed: Record Area and Production

USDA forecasts rapeseed production for marketing year (MY) 2022/23 at a record 11.5 million tons, up 5 percent from last year. Harvested area is estimated at a record 9.0 million hectares, up nearly 5 percent from last month and up nearly 10 percent from last year due to favorable planting conditions and higher minimum support prices from 2021. Yield is forecast at 1.28 metric tons per hectare, unchanged from last month, but down nearly 5 percent from last year.



Source: Ministry of Agriculture and Farmers Welfare

According to the India Ministry of Agriculture's *All India Crop Situation* report published December 29, 2022, farmers planted 9.5 million hectares of rapeseed/mustard, up nearly 9 percent from the same period as last year. In Rajasthan, the largest producer, planting is up 13 percent from the same period as last year.

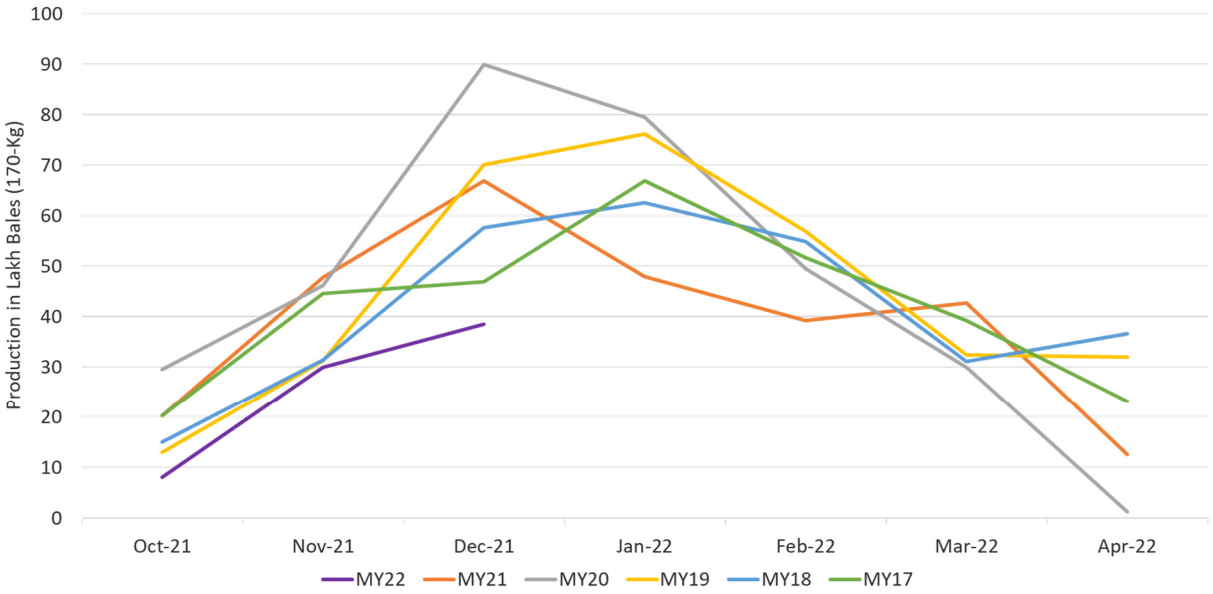
Currently, the bulk of the rapeseed crop is nearing the reproductive stage. The satellite-derived 8-day MODIS Normalized Difference Vegetation Index Anomaly (December 18 - December 26) showed strong crop vigor in Rajasthan. Trade reports have not reported any incidence of pests or disease.

Rapeseed is grown only in the *rabi* season. Rapeseed is planted in late October until January and harvested in March. *(For more information, please contact Arnella.Trent@usda.gov.)*

India Cotton: Production Down from 2021

USDA estimates marketing year (MY) 2022/23 cotton production for India at 26.5 million 480-pound bales, down 1.0 million 480-pound bales (4 percent) from last month, but up 9 percent from MY 2021/22. The harvested area is estimated at 13.0 million hectares, up nearly 7 percent from last year. The area increase is due to the timely arrival of the 2022 southwest monsoon and the high market prices for cotton at planting. Yields are expected to reach 444 kilograms per hectare, down 4 percent from last month, but up 2 percent from last year.

India Cotton: MY 2022/23 Monthly Market Arrival Levels Lowest in 5-Years



Source: Cotton Corporation of India

Market arrivals have been slow since the marketing year began on October 1. Cotton arrivals, as reported by the Cotton Corporation of India, are reported in Lakh bales, and were down 39 percent from the same period a year ago according to their December report. As customary, there was an uptick in arrivals following the Diwali holiday in late October. However, cotton arrivals are now the slowest in the last five years. Because of these slow arrivals, some analysts in the cotton trade are beginning to speculate on the amount of cotton in the market due to excessive rainfall during planting and the growing season. Others are speculating that farmers could be withholding cotton from the market in anticipation of higher prices.

Cotton is grown largely in the *kharif* season from May to October and harvesting can continue into February. *(For more information, please contact Arnella.Trent@usda.gov.)*

World Agricultural Production
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This report uses information from the Foreign Agricultural Service's (FAS) global network of agricultural attachés and counselors, official statistics of foreign governments and other foreign source materials, and the analysis of economic data and satellite imagery. Estimates of foreign area, yield, and production are from the International Production Assessment Division, FAS, and are reviewed by USDA's Inter-Agency Commodity Estimates Committee. Estimates of U.S. area, yield, and production are from USDA's National Agricultural Statistics Service. Numbers within the report may not add to totals because of rounding. This report reflects official USDA estimates released in the World Agricultural Supply and Demand Estimates (WASDE-584), January 12, 2023.

Printed copies are available from the National Technical Information Service. Download an order form at http://www.ntis.gov/products/specialty/usda/fas_a-g.asp, or call NTIS at 1-800-363-2068.

The FAS International Production Assessment Division prepared this report. The next issue of World Agricultural Production will be released after 12:00 p.m. Eastern Time, February 8, 2023.

Conversion Table

Metric tons to bushels

Wheat, soybeans	=	MT * 36.7437
Corn, sorghum, rye	=	MT * 39.36825
Barley	=	MT * 45.929625
Oats	=	MT * 68.894438

Metric tons to 480-lb bales

Cotton	=	MT * 4.592917

Metric tons to hundredweight

Rice	=	MT * 22.04622

Area & weight

1 hectare	=	2.471044 acres
1 kilogram	=	2.204622 pounds

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The Foreign Agricultural Service (FAS) updates its production, supply and distribution (PSD) database for cotton, oilseeds, and grains at 12:00 p.m. on the day the *World Agricultural Supply and Demand Estimates* (WASDE) report is released. This circular is released by 12:15 p.m.

FAS Reports and Databases:

World Agricultural Production
Current: https://www.fas.usda.gov/data/world-agricultural-production
Archive: https://usda.library.cornell.edu/concern/publications/5q47rn72z?locale=en
USDA's Foreign Agricultural Service (FAS) publishes a monthly report on crop acreage, yield and production in major countries worldwide. Sources include reporting from FAS's worldwide offices, official statistics of foreign governments, and analysis of economic data and satellite imagery. The reports reflect official USDA estimates released in the monthly *World Agricultural Supply and Demand Estimates* (WASDE).

World Markets and Trade
Current: https://www.fas.usda.gov/data
Archive:
https://usda.library.cornell.edu/catalog?f%5Bmember_of_collections_ssim%5D%5B%5D=Foreign+Agricultural+Service&locale=en
USDA's Foreign Agricultural Service (FAS) publishes monthly and quarterly reports which include data on U.S. and global trade, production, consumption and stocks, as well as analysis of developments affecting world trade in oilseeds, grains, cotton, livestock and poultry. The reports reflect official USDA estimates released in the monthly *World Agricultural Supply and Demand Estimates* (WASDE).

Global Agricultural Information Network (GAIN)
https://www.fas.usda.gov/databases/global-agricultural-information-network-gain
USDA's Foreign Agricultural Service (FAS) provides timely reports on foreign markets through the Global Agriculture Information Network (GAIN) database. An average of 2,000 reports are added each year, with reports going back to 1995. GAIN reports are compiled by FAS' global market intelligence network, which includes FAS foreign service officers and locally engaged staff in over 90 overseas offices world-wide. They provide on-the-ground intelligence, insight, and analysis on nearly 200 countries, delivering information on foreign agricultural markets, crop conditions, and agro-political dynamics of interest to U.S. agriculture. GAIN reports contain assessments of commodity and trade issues made by USDA staff and are not necessarily statements of official U.S. government policy.

Production, Supply and Distribution (PS&D) Online
https://apps.fas.usda.gov/psdonline/app/index.html#/app/home
PSD Online is the public repository for USDA's Official Production, Supply and Distribution forecast data and reports for key agricultural commodities. PSD Online data are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB). The committee consist of representatives from Foreign Agricultural Service (FAS), the Economic Research Service (ERS), the Farm Service Agency (FSA), and the Agricultural Marketing Service (AMS).

EU Countries and Russia Wheat: Area and Production Estimates
https://apps.fas.usda.gov/psdonline/app/index.html#/app/downloads (click on PSD Datasets)
USDA's Foreign Agricultural Service (FAS) provides country-level area and production estimates for the nations of the European Union. For Russia, country-level area and production estimates are provided for Winter and Spring wheat. These datasets are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB) and can be downloaded through PSD datasets on PSD Online.

FAS Reports and Databases:

International Production Assessment (IPAD)
https://ipad.fas.usda.gov/
USDA's Foreign Agricultural Service (FAS) maintains a dynamic global crop production portal with key information including *World Agricultural Production* (WAP) briefs, Commodity Intelligence Reports (CIR), geospatial applications, crop production maps at a subnational level and crop calendars for the top-20 producing countries. Additionally, Crop Explorer (https://ipad.fas.usda.gov/cropexplorer/) displays rainfall, temperature, evapotranspiration, soil moisture, snow cover, and vegetation conditions in charts and maps.

USDA and NASA Global Agricultural Monitoring (GLAM)
https://glam1.gsfc.nasa.gov/
The USDA and NASA Global Agricultural Monitoring (GLAM) system provides near real-time and science quality Moderate Resolution Imaging Spectroradiometer (MODIS) Normalized Difference Vegetation Index (NDVI) from the satellites Terra and Aqua. The public can view and retrieve MODIS 8-day composited, global NDVI satellite imagery and time series data. GLAM was developed by NASA's Global Inventory Modeling and Mapping Studies (GIMMS) group for USDA's Foreign Agricultural Service.

Global Agricultural and Disaster Assessment System (GADAS)
https://geo.fas.usda.gov/GADAS/index.html
USDA's Foreign Agricultural Service (FAS) provides the Global Agricultural and Disaster Assessment System (GADAS), a web-based Geographic Information System (GIS) tool which integrates a vast array of highly detailed earth observation data streams, particularly targeted towards agricultural and disaster assessment analysis. GADAS is an interactive website which provides analysts with a wide variety of routine geospatial products (maps, charts, tables) they require for comprehensive situational investigations and recurring assessments.

Export Sales Reporting
https://apps.fas.usda.gov/esrquery/
USDA's Export Sales Reporting Program monitors U.S. agricultural export sales on a daily and weekly basis. Export sales reporting provides a constant stream of up-to-date market information for 40 U.S. agricultural commodities sold abroad. The weekly U.S. Export Sales report is the most currently available source of U.S. exports sales data. The data is used to analyze overall levels of export demand, determine where markets exit, and assess the relative position of U.S. commodities in foreign markets.

Global Agricultural Trade System (GATS)
https://apps.fas.usda.gov/gats/default.aspx
The Global Agricultural Trade System (GATS) is a searchable database containing monthly U.S. Census Bureau trade data organized by agricultural commodity and agricultural related product groups. Trade data is searchable by partner countries and partner groups. Historical U.S. agricultural trade data is available back to 1967. In addition, U.N. trade statistics (UN Comtrade) may be queried through GATS. UN trade data is available for nearly 200 countries or areas, dating from the inception of the Harmonized System (HS) of trade codes in 1989 to present. The database is continuously updated. U.S. trade data is updated monthly according to the U.S. Census Bureau's reporting system. UN Comtrade data are updated in GATS after nationally submitted data to the UN are standardized by the UN Statistical Division and added to the UN Comtrade database.

Other USDA Reports:

World Agricultural Supply and Demand Estimates (WASDE):
http://www.usda.gov/oce/commodity/wasde/
Economic Research Service:
http://www.ers.usda.gov/topics/crops
National Agricultural Statistics Service:
http://www.nass.usda.gov/Publications/

Table 01 World Crop Production Summary

Million Metric Tons

Commodity	World	Total Foreign	North America			Former Soviet		European	Asia (WAP)					South America		Selected Other			All Others
			United States	Canada	Mexico	Russia	Ukraine		China	India	Indonesia	Pakistan	Thailand	Argentina	Brazil	Australia	South Africa	Turkey	
	---Million metric tons---																		
Wheat																			
2020/21	774.5	724.8	49.8	35.4	3.0	85.4	25.4	nr	134.3	107.9	0.0	25.2	0.0	17.6	6.3	31.9	2.1	18.3	232.1
2021/22 prel.	779.3	734.5	44.8	22.3	3.3	75.2	33.0	nr	136.9	109.6	0.0	27.5	0.0	22.2	7.7	36.3	2.3	16.0	242.3
2022/23 proj.																			
Dec	780.6	735.7	44.9	33.8	3.6	91.0	20.5	nr	138.0	103.0	0.0	26.4	0.0	12.5	9.5	36.6	2.3	17.3	241.3
Jan	781.3	736.4	44.9	33.8	3.6	91.0	21.0	nr	137.7	103.0	0.0	26.4	0.0	12.5	9.5	36.6	2.3	17.3	241.8
Coarse Grains																			
2020/21	1,441.2	1,068.3	372.9	29.6	32.7	41.4	39.6	nr	269.1	51.4	12.6	9.3	5.6	60.0	90.3	18.6	17.8	15.8	374.6
2021/22 prel.	1,500.7	1,103.0	397.7	24.4	32.8	38.5	53.5	nr	280.9	51.2	12.7	11.0	5.4	59.2	120.6	18.8	16.6	11.6	365.9
2022/23 proj.																			
Dec	1,453.6	1,088.9	364.8	30.5	33.5	41.0	34.5	nr	282.3	49.8	12.9	9.7	5.3	63.8	130.5	18.2	17.2	14.5	345.1
Jan	1,446.4	1,087.9	358.5	30.5	33.5	41.0	34.2	nr	285.5	49.8	12.9	9.7	5.3	60.8	129.5	18.2	17.2	14.5	345.3
Rice, Milled																			
2020/21	509.3	502.1	7.2	0.0	0.2	0.7	0.0	nr	148.3	124.4	34.5	8.4	18.9	0.9	8.0	0.3	0.0	0.6	156.8
2021/22 prel.	515.0	508.9	6.1	0.0	0.2	0.7	0.0	nr	149.0	130.3	34.4	9.3	19.9	0.8	7.3	0.5	0.0	0.5	155.9
2022/23 proj.																			
Dec	503.3	498.1	5.2	0.0	0.2	0.7	0.0	nr	147.0	124.0	34.6	6.6	20.1	0.8	7.2	0.3	0.0	0.6	155.9
Jan	503.0	497.9	5.1	0.0	0.2	0.5	0.0	nr	145.9	125.0	34.6	6.6	20.1	0.8	7.2	0.3	0.0	0.6	156.0
Total Grains																			
2020/21	2,725.1	2,295.2	429.9	65.1	35.8	127.5	65.0	nr	551.6	283.6	47.1	43.0	24.4	78.6	104.6	50.8	19.9	34.6	763.5
2021/22 prel.	2,795.0	2,346.4	448.6	46.7	36.2	114.4	86.6	nr	566.8	291.1	47.1	47.8	25.2	82.1	135.7	55.6	18.9	28.1	764.2
2022/23 proj.																			
Dec	2,737.5	2,322.6	414.9	64.4	37.3	132.7	55.0	nr	567.3	276.8	47.5	42.7	25.4	77.1	147.3	55.1	19.5	32.3	742.4
Jan	2,730.6	2,322.2	408.5	64.4	37.2	132.5	55.2	nr	569.2	277.8	47.5	42.7	25.4	74.1	146.3	55.1	19.5	32.3	743.1
Oilseeds																			
2020/21	607.5	483.0	124.5	25.9	0.7	20.1	19.9	nr	65.8	38.3	14.6	2.5	1.0	51.2	143.9	5.7	2.7	2.9	87.8
2021/22 prel.	606.9	475.6	131.4	20.1	0.9	23.1	24.3	nr	62.3	41.1	14.5	3.4	1.0	49.7	134.3	8.9	3.1	3.4	85.6
2022/23 proj.																			
Dec	644.4	516.5	127.9	25.6	0.8	25.9	16.8	nr	65.0	42.4	14.6	2.4	1.0	55.3	157.3	8.9	3.2	4.0	93.3
Jan	641.9	516.0	126.0	25.6	0.8	25.9	16.8	nr	67.0	42.4	14.6	2.4	1.0	51.9	158.4	8.9	3.2	4.0	93.1
Cotton																			
2020/21	111.5	96.9	14.6	0.0	1.0	0.0	0.0	1.7	29.6	27.6	0.0	4.5	0.0	1.4	10.8	2.8	0.1	2.9	14.5
2021/22 prel.	115.7	98.2	17.5	0.0	1.2	0.0	0.0	1.7	26.8	24.4	0.0	6.0	0.0	1.5	11.7	5.8	0.1	3.8	15.3
2022/23 proj.																			
Dec	115.7	101.5	14.2	0.0	1.4	0.0	0.0	1.6	28.0	27.5	0.0	3.7	0.0	1.4	13.0	5.0	0.1	4.9	15.0
Jan	115.4	100.7	14.7	0.0	1.4	0.0	0.0	1.6	28.0	26.5	0.0	3.7	0.0	1.3	13.3	5.0	0.1	4.9	15.0

1/ Includes wheat, coarse grains, and rice (milled) shown above.

Table 02 Wheat Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	220.52	222.14	219.94	220.01	3.51	3.51	3.55	3.55	774.55	779.31	780.59	781.31	0.72	0.09	2.00	0.26
United States	14.89	15.03	14.36	14.36	3.34	2.98	3.13	3.13	49.75	44.80	44.90	44.90	0.00	0.00	0.10	0.22
Total Foreign	205.63	207.11	205.59	205.66	3.52	3.55	3.58	3.58	724.80	734.51	735.69	736.41	0.72	0.10	1.90	0.26
European Union	22.97	24.26	24.25	24.30	5.51	5.70	5.54	5.54	126.68	138.22	134.30	134.70	0.40	0.30	-3.52	-2.54
United Kingdom	1.39	1.79	1.80	1.80	6.96	7.81	8.56	8.61	9.66	13.99	15.40	15.50	0.10	0.65	1.51	10.81
Serbia	0.59	0.60	0.63	0.63	4.58	5.00	4.60	4.60	2.70	3.00	2.90	2.90	0.00	0.00	-0.10	-3.33
China	23.38	23.57	23.60	23.52	5.74	5.81	5.85	5.86	134.25	136.95	138.00	137.72	-0.28	-0.20	0.78	0.57
South Asia																
India	31.36	31.13	30.54	30.54	3.44	3.52	3.37	3.37	107.86	109.59	103.00	103.00	0.00	0.00	-6.59	-6.01
Pakistan	8.81	9.17	9.00	9.00	2.87	3.00	2.93	2.93	25.25	27.46	26.40	26.40	0.00	0.00	-1.06	-3.87
Afghanistan	2.33	2.20	2.20	2.20	2.15	2.00	2.05	2.05	5.01	4.40	4.50	4.50	0.00	0.00	0.10	2.27
Nepal	0.71	0.72	0.72	0.72	2.99	2.90	2.92	2.92	2.13	2.08	2.10	2.10	0.00	0.00	0.03	1.20
Former Soviet Union - 12																
Russia	28.68	27.63	28.70	28.70	2.98	2.72	3.17	3.17	85.35	75.16	91.00	91.00	0.00	0.00	15.84	21.08
Russia Winter	16.63	15.22	16.30	16.30	3.77	3.43	4.17	4.17	62.69	52.19	68.00	68.00	0.00	0.00	15.81	30.28
Russia Spring	12.06	12.41	12.40	12.40	1.88	1.85	1.85	1.85	22.66	22.96	23.00	23.00	0.00	0.00	0.04	0.16
Ukraine	6.85	7.41	5.25	5.35	3.71	4.45	3.90	3.93	25.42	33.01	20.50	21.00	0.50	2.44	-12.01	-36.38
Kazakhstan	12.06	12.72	12.75	12.75	1.18	0.93	1.10	1.10	14.26	11.81	14.00	14.00	0.00	0.00	2.19	18.50
Uzbekistan	1.36	1.36	1.40	1.40	4.53	4.40	4.71	4.71	6.16	5.99	6.60	6.60	0.00	0.00	0.62	10.28
Belarus	0.72	0.65	0.68	0.68	3.94	3.54	3.48	3.48	2.85	2.30	2.35	2.35	0.00	0.00	0.05	2.17
Canada	10.02	9.19	10.08	10.08	3.54	2.43	3.35	3.35	35.44	22.30	33.82	33.82	0.00	0.00	11.53	51.70
South America																
Argentina	6.40	6.55	5.35	5.35	2.76	3.38	2.34	2.34	17.64	22.15	12.50	12.50	0.00	0.00	-9.65	-43.57
Brazil	2.34	2.74	3.10	3.10	2.67	2.81	3.06	3.06	6.25	7.70	9.50	9.50	0.00	0.00	1.80	23.38
Australia	12.64	13.04	13.00	13.00	2.52	2.79	2.82	2.82	31.92	36.35	36.60	36.60	0.00	0.00	0.25	0.70
Africa																
Egypt	1.39	1.40	1.53	1.53	6.40	6.43	6.41	6.41	8.90	9.00	9.80	9.80	0.00	0.00	0.80	8.89
Morocco	2.76	2.86	2.50	2.50	0.93	2.64	1.08	1.08	2.56	7.54	2.70	2.70	0.00	0.00	-4.84	-64.19
Algeria	2.08	2.08	2.08	2.08	1.50	1.20	1.78	1.78	3.11	2.50	3.70	3.70	0.00	0.00	1.20	48.00
Ethiopia	1.83	1.95	2.00	2.00	3.00	2.83	2.85	2.85	5.48	5.52	5.70	5.70	0.00	0.00	0.18	3.26
Middle East																
Turkey	7.10	7.05	6.80	6.80	2.57	2.27	2.54	2.54	18.25	16.00	17.25	17.25	0.00	0.00	1.25	7.81
Iran	6.00	6.00	6.20	6.20	2.50	2.00	2.13	2.13	15.00	12.00	13.20	13.20	0.00	0.00	1.20	10.00
Iraq	2.40	2.00	2.00	2.00	1.93	1.75	1.50	1.50	4.64	3.50	3.00	3.00	0.00	0.00	-0.50	-14.29
Syria	1.60	1.10	1.20	1.20	2.81	1.82	1.75	1.75	4.50	2.00	2.10	2.10	0.00	0.00	0.10	5.00
Mexico	0.56	0.55	0.59	0.59	5.33	6.00	6.05	6.05	2.97	3.28	3.57	3.57	0.00	0.00	0.29	8.81
Others	7.33	7.42	7.64	7.64	2.81	2.79	2.77	2.77	20.58	20.74	21.19	21.19	0.00	0.00	0.46	2.20

World and Selected Countries and Regions

Table 03 Total Coarse Grain Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	344.45	345.27	338.53	337.42	4.18	4.35	4.29	4.29	1,441.19	1,500.70	1,453.62	1,446.36	-7.26	-0.50	-54.34	-3.62
United States	36.81	38.34	36.42	35.39	10.13	10.37	10.02	10.13	372.89	397.71	364.77	358.47	-6.30	-1.73	-39.24	-9.87
Total Foreign	307.64	306.93	302.11	302.03	3.47	3.59	3.60	3.60	1,068.30	1,102.99	1,088.85	1,087.89	-0.96	-0.09	-15.10	-1.37
China	43.72	45.77	45.45	45.52	6.15	6.14	6.21	6.27	269.08	280.85	282.30	285.50	3.20	1.13	4.65	1.65
European Union	28.77	27.77	27.28	27.23	5.40	5.56	4.97	4.98	155.46	154.41	135.68	135.61	-0.07	-0.05	-18.80	-12.17
United Kingdom	1.66	1.43	1.37	1.37	5.64	5.88	6.14	6.32	9.36	8.41	8.40	8.65	0.25	2.98	0.24	2.84
South America																
Brazil	21.30	23.37	24.31	24.31	4.24	5.16	5.37	5.33	90.32	120.62	130.54	129.54	-1.00	-0.77	8.92	7.39
Argentina	8.65	9.84	9.53	9.43	6.94	6.01	6.70	6.45	60.01	59.16	63.81	60.81	-3.00	-4.70	1.65	2.79
Former Soviet Union - 12																
Russia	14.55	14.01	13.20	13.20	2.84	2.75	3.11	3.11	41.40	38.54	41.00	41.00	0.00	0.00	2.46	6.39
Ukraine	8.53	8.66	6.37	6.37	4.64	6.18	5.41	5.37	39.59	53.51	34.46	34.16	-0.30	-0.87	-19.35	-36.17
Kazakhstan	3.20	2.63	2.61	2.61	1.54	1.43	1.57	1.57	4.93	3.76	4.10	4.10	0.00	0.00	0.34	9.05
Belarus	1.14	0.99	1.03	1.03	3.47	3.05	3.11	3.11	3.95	3.00	3.20	3.20	0.00	0.00	0.20	6.67
Africa																
Nigeria	13.10	13.70	13.50	13.50	1.60	1.56	1.57	1.57	20.90	21.39	21.18	21.18	0.00	0.00	-0.21	-0.99
South Africa	3.36	3.19	3.19	3.19	5.31	5.21	5.41	5.41	17.81	16.60	17.24	17.24	0.00	0.00	0.64	3.88
Tanzania	5.17	5.40	5.00	5.00	1.51	1.40	1.40	1.40	7.79	7.55	6.98	6.98	0.00	0.00	-0.58	-7.62
Burkina Faso	3.89	4.24	4.24	4.24	1.21	0.99	1.16	1.16	4.72	4.20	4.90	4.90	0.00	0.00	0.70	16.58
Ethiopia	5.53	5.59	5.63	5.63	3.45	3.08	3.23	3.23	19.10	17.20	18.20	18.20	0.00	0.00	1.00	5.81
Egypt	1.03	1.16	1.16	1.16	7.01	7.13	7.13	7.13	7.24	8.30	8.30	8.30	0.00	0.00	0.00	0.00
Mali	5.17	4.70	4.70	4.70	1.41	1.34	1.45	1.45	7.26	6.31	6.80	6.80	0.00	0.00	0.49	7.70
India	24.12	24.29	24.54	24.54	2.13	2.11	2.03	2.03	51.39	51.21	49.80	49.80	0.00	0.00	-1.41	-2.75
Southeast Asia																
Indonesia	3.85	3.90	3.95	3.95	3.27	3.26	3.27	3.27	12.60	12.70	12.90	12.90	0.00	0.00	0.20	1.57
Philippines	2.57	2.56	2.50	2.50	3.25	3.26	3.16	3.16	8.35	8.34	7.90	7.90	0.00	0.00	-0.44	-5.32
Vietnam	0.94	0.90	0.85	0.85	4.83	4.92	4.94	4.94	4.56	4.45	4.20	4.20	0.00	0.00	-0.25	-5.53
Thailand	1.28	1.23	1.23	1.23	4.33	4.36	4.28	4.28	5.55	5.35	5.25	5.25	0.00	0.00	-0.10	-1.87
Mexico	8.76	8.88	9.01	9.01	3.73	3.69	3.72	3.72	32.66	32.79	33.50	33.50	0.00	0.00	0.71	2.17
Canada	5.80	5.81	5.74	5.74	5.11	4.21	5.32	5.32	29.64	24.43	30.54	30.54	0.00	0.00	6.11	25.01
Australia	7.26	6.03	5.98	5.98	2.56	3.11	3.04	3.04	18.56	18.76	18.17	18.17	0.00	0.00	-0.59	-3.13
Middle East																
Turkey	4.63	4.46	4.54	4.54	3.40	2.60	3.19	3.19	15.76	11.58	14.47	14.47	0.00	0.00	2.89	24.95
Iran	1.81	1.91	1.86	1.86	2.77	2.16	2.38	2.38	5.02	4.12	4.42	4.42	0.00	0.00	0.30	7.31
Others	77.86	74.52	73.38	73.38	1.61	1.68	1.64	1.64	125.31	125.47	120.64	120.60	-0.05	-0.04	-4.87	-3.88

World and Selected Countries and Regions; Coarse Grain includes: Barley, Corn, Millet, Mixed Grains, Oats, Rye and Sorghum

Table 04 Corn Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	199.02	206.86	201.97	201.28	5.67	5.87	5.75	5.74	1,129.20	1,214.88	1,161.86	1,155.93	-5.93	-0.51	-58.94	-4.85
United States	33.31	34.53	32.72	32.05	10.76	11.09	10.82	10.88	358.45	382.89	353.84	348.75	-5.09	-1.44	-34.14	-8.92
Total Foreign	165.71	172.33	169.25	169.22	4.65	4.83	4.77	4.77	770.76	831.98	808.03	807.18	-0.85	-0.10	-24.80	-2.98
China	41.26	43.32	43.00	43.07	6.32	6.29	6.37	6.44	260.67	272.55	274.00	277.20	3.20	1.17	4.65	1.71
South America																
Brazil	19.90	21.80	22.70	22.70	4.37	5.32	5.55	5.51	87.00	116.00	126.00	125.00	-1.00	-0.79	9.00	7.76
Argentina	6.55	7.10	7.00	6.90	7.94	6.97	7.86	7.54	52.00	49.50	55.00	52.00	-3.00	-5.45	2.50	5.05
Bolivia	0.41	0.44	0.44	0.44	3.00	2.60	2.64	2.64	1.23	1.13	1.15	1.15	0.00	0.00	0.02	1.77
European Union	9.24	9.24	9.03	9.03	7.30	7.69	6.01	6.01	67.44	70.98	54.20	54.20	0.00	0.00	-16.78	-23.64
Africa																
South Africa	3.12	3.00	3.00	3.00	5.44	5.37	5.57	5.57	16.95	16.10	16.70	16.70	0.00	0.00	0.60	3.73
Nigeria	5.50	6.00	5.80	5.80	2.25	2.12	2.10	2.10	12.40	12.75	12.18	12.18	0.00	0.00	-0.57	-4.43
Ethiopia	2.36	2.53	2.55	2.55	4.47	3.72	4.00	4.00	10.56	9.40	10.20	10.20	0.00	0.00	0.80	8.51
Egypt	0.80	0.93	0.93	0.93	8.00	8.00	8.00	8.00	6.40	7.44	7.44	7.44	0.00	0.00	0.00	0.00
Tanzania	4.20	4.40	4.00	4.00	1.60	1.48	1.48	1.48	6.71	6.50	5.90	5.90	0.00	0.00	-0.60	-9.23
Malawi	1.76	1.75	1.75	1.75	2.10	2.62	2.12	2.12	3.69	4.58	3.72	3.72	0.00	0.00	-0.86	-18.86
Zambia	1.33	1.41	1.12	1.12	2.54	2.57	2.43	2.43	3.39	3.62	2.71	2.71	0.00	0.00	-0.91	-25.25
Kenya	2.19	1.95	1.90	1.90	1.73	1.59	1.58	1.58	3.79	3.10	3.00	3.00	0.00	0.00	-0.10	-3.23
Uganda	0.99	1.10	1.10	1.10	2.78	2.55	2.55	2.55	2.75	2.80	2.80	2.80	0.00	0.00	0.00	0.00
Zimbabwe	1.58	1.95	1.90	1.90	0.57	1.39	0.82	0.82	0.91	2.72	1.56	1.56	0.00	0.00	-1.16	-42.66
Former Soviet Union - 12																
Ukraine	5.40	5.49	4.00	4.00	5.62	7.68	6.75	6.75	30.30	42.13	27.00	27.00	0.00	0.00	-15.13	-35.91
Russia	2.73	2.90	2.50	2.50	5.08	5.25	5.60	5.60	13.87	15.23	14.00	14.00	0.00	0.00	-1.23	-8.05
South Asia																
India	9.89	10.10	10.00	10.00	3.20	3.33	3.20	3.20	31.65	33.60	32.00	32.00	0.00	0.00	-1.60	-4.76
Pakistan	1.42	1.65	1.60	1.60	6.30	6.43	5.75	5.75	8.94	10.64	9.20	9.20	0.00	0.00	-1.44	-13.49
Nepal	0.97	0.97	0.97	0.97	2.82	2.82	2.82	2.82	2.72	2.72	2.72	2.72	0.00	0.00	0.00	0.00
Southeast Asia																
Indonesia	3.85	3.90	3.95	3.95	3.27	3.26	3.27	3.27	12.60	12.70	12.90	12.90	0.00	0.00	0.20	1.57
Philippines	2.57	2.56	2.50	2.50	3.25	3.26	3.16	3.16	8.35	8.34	7.90	7.90	0.00	0.00	-0.44	-5.32
Vietnam	0.94	0.90	0.85	0.85	4.83	4.92	4.94	4.94	4.56	4.45	4.20	4.20	0.00	0.00	-0.25	-5.53
Thailand	1.26	1.20	1.20	1.20	4.38	4.42	4.33	4.33	5.50	5.30	5.20	5.20	0.00	0.00	-0.10	-1.89
Mexico	7.14	7.09	7.20	7.20	3.83	3.77	3.83	3.83	27.35	26.76	27.60	27.60	0.00	0.00	0.84	3.13
Canada	1.41	1.39	1.44	1.44	9.63	10.05	10.07	10.07	13.56	13.98	14.54	14.54	0.00	0.00	0.56	3.97
Turkey	0.62	0.54	0.53	0.53	11.45	12.04	12.38	12.38	7.10	6.50	6.50	6.50	0.00	0.00	0.00	0.00
Others	26.31	26.72	26.31	26.31	2.60	2.64	2.57	2.57	68.38	70.48	67.72	67.67	-0.05	-0.07	-2.80	-3.98

World and Selected Countries and Regions

Table 05 Barley Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	52.45	48.62	47.18	47.13	3.07	2.99	3.17	3.17	160.91	145.47	149.53	149.47	-0.07	-0.04	4.00	2.75
United States	0.90	0.81	0.99	0.99	4.15	3.25	3.85	3.85	3.72	2.62	3.80	3.80	0.00	0.00	1.18	45.16
Total Foreign	51.56	47.81	46.19	46.14	3.05	2.99	3.15	3.16	157.19	142.85	145.73	145.67	-0.07	-0.04	2.82	1.97
European Union	11.05	10.31	10.48	10.43	4.91	5.05	4.92	4.93	54.23	52.05	51.52	51.45	-0.07	-0.13	-0.60	-1.15
United Kingdom	1.39	1.15	1.12	1.12	5.85	6.05	6.37	6.64	8.12	6.96	7.10	7.40	0.30	4.23	0.44	6.31
Former Soviet Union - 12																
Russia	8.16	7.69	7.60	7.60	2.53	2.28	2.76	2.76	20.63	17.51	21.00	21.00	0.00	0.00	3.50	19.97
Ukraine	2.58	2.68	1.90	1.90	3.08	3.70	3.37	3.21	7.95	9.92	6.40	6.10	-0.30	-4.69	-3.82	-38.53
Kazakhstan	2.73	2.16	2.15	2.15	1.34	1.10	1.26	1.26	3.66	2.37	2.70	2.70	0.00	0.00	0.33	14.07
Belarus	0.41	0.35	0.40	0.40	3.35	2.86	2.75	2.75	1.38	1.00	1.10	1.10	0.00	0.00	0.10	10.00
Azerbaijan	0.35	0.37	0.38	0.38	2.96	3.07	2.93	2.93	1.02	1.15	1.10	1.10	0.00	0.00	-0.05	-4.10
Canada	2.81	3.01	2.64	2.64	3.82	2.31	3.79	3.79	10.74	6.96	9.99	9.99	0.00	0.00	3.03	43.51
Australia	5.49	4.42	4.20	4.20	2.67	3.15	3.19	3.19	14.65	13.91	13.40	13.40	0.00	0.00	-0.51	-3.64
Middle East																
Turkey	3.80	3.70	3.80	3.80	2.13	1.22	1.95	1.95	8.10	4.50	7.40	7.40	0.00	0.00	2.90	64.44
Iran	1.60	1.70	1.65	1.65	2.25	1.59	1.82	1.82	3.60	2.70	3.00	3.00	0.00	0.00	0.30	11.11
Iraq	1.20	0.60	0.60	0.60	1.29	1.17	1.13	1.13	1.55	0.70	0.68	0.68	0.00	0.00	-0.02	-2.86
Syria	1.50	0.80	0.90	0.90	1.27	0.81	0.78	0.78	1.90	0.65	0.70	0.70	0.00	0.00	0.05	7.69
Africa																
Ethiopia	0.90	0.96	0.97	0.97	2.52	2.45	2.47	2.47	2.26	2.35	2.40	2.40	0.00	0.00	0.05	2.13
Morocco	1.47	1.49	1.10	1.10	0.44	1.87	0.64	0.64	0.64	2.78	0.70	0.70	0.00	0.00	-2.08	-74.82
Algeria	0.98	1.03	1.03	1.03	1.24	0.93	1.56	1.56	1.21	0.95	1.60	1.60	0.00	0.00	0.65	68.42
Tunisia	0.36	0.28	0.30	0.30	1.28	1.54	1.40	1.40	0.47	0.43	0.42	0.42	0.00	0.00	-0.01	-2.33
South Africa	0.14	0.10	0.10	0.10	4.14	3.52	3.70	3.70	0.59	0.33	0.37	0.37	0.00	0.00	0.04	10.78
South America																
Argentina	1.01	1.34	1.28	1.28	4.00	3.96	3.28	3.28	4.04	5.30	4.20	4.20	0.00	0.00	-1.10	-20.75
Uruguay	0.19	0.22	0.19	0.19	4.78	4.11	3.65	3.65	0.89	0.92	0.68	0.68	0.00	0.00	-0.25	-26.63
Brazil	0.10	0.11	0.11	0.11	3.63	3.79	3.91	3.91	0.37	0.43	0.43	0.43	0.00	0.00	0.01	1.18
India	0.59	0.59	0.54	0.54	2.92	2.80	2.59	2.59	1.72	1.66	1.40	1.40	0.00	0.00	-0.26	-15.46
China	0.51	0.51	0.51	0.51	4.00	3.92	3.92	3.92	2.04	2.00	2.00	2.00	0.00	0.00	0.00	0.00
Mexico	0.30	0.35	0.34	0.34	3.07	3.11	2.82	2.82	0.91	1.09	0.96	0.96	0.00	0.00	-0.13	-11.93
Afghanistan	0.17	0.16	0.17	0.17	1.41	1.25	1.35	1.35	0.24	0.20	0.23	0.23	0.00	0.00	0.03	15.00
Others	1.78	1.74	1.76	1.76	2.42	2.33	2.43	2.43	4.30	4.06	4.27	4.27	0.00	0.00	0.21	5.23

World and Selected Countries and Regions

Table 06 Oats Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	10.08	9.61	9.45	9.45	2.55	2.34	2.63	2.63	25.72	22.53	24.90	24.85	-0.05	-0.20	2.33	10.32
United States	0.41	0.26	0.36	0.36	2.34	2.20	2.33	2.33	0.95	0.58	0.84	0.84	0.00	0.00	0.26	44.81
Total Foreign	9.67	9.35	9.09	9.09	2.56	2.35	2.65	2.64	24.77	21.95	24.07	24.02	-0.05	-0.21	2.07	9.41
European Union	2.56	2.56	2.40	2.40	3.31	2.95	3.18	3.18	8.47	7.53	7.61	7.61	0.00	0.00	0.08	1.06
Former Soviet Union - 12																
Russia	2.33	2.17	2.00	2.00	1.77	1.72	1.90	1.90	4.13	3.73	3.80	3.80	0.00	0.00	0.07	1.79
Ukraine	0.20	0.18	0.18	0.18	2.54	2.61	2.29	2.29	0.52	0.48	0.40	0.40	0.00	0.00	-0.08	-16.32
Belarus	0.16	0.15	0.16	0.16	2.87	2.33	2.42	2.42	0.45	0.35	0.38	0.38	0.00	0.00	0.03	7.14
Kazakhstan	0.23	0.20	0.20	0.20	1.05	0.90	1.13	1.13	0.24	0.18	0.23	0.23	0.00	0.00	0.04	23.63
Canada	1.31	1.18	1.40	1.40	3.48	2.39	3.73	3.73	4.58	2.81	5.23	5.23	0.00	0.00	2.42	86.11
South America																
Argentina	0.24	0.35	0.28	0.28	2.13	2.07	2.30	2.30	0.51	0.73	0.65	0.65	0.00	0.00	-0.08	-11.03
Brazil	0.43	0.50	0.51	0.51	2.00	2.27	2.26	2.26	0.85	1.14	1.16	1.16	0.00	0.00	0.01	1.05
Chile	0.11	0.12	0.13	0.13	4.65	4.70	4.37	4.37	0.53	0.58	0.55	0.55	0.00	0.00	-0.03	-4.84
Uruguay	0.02	0.01	0.02	0.02	2.20	2.21	2.40	2.40	0.03	0.03	0.04	0.04	0.00	0.00	0.01	16.13
Oceania																
Australia	1.07	0.85	0.80	0.80	1.77	1.90	1.75	1.75	1.90	1.62	1.40	1.40	0.00	0.00	-0.22	-13.53
New Zealand	0.00	0.01	0.01	0.01	5.75	5.00	5.80	5.80	0.02	0.03	0.03	0.03	0.00	0.00	0.00	16.00
China	0.41	0.41	0.41	0.41	1.48	1.48	1.48	1.48	0.60	0.60	0.60	0.60	0.00	0.00	0.00	0.00
Africa																
Algeria	0.06	0.08	0.08	0.08	1.11	1.31	1.31	1.31	0.07	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Morocco	0.02	0.04	0.02	0.02	0.40	1.13	0.40	0.40	0.01	0.05	0.01	0.01	0.00	0.00	-0.04	-86.67
South Africa	0.03	0.04	0.03	0.03	2.19	1.64	1.33	1.33	0.06	0.06	0.04	0.04	0.00	0.00	-0.02	-32.20
Other Europe																
United Kingdom	0.21	0.20	0.19	0.19	4.91	5.62	5.53	5.26	1.03	1.12	1.05	1.00	-0.05	-4.76	-0.12	-10.95
Norway	0.07	0.07	0.07	0.07	4.29	4.29	4.29	4.29	0.30	0.30	0.30	0.30	0.00	0.00	0.00	0.00
Serbia	0.03	0.03	0.03	0.03	2.17	2.17	2.17	2.17	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Albania	0.02	0.01	0.02	0.02	2.25	2.14	2.20	2.20	0.04	0.03	0.03	0.03	0.00	0.00	0.00	10.00
Bosnia and Herzegovina	0.01	0.01	0.01	0.01	3.09	2.82	2.82	2.82	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Turkey	0.10	0.11	0.11	0.11	2.40	2.38	2.38	2.38	0.24	0.25	0.25	0.25	0.00	0.00	0.00	0.00
Mexico	0.03	0.05	0.05	0.05	2.03	2.02	1.89	1.89	0.06	0.09	0.09	0.09	0.00	0.00	-0.01	-8.60
Others	0.03	0.03	0.03	0.03	1.61	1.69	1.68	1.68	0.05	0.05	0.05	0.05	0.00	0.00	0.00	6.12

World and Selected Countries and Regions

Table 07 Rye Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	4.17	4.06	3.76	3.76	3.43	3.09	3.21	3.21	14.30	12.54	12.06	12.06	0.00	0.00	-0.49	-3.89
United States	0.13	0.12	0.14	0.14	2.19	2.09	2.26	2.26	0.29	0.25	0.31	0.31	0.00	0.00	0.06	25.30
Total Foreign	4.03	3.94	3.62	3.62	3.47	3.12	3.25	3.25	14.01	12.30	11.74	11.74	0.00	0.00	-0.55	-4.48
European Union	2.08	1.93	1.87	1.87	4.31	4.12	4.07	4.07	8.97	7.95	7.62	7.62	0.00	0.00	-0.33	-4.19
Former Soviet Union - 12																
Russia	0.97	0.99	0.88	0.88	2.44	1.73	2.17	2.17	2.38	1.72	1.90	1.90	0.00	0.00	0.18	10.72
Belarus	0.36	0.33	0.30	0.30	2.92	2.46	2.50	2.50	1.05	0.80	0.75	0.75	0.00	0.00	-0.05	-6.25
Ukraine	0.14	0.18	0.10	0.10	3.28	3.43	2.85	2.85	0.46	0.60	0.29	0.29	0.00	0.00	-0.32	-52.50
Kazakhstan	0.02	0.04	0.03	0.03	1.25	0.91	1.20	1.20	0.03	0.04	0.03	0.03	0.00	0.00	-0.01	-25.00
Turkey	0.11	0.12	0.11	0.11	2.91	2.87	2.91	2.91	0.32	0.33	0.32	0.32	0.00	0.00	-0.01	-3.03
Canada	0.15	0.15	0.15	0.15	3.19	3.22	3.42	3.42	0.49	0.47	0.52	0.52	0.00	0.00	0.05	9.94
South America																
Chile	0.00	0.00	0.00	0.00	5.00	5.00	5.00	5.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Argentina	0.09	0.12	0.09	0.09	1.50	1.88	1.84	1.84	0.14	0.23	0.16	0.16	0.00	0.00	-0.07	-28.89
Other Europe																
Bosnia and Herzegovina	0.00	0.00	0.00	0.00	3.67	3.00	2.75	2.75	0.01	0.01	0.01	0.01	0.00	0.00	0.00	22.22
Switzerland	0.00	0.00	0.00	0.00	5.50	5.50	5.50	5.50	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Serbia	0.00	0.00	0.00	0.00	2.50	2.50	2.50	2.50	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Australia	0.05	0.05	0.05	0.05	0.71	0.71	0.71	0.71	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Others	0.04	0.04	0.04	0.04	2.50	2.18	2.16	2.16	0.11	0.10	0.10	0.10	0.00	0.00	0.00	-1.04

World and Selected Countries and Regions

Table 08 Sorghum Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	42.84	41.46	41.31	40.94	1.46	1.50	1.45	1.44	62.57	62.20	60.06	58.84	-1.22	-2.03	-3.36	-5.39
United States	2.06	2.63	2.22	1.85	4.59	4.33	2.70	2.58	9.47	11.38	5.99	4.77	-1.22	-20.35	-6.61	-58.07
Total Foreign	40.77	38.83	39.09	39.09	1.30	1.31	1.38	1.38	53.10	50.82	54.07	54.07	0.00	0.00	3.25	6.39
Africa																
Nigeria	5.60	5.70	5.70	5.70	1.18	1.18	1.23	1.23	6.59	6.73	7.00	7.00	0.00	0.00	0.28	4.09
Ethiopia	1.79	1.65	1.66	1.66	2.83	2.70	2.71	2.71	5.06	4.45	4.50	4.50	0.00	0.00	0.05	1.12
Sudan	9.03	6.92	7.00	7.00	0.57	0.51	0.71	0.71	5.15	3.53	5.00	5.00	0.00	0.00	1.47	41.64
Burkina Faso	1.74	1.90	1.90	1.90	1.06	0.87	1.00	1.00	1.84	1.64	1.90	1.90	0.00	0.00	0.26	15.57
Mali	1.83	1.50	1.50	1.50	1.00	0.83	1.00	1.00	1.82	1.24	1.50	1.50	0.00	0.00	0.26	21.07
Niger	3.67	3.70	3.70	3.70	0.58	0.33	0.51	0.51	2.13	1.21	1.90	1.90	0.00	0.00	0.69	57.42
Cameroon	0.74	0.74	0.74	0.74	1.62	1.62	1.62	1.62	1.20	1.20	1.20	1.20	0.00	0.00	0.00	0.00
Tanzania	0.70	0.70	0.70	0.70	1.07	1.02	1.07	1.07	0.75	0.72	0.75	0.75	0.00	0.00	0.04	4.90
Egypt	0.15	0.15	0.15	0.15	4.91	5.00	5.00	5.00	0.73	0.75	0.75	0.75	0.00	0.00	0.00	0.00
Uganda	0.31	0.25	0.25	0.25	1.23	1.32	0.90	0.90	0.38	0.33	0.23	0.23	0.00	0.00	-0.11	-31.82
Ghana	0.30	0.31	0.31	0.31	1.13	1.11	1.13	1.13	0.35	0.35	0.35	0.35	0.00	0.00	0.01	1.45
Mozambique	0.26	0.25	0.25	0.25	0.54	0.64	0.64	0.64	0.14	0.16	0.16	0.16	0.00	0.00	0.00	0.00
South Africa	0.05	0.04	0.04	0.04	4.39	2.78	3.71	3.71	0.22	0.10	0.13	0.13	0.00	0.00	0.03	26.21
Mexico	1.29	1.40	1.42	1.42	3.37	3.47	3.42	3.42	4.35	4.84	4.85	4.85	0.00	0.00	0.01	0.21
South America																
Argentina	0.75	0.93	0.88	0.88	4.43	3.68	4.34	4.34	3.32	3.40	3.80	3.80	0.00	0.00	0.40	11.76
Brazil	0.87	0.95	0.98	0.98	2.41	3.20	3.00	3.00	2.08	3.04	2.94	2.94	0.00	0.00	-0.10	-3.35
South Asia																
India	4.38	4.60	4.50	4.50	1.10	0.92	0.98	0.98	4.81	4.25	4.40	4.40	0.00	0.00	0.15	3.53
Pakistan	0.13	0.08	0.22	0.22	0.76	0.83	0.63	0.63	0.10	0.06	0.14	0.14	0.00	0.00	0.07	110.94
China	0.64	0.63	0.63	0.63	4.68	4.76	4.76	4.76	2.97	3.00	3.00	3.00	0.00	0.00	0.00	0.00
Australia	0.57	0.62	0.84	0.84	2.86	4.38	3.45	3.45	1.64	2.73	2.90	2.90	0.00	0.00	0.17	6.11
European Union	0.19	0.15	0.13	0.13	5.21	5.49	4.41	4.41	1.00	0.82	0.59	0.59	0.00	0.00	-0.23	-28.19
Others	5.80	5.68	5.60	5.60	1.12	1.11	1.09	1.09	6.48	6.27	6.09	6.09	0.00	0.00	-0.18	-2.89

World and Selected Countries and Regions

Table 09 Rice Area, Yield, and Production

World and Selected Countries and Regions

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	165.20	166.11	164.30	163.74	4.60	4.63	4.58	4.59	509.33	514.95	503.27	502.97	-0.30	-0.06	-11.99	-2.33
United States	1.21	1.01	0.88	0.88	8.54	8.64	8.46	8.28	7.22	6.08	5.22	5.09	-0.13	-2.41	-0.99	-16.29
Total Foreign	163.99	165.10	163.42	162.86	4.57	4.60	4.55	4.57	502.10	508.87	498.05	497.88	-0.18	-0.04	-11.00	-2.16
East Asia																
China	30.08	29.92	30.00	29.45	7.04	7.11	7.00	7.08	148.30	148.99	147.00	145.95	-1.05	-0.72	-3.04	-2.04
Japan	1.53	1.52	1.50	1.50	6.78	6.93	6.82	6.82	7.57	7.67	7.45	7.45	0.00	0.00	-0.22	-2.80
Korea, South	0.73	0.73	0.73	0.73	6.49	7.12	6.94	6.94	3.51	3.88	3.76	3.76	0.00	0.00	-0.12	-3.07
Korea, North	0.49	0.50	0.50	0.50	4.44	4.18	4.18	4.18	1.40	1.36	1.36	1.36	0.00	0.00	0.00	0.00
South Asia																
India	45.77	46.38	45.50	45.50	4.08	4.21	4.09	4.12	124.37	130.29	124.00	125.00	1.00	0.81	-5.29	-4.06
Bangladesh	11.50	11.62	11.50	11.50	4.51	4.63	4.65	4.65	34.60	35.85	35.65	35.65	0.00	0.00	-0.20	-0.56
Pakistan	3.34	3.54	3.00	3.00	3.79	3.95	3.30	3.30	8.42	9.32	6.60	6.60	0.00	0.00	-2.72	-29.21
Nepal	1.47	1.48	1.42	1.45	3.82	3.47	3.83	3.79	3.74	3.42	3.62	3.65	0.03	0.94	0.24	6.94
Sri Lanka	1.09	1.13	0.98	0.98	4.59	3.56	3.60	3.60	3.39	2.73	2.40	2.40	0.00	0.00	-0.33	-12.18
Southeast Asia																
Indonesia	11.40	11.60	11.65	11.65	4.77	4.67	4.68	4.68	34.50	34.40	34.60	34.60	0.00	0.00	0.20	0.58
Vietnam	7.31	7.27	7.28	7.28	6.00	5.93	5.99	5.99	27.38	26.94	27.23	27.23	0.00	0.00	0.28	1.04
Thailand	10.51	10.70	10.85	10.85	2.72	2.81	2.81	2.81	18.86	19.88	20.10	20.10	0.00	0.00	0.22	1.12
Burma	6.90	6.90	6.90	6.90	2.85	2.80	2.83	2.83	12.60	12.35	12.50	12.50	0.00	0.00	0.15	1.20
Philippines	4.76	4.80	4.80	4.80	4.14	4.15	4.10	4.10	12.42	12.54	12.41	12.41	0.00	0.00	-0.13	-1.03
Cambodia	3.26	3.27	3.31	3.31	2.89	2.89	2.94	2.94	5.74	5.77	5.93	5.93	0.00	0.00	0.16	2.81
Laos	0.93	0.94	0.95	0.95	3.24	3.28	3.26	3.26	1.90	1.95	1.95	1.95	0.00	0.00	0.00	0.00
Malaysia	0.68	0.67	0.68	0.68	4.07	4.09	4.07	4.07	1.80	1.78	1.80	1.80	0.00	0.00	0.02	1.12
South America																
Brazil	1.68	1.62	1.52	1.52	7.00	6.67	7.00	7.00	8.00	7.34	7.24	7.24	0.00	0.00	-0.10	-1.39
Peru	0.41	0.42	0.42	0.42	8.22	8.37	8.55	8.55	2.34	2.43	2.48	2.48	0.00	0.00	0.05	2.22
Africa																
Egypt	0.70	0.50	0.60	0.60	8.28	8.41	8.70	8.70	4.00	2.90	3.60	3.60	0.00	0.00	0.70	24.14
Madagascar	1.68	1.65	1.60	1.60	2.53	2.65	2.69	2.69	2.71	2.80	2.75	2.75	0.00	0.00	-0.05	-1.82
Nigeria	3.60	3.65	3.50	3.50	2.27	2.29	2.29	2.29	5.15	5.26	5.04	5.04	0.00	0.00	-0.22	-4.09
European Union	0.42	0.40	0.33	0.33	6.74	6.57	6.06	6.06	1.83	1.72	1.29	1.29	0.00	0.00	-0.44	-25.42
Iran	0.58	0.56	0.57	0.57	5.27	5.14	5.32	5.32	2.00	1.90	2.00	2.00	0.00	0.00	0.10	5.26
Others	13.21	13.33	13.33	13.29	2.94	2.89	2.88	2.87	25.58	25.40	25.29	25.14	-0.16	-0.61	-0.26	-1.02

Yield is on a rough basis, before the milling process. Production is on a milled basis, after the milling process.

Table 10 Total Oilseed Area, Yield, and Production

World and Selected Countries and Regions

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World Total	--	--	--	--	--	--	--	--	607.52	606.92	644.40	641.94	-2.46	-0.38	35.01	5.77
Total Foreign	--	--	--	--	--	--	--	--	483.00	475.57	516.47	515.97	-0.50	-0.10	40.40	8.50
Oilseed, Copra	--	--	--	--	--	--	--	--	5.59	5.86	5.86	5.86	0.00	0.00	0.00	0.00
Oilseed, Palm Kernel	--	--	--	--	--	--	--	--	19.05	19.27	19.87	19.87	0.00	0.00	0.60	3.12
Major OilSeeds	251.51	260.62	263.23	264.77	2.32	2.23	2.35	2.33	582.88	581.79	618.66	616.20	-2.46	-0.40	34.41	5.92
United States	38.81	41.06	40.36	40.04	3.21	3.20	3.17	3.15	124.52	131.35	127.92	125.96	-1.96	-1.53	-5.39	-4.10
Foreign Oilseeds	212.70	219.55	222.88	224.73	2.15	2.05	2.20	2.18	458.36	450.44	490.74	490.24	-0.50	-0.10	39.80	8.84
South America	66.09	68.49	70.75	71.28	3.19	2.85	3.24	3.18	210.92	195.17	229.20	226.68	-2.52	-1.10	31.51	16.14
Brazil	41.07	43.33	44.75	45.28	3.50	3.10	3.51	3.49	143.77	134.17	157.13	158.23	1.10	0.70	24.06	17.93
Argentina	18.97	18.77	19.33	19.33	2.70	2.65	2.86	2.68	51.21	49.67	55.30	51.88	-3.42	-6.18	2.21	4.45
Paraguay	3.24	3.39	3.54	3.54	3.09	1.28	2.86	2.86	10.02	4.32	10.13	10.13	0.00	0.00	5.81	134.43
Bolivia	1.57	1.54	1.57	1.57	2.24	2.07	2.10	2.10	3.51	3.20	3.30	3.30	0.00	0.00	0.10	3.22
Uruguay	1.11	1.32	1.43	1.43	1.85	2.62	2.11	1.97	2.06	3.46	3.00	2.80	-0.20	-6.66	-0.66	-19.01
China	25.45	24.20	25.20	26.12	2.59	2.58	2.58	2.56	65.81	62.34	65.02	66.95	1.93	2.97	4.61	7.39
South Asia	42.16	41.64	42.84	43.24	0.96	1.06	1.04	1.03	40.48	44.04	44.35	44.43	0.08	0.17	0.39	0.87
India	39.15	38.70	40.08	40.48	0.96	1.04	1.04	1.03	37.55	40.25	41.54	41.62	0.08	0.18	1.37	3.40
Pakistan	2.65	2.58	2.40	2.40	0.94	1.30	0.99	0.99	2.50	3.36	2.37	2.37	0.00	0.00	-0.99	-29.41
European Union	11.10	10.99	12.09	12.09	2.59	2.79	2.64	2.64	28.77	30.71	31.95	31.95	0.00	0.00	1.24	4.04
United Kingdom	0.38	0.31	0.36	0.36	2.73	3.20	3.40	3.40	1.04	0.98	1.23	1.23	0.00	0.00	0.24	24.87
Former Soviet Union - 12	25.91	27.77	26.24	26.24	1.73	1.89	1.81	1.81	44.71	52.44	47.48	47.48	0.00	0.00	-4.96	-9.45
Russia	12.50	14.23	14.90	14.90	1.61	1.62	1.74	1.74	20.14	23.11	25.90	25.90	0.00	0.00	2.79	12.09
Ukraine	9.65	9.58	7.25	7.25	2.06	2.54	2.32	2.32	19.85	24.32	16.80	16.80	0.00	0.00	-7.52	-30.91
Uzbekistan	1.08	1.08	1.09	1.09	1.20	1.03	1.02	1.02	1.29	1.11	1.11	1.11	0.00	0.00	0.00	0.18
Canada	10.41	11.12	10.75	10.76	2.49	1.81	2.38	2.38	25.95	20.11	25.61	25.63	0.02	0.06	5.52	27.43
Africa	22.12	24.79	24.04	24.04	1.08	0.98	1.04	1.04	23.99	24.36	24.94	24.94	0.00	0.00	0.58	2.37
Nigeria	4.62	4.97	4.87	4.87	1.19	1.11	1.21	1.21	5.49	5.50	5.90	5.90	0.00	0.00	0.41	7.37
South Africa	1.36	1.66	1.76	1.76	1.98	1.89	1.82	1.82	2.69	3.14	3.20	3.20	0.00	0.00	0.06	1.78
Tanzania	1.17	1.24	1.35	1.35	1.02	0.98	0.93	0.93	1.19	1.21	1.25	1.25	0.00	0.00	0.04	3.39
Southeast Asia	3.25	3.21	3.18	3.18	1.36	1.36	1.38	1.38	4.42	4.38	4.37	4.37	0.00	0.00	-0.01	-0.16
Burma	2.03	2.04	2.04	2.04	1.17	1.19	1.21	1.21	2.37	2.42	2.46	2.46	0.00	0.00	0.05	1.86
Indonesia	0.94	0.90	0.87	0.87	1.54	1.55	1.55	1.55	1.45	1.39	1.35	1.35	0.00	0.00	-0.04	-2.53
Australia	2.94	3.97	4.16	4.16	1.93	2.24	2.14	2.14	5.69	8.88	8.90	8.90	0.00	0.00	0.02	0.26
Turkey	1.18	1.32	1.48	1.48	2.46	2.55	2.69	2.69	2.89	3.37	3.98	3.98	0.00	0.00	0.61	18.02
Others	1.70	1.74	1.78	1.78	2.18	2.10	2.09	2.09	3.69	3.66	3.72	3.72	0.00	0.00	0.06	1.50

World Total and Total Foreign: (Major Oilseeds plus copra and palm kernel) Major Oilseeds: (soybeans, sunflowerseeds, peanuts(inshell), cottonseed and rapeseed)

Table 11 Soybean Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	129.00	130.95	135.05	136.14	2.86	2.73	2.90	2.85	368.52	358.10	391.17	388.01	-3.16	-0.81	29.91	8.35
United States	33.43	34.93	35.06	34.94	3.43	3.48	3.37	3.33	114.75	121.53	118.27	116.38	-1.89	-1.60	-5.15	-4.24
Total Foreign	95.57	96.02	99.99	101.20	2.66	2.46	2.73	2.68	253.77	236.57	272.90	271.63	-1.27	-0.47	35.06	14.82
South America																
Brazil	39.50	41.50	42.90	43.40	3.53	3.12	3.54	3.53	139.50	129.50	152.00	153.00	1.00	0.66	23.50	18.15
Argentina	16.47	15.90	16.50	16.30	2.81	2.76	3.00	2.79	46.20	43.90	49.50	45.50	-4.00	-8.08	1.60	3.64
Paraguay	3.15	3.30	3.45	3.45	3.14	1.27	2.90	2.90	9.90	4.20	10.00	10.00	0.00	0.00	5.80	138.10
Bolivia	1.43	1.40	1.43	1.43	2.32	2.14	2.17	2.17	3.32	3.00	3.10	3.10	0.00	0.00	0.10	3.33
Uruguay	0.95	1.10	1.10	1.10	1.88	2.80	2.27	2.09	1.79	3.07	2.50	2.30	-0.20	-8.00	-0.77	-25.08
East Asia																
China	9.88	8.42	9.35	10.27	1.98	1.95	1.97	1.98	19.60	16.40	18.40	20.33	1.93	10.48	3.93	23.99
Korea, South	0.06	0.05	0.06	0.06	1.47	2.06	1.73	1.73	0.08	0.11	0.10	0.10	0.00	0.00	-0.02	-14.41
Korea, North	0.16	0.17	0.17	0.17	1.40	1.44	1.44	1.44	0.23	0.24	0.24	0.24	0.00	0.00	0.00	0.00
Japan	0.14	0.15	0.15	0.15	1.54	1.63	1.55	1.55	0.22	0.24	0.23	0.23	0.00	0.00	-0.01	-2.52
India	12.92	12.50	12.70	12.70	0.81	0.95	0.94	0.94	10.45	11.90	12.00	12.00	0.00	0.00	0.10	0.84
Canada	2.04	2.13	2.12	2.12	3.12	2.94	3.09	3.09	6.36	6.27	6.54	6.54	0.00	0.00	0.27	4.32
Former Soviet Union - 12																
Russia	2.71	2.99	3.30	3.30	1.59	1.59	1.67	1.67	4.31	4.76	5.50	5.50	0.00	0.00	0.74	15.55
Ukraine	1.46	1.44	1.50	1.50	2.05	2.64	2.40	2.40	3.00	3.80	3.60	3.60	0.00	0.00	-0.20	-5.26
European Union	1.00	0.98	1.06	1.06	2.61	2.76	2.34	2.34	2.60	2.71	2.47	2.47	0.00	0.00	-0.24	-8.87
Southeast Asia																
Indonesia	0.39	0.35	0.33	0.33	1.22	1.21	1.21	1.21	0.48	0.43	0.40	0.40	0.00	0.00	-0.03	-5.88
Vietnam	0.04	0.03	0.03	0.03	1.61	1.61	1.60	1.60	0.06	0.05	0.05	0.05	0.00	0.00	-0.01	-9.43
Thailand	0.03	0.03	0.03	0.03	1.63	1.63	1.63	1.63	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00
Burma	0.14	0.13	0.13	0.13	1.04	1.04	1.04	1.04	0.14	0.14	0.13	0.13	0.00	0.00	-0.01	-3.70
Serbia	0.22	0.22	0.22	0.22	2.89	2.45	2.50	2.50	0.64	0.54	0.55	0.55	0.00	0.00	0.01	1.85
Mexico	0.16	0.18	0.15	0.15	1.58	1.57	1.50	1.50	0.25	0.29	0.23	0.23	0.00	0.00	-0.06	-21.88
Africa																
South Africa	0.83	0.93	1.10	1.10	2.29	2.38	2.05	2.05	1.90	2.20	2.25	2.25	0.00	0.00	0.05	2.27
Nigeria	1.10	1.20	1.20	1.20	1.01	0.93	1.04	1.04	1.11	1.12	1.25	1.25	0.00	0.00	0.13	11.91
Zambia	0.16	0.30	0.38	0.38	1.81	1.35	1.27	1.27	0.30	0.41	0.48	0.48	0.00	0.00	0.06	15.57
Uganda	0.05	0.05	0.05	0.05	0.60	0.60	0.60	0.60	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Middle East																
Iran	0.07	0.07	0.08	0.08	2.41	2.29	2.27	2.27	0.17	0.16	0.17	0.17	0.00	0.00	0.01	6.25
Turkey	0.03	0.03	0.04	0.04	3.79	3.91	4.00	4.00	0.11	0.13	0.14	0.14	0.00	0.00	0.02	12.00
Others	0.49	0.47	0.49	0.49	2.06	2.03	2.05	2.05	1.01	0.95	1.01	1.01	0.00	0.00	0.06	6.65

World and Selected Countries and Regions

Table 12 Cottonseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	30.81	31.76	31.52	31.37	1.33	1.31	1.34	1.34	41.01	41.70	42.13	42.11	-0.02	-0.05	0.41	0.97
United States	3.33	4.16	3.19	3.01	1.22	1.16	1.23	1.34	4.05	4.83	3.92	4.04	0.12	3.06	-0.79	-16.30
Total Foreign	27.49	27.61	28.33	28.36	1.34	1.34	1.35	1.34	36.96	36.87	38.21	38.07	-0.14	-0.37	1.19	3.24
South Asia																
India	13.29	12.15	13.00	13.00	0.88	0.85	0.90	0.87	11.72	10.36	11.68	11.25	-0.42	-3.63	0.89	8.61
Pakistan	2.20	2.00	1.80	1.80	0.89	1.30	0.89	0.89	1.95	2.60	1.60	1.60	0.00	0.00	-1.00	-38.32
China	3.20	3.10	3.00	3.00	3.63	3.39	3.66	3.66	11.60	10.50	10.97	10.97	0.00	0.00	0.47	4.47
Former Soviet Union - 12																
Uzbekistan	1.06	1.06	1.07	1.07	1.18	1.00	0.99	0.99	1.25	1.06	1.06	1.06	0.00	0.00	0.00	0.00
Turkmenistan	0.55	0.55	0.55	0.55	0.66	0.64	0.64	0.64	0.36	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Tajikistan	0.16	0.17	0.17	0.17	1.11	1.09	1.11	1.11	0.18	0.19	0.19	0.19	0.00	0.00	0.00	1.08
Kazakhstan	0.11	0.12	0.13	0.13	0.95	0.90	0.94	0.94	0.11	0.10	0.12	0.12	0.00	0.00	0.01	13.59
South America																
Brazil	1.37	1.60	1.60	1.63	2.62	2.43	2.70	2.71	3.59	3.89	4.32	4.42	0.10	2.32	0.53	13.49
Argentina	0.41	0.48	0.43	0.43	0.72	0.68	0.71	1.13	0.29	0.33	0.30	0.48	0.18	60.33	0.16	47.55
Middle East																
Turkey	0.35	0.45	0.56	0.56	2.71	2.76	2.88	2.88	0.95	1.24	1.60	1.60	0.00	0.00	0.36	28.93
Syria	0.03	0.03	0.03	0.03	2.36	2.20	2.20	2.20	0.06	0.06	0.06	0.06	0.00	0.00	0.00	0.00
Iran	0.10	0.10	0.10	0.10	1.35	1.35	1.35	1.35	0.13	0.14	0.14	0.14	0.00	0.00	0.00	0.00
Australia	0.28	0.60	0.50	0.50	3.06	2.88	3.00	3.00	0.84	1.73	1.50	1.50	0.00	0.00	-0.23	-13.03
European Union	0.34	0.32	0.31	0.31	1.59	1.66	1.63	1.63	0.54	0.54	0.51	0.51	0.00	0.00	-0.03	-5.78
Africa																
Burkina Faso	0.56	0.60	0.63	0.63	0.47	0.45	0.43	0.43	0.26	0.27	0.27	0.27	0.00	0.00	0.00	0.38
Mali	0.17	0.72	0.69	0.69	0.51	0.56	0.45	0.45	0.08	0.40	0.31	0.31	0.00	0.00	-0.09	-23.02
Cameroon	0.23	0.23	0.24	0.24	1.51	1.39	1.35	1.35	0.34	0.32	0.33	0.33	0.00	0.00	0.01	1.56
Cote d'Ivoire	0.45	0.47	0.46	0.46	0.61	0.60	0.48	0.48	0.27	0.28	0.22	0.22	0.00	0.00	-0.06	-21.00
Benin	0.62	0.64	0.62	0.62	0.78	0.73	0.75	0.75	0.48	0.47	0.46	0.46	0.00	0.00	-0.01	-1.28
Tanzania	0.17	0.24	0.35	0.35	0.56	0.46	0.43	0.43	0.09	0.11	0.15	0.15	0.00	0.00	0.04	36.94
Egypt	0.07	0.09	0.13	0.13	1.00	1.00	0.98	0.98	0.07	0.09	0.13	0.13	0.00	0.00	0.04	50.59
Nigeria	0.27	0.27	0.27	0.27	0.56	0.56	0.56	0.56	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Uganda	0.10	0.10	0.10	0.10	1.40	1.40	1.49	1.49	0.14	0.14	0.15	0.15	0.00	0.00	0.01	6.43
Zimbabwe	0.24	0.25	0.24	0.24	0.39	0.33	0.34	0.34	0.09	0.08	0.08	0.08	0.00	0.00	0.00	0.00
Sudan	0.20	0.20	0.20	0.20	1.41	1.41	1.53	1.53	0.28	0.28	0.31	0.31	0.00	0.00	0.02	8.51
Mexico	0.15	0.15	0.20	0.20	2.40	2.71	2.39	2.39	0.35	0.42	0.48	0.48	0.00	0.00	0.06	14.63
Burma	0.24	0.25	0.25	0.25	1.17	1.18	1.18	1.18	0.28	0.29	0.29	0.29	0.00	0.00	0.00	0.00
Others	0.63	0.69	0.73	0.73	0.81	0.73	0.69	0.69	0.51	0.51	0.51	0.51	0.00	0.00	0.00	0.40

World and Selected Countries and Regions

Table 13 Peanut Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	29.93	30.94	29.67	29.66	1.68	1.63	1.70	1.69	50.26	50.43	50.32	50.23	-0.09	-0.18	-0.21	-0.41
United States	0.65	0.62	0.57	0.56	4.27	4.63	4.58	4.50	2.79	2.89	2.62	2.53	-0.09	-3.51	-0.36	-12.44
Total Foreign	29.27	30.32	29.10	29.10	1.62	1.57	1.64	1.64	47.46	47.55	47.70	47.70	0.00	0.00	0.15	0.32
China	4.73	4.81	4.80	4.80	3.80	3.81	3.81	3.81	17.99	18.31	18.30	18.30	0.00	0.00	-0.01	-0.04
Africa																
Nigeria	3.25	3.50	3.40	3.40	1.30	1.21	1.32	1.32	4.23	4.23	4.50	4.50	0.00	0.00	0.27	6.43
Sudan	3.20	3.94	3.00	3.00	0.87	0.60	0.83	0.83	2.77	2.36	2.50	2.50	0.00	0.00	0.15	6.16
Senegal	1.23	1.21	1.20	1.20	1.47	1.38	1.42	1.42	1.80	1.68	1.70	1.70	0.00	0.00	0.02	1.31
Cameroon	0.43	0.43	0.43	0.43	1.40	1.40	1.40	1.40	0.60	0.60	0.60	0.60	0.00	0.00	0.00	0.00
Ghana	0.34	0.34	0.34	0.34	1.68	1.41	1.41	1.41	0.57	0.48	0.48	0.48	0.00	0.00	0.00	0.00
Chad	0.76	0.80	0.80	0.80	1.11	1.13	1.13	1.13	0.84	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Malawi	0.40	0.40	0.40	0.40	0.88	0.88	0.88	0.88	0.35	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Congo (Kinshasa)	0.50	0.50	0.50	0.50	0.90	0.90	0.90	0.90	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00
Niger	0.90	0.92	0.92	0.92	0.66	0.56	0.60	0.60	0.59	0.52	0.55	0.55	0.00	0.00	0.03	5.97
Mali	0.43	0.43	0.43	0.43	1.16	0.87	1.00	1.00	0.49	0.37	0.43	0.43	0.00	0.00	0.06	15.49
Uganda	0.34	0.40	0.40	0.40	0.99	0.75	0.75	0.75	0.34	0.30	0.30	0.30	0.00	0.00	0.00	0.00
Burkina Faso	0.65	0.60	0.60	0.60	0.97	0.80	0.83	0.83	0.63	0.48	0.50	0.50	0.00	0.00	0.02	4.82
Guinea	0.98	1.10	1.10	1.10	1.10	1.21	1.09	1.09	1.07	1.34	1.20	1.20	0.00	0.00	-0.14	-10.11
Egypt	0.06	0.06	0.06	0.06	3.20	3.20	3.20	3.20	0.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00
Central African Republic	0.10	0.10	0.10	0.10	1.50	1.50	1.50	1.50	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
South Africa	0.04	0.04	0.04	0.04	2.21	1.48	1.63	1.63	0.09	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Mozambique	0.35	0.38	0.38	0.38	0.30	0.34	0.34	0.34	0.10	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.16	0.15	0.15	0.15	1.40	1.45	1.45	1.45	0.23	0.21	0.21	0.21	0.00	0.00	0.00	0.00
Benin	0.17	0.19	0.19	0.19	1.01	0.92	0.92	0.92	0.18	0.18	0.18	0.18	0.00	0.00	0.00	0.00
South Asia																
India	6.02	5.60	5.50	5.50	1.11	1.21	1.21	1.21	6.70	6.80	6.65	6.65	0.00	0.00	-0.15	-2.21
Pakistan	0.14	0.15	0.15	0.15	0.90	0.94	0.93	0.93	0.12	0.15	0.14	0.14	0.00	0.00	-0.01	-3.45
Southeast Asia																
Indonesia	0.55	0.55	0.54	0.54	1.78	1.76	1.76	1.76	0.97	0.96	0.95	0.95	0.00	0.00	-0.01	-1.04
Burma	1.06	1.06	1.07	1.07	1.48	1.51	1.55	1.55	1.56	1.60	1.65	1.65	0.00	0.00	0.05	3.13
Vietnam	0.17	0.16	0.16	0.16	2.50	2.50	2.50	2.50	0.41	0.40	0.39	0.39	0.00	0.00	-0.01	-3.00
Thailand	0.02	0.02	0.02	0.02	1.67	1.67	1.67	1.67	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00
South America																
Argentina	0.40	0.41	0.38	0.38	3.16	3.29	3.29	3.29	1.27	1.34	1.25	1.25	0.00	0.00	-0.09	-6.72
Brazil	0.17	0.20	0.21	0.21	3.86	3.68	3.66	3.66	0.64	0.72	0.75	0.75	0.00	0.00	0.03	4.46
Mexico	0.06	0.05	0.05	0.05	1.73	1.74	1.74	1.74	0.10	0.09	0.09	0.09	0.00	0.00	0.00	0.00
Others	1.70	1.83	1.79	1.79	1.16	1.19	1.18	1.18	1.97	2.17	2.10	2.10	0.00	0.00	-0.07	-3.13

World and Selected Countries and Regions

Table 14 Sunflowerseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	26.86	28.82	26.90	27.09	1.83	1.99	1.89	1.89	49.20	57.31	50.70	51.07	0.37	0.73	-6.24	-10.89
United States	0.67	0.50	0.66	0.65	2.01	1.71	2.00	1.96	1.35	0.86	1.32	1.28	-0.04	-3.33	0.41	47.69
Total Foreign	26.18	28.32	26.24	26.44	1.83	1.99	1.88	1.88	47.84	56.45	49.38	49.80	0.42	0.84	-6.65	-11.79
Former Soviet Union - 12																
Russia	8.35	9.61	9.40	9.40	1.59	1.62	1.76	1.76	13.27	15.57	16.50	16.50	0.00	0.00	0.93	5.96
Ukraine	7.00	7.10	4.60	4.60	2.01	2.46	2.17	2.17	14.10	17.50	10.00	10.00	0.00	0.00	-7.50	-42.86
Kazakhstan	0.75	0.94	1.05	1.05	1.13	1.10	1.05	1.05	0.84	1.03	1.10	1.10	0.00	0.00	0.07	6.59
European Union	4.44	4.36	4.82	4.82	2.00	2.35	1.97	1.97	8.90	10.25	9.48	9.48	0.00	0.00	-0.77	-7.55
South America																
Argentina	1.67	1.96	2.00	2.20	2.05	2.07	2.10	2.09	3.43	4.05	4.20	4.60	0.40	9.52	0.55	13.58
Uruguay	0.07	0.07	0.08	0.08	1.69	1.62	1.71	1.71	0.11	0.11	0.13	0.13	0.00	0.00	0.02	16.36
Bolivia	0.14	0.14	0.14	0.14	1.39	1.39	1.40	1.40	0.19	0.20	0.20	0.20	0.00	0.00	0.00	1.54
Brazil	0.03	0.04	0.04	0.04	1.13	1.62	1.60	1.60	0.04	0.06	0.06	0.06	0.00	0.00	0.00	6.67
Paraguay	0.03	0.03	0.03	0.03	1.53	1.55	1.56	1.56	0.05	0.05	0.05	0.05	0.00	0.00	0.00	4.17
China	0.87	0.89	0.95	0.95	2.94	2.73	2.79	2.79	2.57	2.42	2.65	2.65	0.00	0.00	0.23	9.32
South Asia																
India	0.23	0.25	0.28	0.28	0.82	0.76	0.78	0.78	0.19	0.19	0.22	0.22	0.00	0.00	0.03	13.16
Pakistan	0.06	0.10	0.10	0.10	1.43	1.38	1.35	1.35	0.09	0.14	0.14	0.14	0.00	0.00	-0.01	-4.26
Middle East																
Turkey	0.72	0.76	0.79	0.79	2.17	2.30	2.41	2.41	1.56	1.75	1.90	1.90	0.00	0.00	0.15	8.57
Iran	0.04	0.04	0.04	0.04	1.08	1.00	1.02	1.02	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00
Israel	0.00	0.00	0.00	0.00	5.00	2.00	6.00	6.00	0.01	0.00	0.01	0.01	0.00	0.00	0.01	500.00
Africa																
Egypt	0.01	0.01	0.01	0.01	2.38	2.38	2.50	2.50	0.02	0.02	0.03	0.03	0.00	0.00	0.01	31.58
Morocco	0.02	0.02	0.02	0.02	1.16	1.25	1.11	1.11	0.02	0.03	0.02	0.02	0.00	0.00	-0.01	-20.00
South Africa	0.48	0.67	0.60	0.60	1.42	1.26	1.42	1.42	0.68	0.85	0.85	0.85	0.00	0.00	0.00	0.47
Burma	0.60	0.60	0.60	0.60	0.65	0.65	0.65	0.65	0.39	0.39	0.39	0.39	0.00	0.00	0.00	0.00
Canada	0.05	0.04	0.03	0.04	2.24	2.05	2.06	2.21	0.10	0.08	0.07	0.08	0.02	23.53	0.00	2.44
Australia	0.02	0.02	0.03	0.03	1.44	1.58	1.48	1.48	0.03	0.03	0.04	0.04	0.00	0.00	0.01	23.33
Others	0.62	0.67	0.64	0.64	1.98	2.54	2.07	2.07	1.23	1.69	1.32	1.32	0.00	0.00	-0.37	-22.00

World and Selected Countries and Regions

Table 15 Rapeseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
World	34.92	38.14	40.11	40.51	2.12	1.95	2.10	2.09	73.89	74.24	84.34	84.79	0.45	0.53	10.55	14.21
United States	0.73	0.85	0.88	0.88	2.16	1.46	2.05	1.98	1.58	1.24	1.80	1.74	-0.06	-3.06	0.50	40.03
Total Foreign	34.19	37.29	39.23	39.63	2.12	1.96	2.10	2.10	72.32	73.00	82.54	83.04	0.50	0.61	10.05	13.77
European Union	5.32	5.33	5.92	5.92	3.14	3.23	3.30	3.30	16.73	17.22	19.50	19.50	0.00	0.00	2.28	13.27
United Kingdom	0.38	0.31	0.36	0.36	2.73	3.20	3.40	3.40	1.04	0.98	1.23	1.23	0.00	0.00	0.24	24.87
Switzerland	0.02	0.02	0.02	0.02	3.14	3.14	3.14	3.14	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Canada	8.33	8.95	8.60	8.60	2.34	1.54	2.21	2.21	19.49	13.76	19.00	19.00	0.00	0.00	5.24	38.11
China	6.77	6.99	7.10	7.10	2.08	2.10	2.07	2.07	14.05	14.71	14.70	14.70	0.00	0.00	-0.01	-0.10
South Asia																
India	6.70	8.20	8.60	9.00	1.27	1.34	1.28	1.28	8.50	11.00	11.00	11.50	0.50	4.55	0.50	4.55
Pakistan	0.25	0.32	0.35	0.35	1.35	1.47	1.40	1.40	0.34	0.47	0.49	0.49	0.00	0.00	0.02	4.26
Bangladesh	0.25	0.25	0.25	0.25	0.92	0.92	0.92	0.92	0.23	0.23	0.23	0.23	0.00	0.00	0.00	0.00
Former Soviet Union - 12																
Russia	1.45	1.62	2.20	2.20	1.77	1.71	1.77	1.77	2.57	2.78	3.90	3.90	0.00	0.00	1.13	40.54
Ukraine	1.19	1.04	1.15	1.15	2.31	2.91	2.78	2.78	2.75	3.02	3.20	3.20	0.00	0.00	0.19	6.14
Belarus	0.36	0.32	0.33	0.33	2.06	1.59	1.69	1.69	0.73	0.50	0.55	0.55	0.00	0.00	0.05	10.00
Kazakhstan	0.12	0.12	0.13	0.13	1.23	1.24	1.23	1.23	0.15	0.15	0.16	0.16	0.00	0.00	0.01	9.59
Australia	2.61	3.32	3.60	3.60	1.82	2.13	2.03	2.03	4.76	7.05	7.30	7.30	0.00	0.00	0.25	3.55
South America																
Chile	0.04	0.04	0.03	0.03	3.81	3.86	3.87	3.87	0.14	0.14	0.12	0.12	0.00	0.00	-0.02	-11.11
Paraguay	0.05	0.04	0.05	0.05	1.41	1.45	1.51	1.51	0.07	0.06	0.07	0.07	0.00	0.00	0.00	6.25
Ethiopia	0.03	0.03	0.03	0.03	1.80	1.80	1.80	1.80	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00
Others	0.33	0.41	0.52	0.52	2.02	2.03	1.88	1.88	0.67	0.83	0.99	0.99	0.00	0.00	0.16	19.06

World and Selected Countries and Regions

Table 16 Copra, Palm Kernel, and Palm Oil Production

Country / Region	Production (Million metric tons)				Change in Production			
		Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	MMT	Percent	MMT	Percent
Oilseed, Copra								
Philippines	2.40	2.60	2.60	2.60	0.00	0.00	0.00	0.00
Indonesia	1.67	1.68	1.68	1.68	0.00	0.00	0.00	0.00
India	0.75	0.79	0.80	0.80	0.00	0.00	0.01	1.27
Vietnam	0.28	0.29	0.29	0.29	0.00	0.00	0.00	0.00
Papua New Guinea	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Thailand	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Sri Lanka	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Mexico	0.04	0.05	0.04	0.04	0.00	0.00	-0.01	-20.00
Solomon Islands	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
World	5.59	5.86	5.86	5.86	0.00	0.00	0.00	0.00
Oilseed, Palm Kernel								
Indonesia	11.46	11.40	11.60	11.60	0.00	0.00	0.20	1.75
Malaysia	4.34	4.45	4.75	4.75	0.00	0.00	0.30	6.74
Nigeria	0.82	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Thailand	0.79	0.83	0.86	0.86	0.00	0.00	0.03	3.61
Colombia	0.29	0.31	0.34	0.34	0.00	0.00	0.03	9.68
Guatemala	0.17	0.18	0.18	0.18	0.00	0.00	0.00	0.00
Papua New Guinea	0.16	0.17	0.17	0.17	0.00	0.00	0.01	6.25
Honduras	0.13	0.16	0.16	0.16	0.00	0.00	0.00	0.00
Brazil	0.14	0.15	0.15	0.15	0.00	0.00	0.01	7.14
Cameroon	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
World	19.05	19.27	19.87	19.87	0.00	0.00	0.60	3.11
Oil, Palm								
Indonesia	43.50	43.20	45.50	45.50	0.00	0.00	2.30	5.32
Malaysia	17.85	18.15	18.80	18.80	0.00	0.00	0.65	3.58
Thailand	2.96	3.15	3.26	3.26	0.00	0.00	0.11	3.49
Colombia	1.56	1.75	1.84	1.84	0.00	0.00	0.09	5.14
Nigeria	1.28	1.40	1.40	1.40	0.00	0.00	0.00	0.00
Guatemala	0.87	0.88	0.91	0.91	0.00	0.00	0.03	3.41
Papua New Guinea	0.60	0.63	0.65	0.65	0.00	0.00	0.03	4.84
Honduras	0.45	0.60	0.60	0.60	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.55	0.58	0.60	0.60	0.00	0.00	0.03	5.26
Brazil	0.55	0.55	0.57	0.57	0.00	0.00	0.02	3.64
World	73.08	73.83	77.22	77.22	0.00	0.00	3.39	4.59

World and Selected Countries and Regions

Table 17 Cotton Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Kilograms per hectare)				Production (Million 480 lb. bales)				Change in Production			
		Prel.	2022/23 Proj.			Prel.	2022/23 Proj.			Prel.	2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	2020/21	2021/22	Dec	Jan	MBales	Percent	MBales	Percent
World	31.37	32.31	32.06	31.92	774	780	786	787	111.49	115.72	115.73	115.40	-0.33	-0.29	-0.32	-0.28
United States	3.33	4.16	3.19	3.01	957	918	973	1,062	14.61	17.52	14.24	14.68	0.44	3.08	-2.84	-16.22
Total Foreign	28.04	28.16	28.88	28.91	752	759	765	759	96.88	98.19	101.49	100.72	-0.77	-0.76	2.52	2.57
South Asia																
India	13.29	12.15	13.00	13.00	452	437	461	444	27.60	24.40	27.50	26.50	-1.00	-3.64	2.10	8.61
Pakistan	2.20	2.00	1.80	1.80	445	653	448	448	4.50	6.00	3.70	3.70	0.00	0.00	-2.30	-38.33
China	3.20	3.10	3.00	3.00	2,014	1,882	2,032	2,032	29.60	26.80	28.00	28.00	0.00	0.00	1.20	4.48
South America																
Brazil	1.37	1.60	1.60	1.63	1,720	1,595	1,769	1,777	10.82	11.72	13.00	13.30	0.30	2.31	1.58	13.48
Argentina	0.41	0.48	0.43	0.43	717	680	692	666	1.35	1.50	1.35	1.30	-0.05	-3.70	-0.20	-13.33
Paraguay	0.01	0.01	0.01	0.01	416	416	416	416	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
Africa																
Burkina Faso	0.56	0.60	0.63	0.63	372	351	336	336	0.95	0.96	0.97	0.97	0.00	0.00	0.01	0.52
Mali	0.17	0.72	0.69	0.69	396	432	347	347	0.30	1.43	1.10	1.10	0.00	0.00	-0.33	-23.08
Cote d'Ivoire	0.45	0.47	0.46	0.46	494	486	393	393	1.01	1.05	0.83	0.83	0.00	0.00	-0.22	-20.95
Benin	0.62	0.64	0.62	0.62	513	483	492	492	1.45	1.42	1.40	1.40	0.00	0.00	-0.02	-1.41
Egypt	0.07	0.09	0.13	0.13	720	717	703	703	0.22	0.28	0.42	0.42	0.00	0.00	0.14	50.00
Cameroon	0.23	0.23	0.24	0.24	658	606	590	590	0.68	0.64	0.65	0.65	0.00	0.00	0.01	1.56
Tanzania	0.17	0.24	0.35	0.35	284	231	218	218	0.22	0.26	0.35	0.35	0.00	0.00	0.10	37.25
Nigeria	0.27	0.27	0.27	0.27	282	282	282	282	0.35	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Zimbabwe	0.24	0.25	0.24	0.24	222	191	195	195	0.25	0.22	0.22	0.22	0.00	0.00	0.00	0.00
Ethiopia	0.08	0.08	0.08	0.08	637	637	637	637	0.24	0.24	0.24	0.24	0.00	0.00	0.00	0.00
Former Soviet Union - 12																
Uzbekistan	1.06	1.06	1.07	1.07	653	555	549	549	3.18	2.70	2.70	2.70	0.00	0.00	0.00	0.00
Turkmenistan	0.55	0.55	0.55	0.55	368	356	356	356	0.92	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Tajikistan	0.16	0.17	0.17	0.17	619	608	615	615	0.46	0.48	0.48	0.48	0.00	0.00	0.01	1.05
Kazakhstan	0.11	0.12	0.13	0.13	534	502	523	523	0.27	0.27	0.30	0.30	0.00	0.00	0.04	13.21
Middle East																
Turkey	0.35	0.45	0.56	0.56	1,804	1,839	1,922	1,922	2.90	3.80	4.90	4.90	0.00	0.00	1.10	28.95
Syria	0.03	0.03	0.03	0.03	1,219	1,132	1,132	1,132	0.14	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Iran	0.10	0.10	0.10	0.10	871	871	871	871	0.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00
Australia	0.28	0.60	0.50	0.50	2,217	2,087	2,177	2,177	2.80	5.75	5.00	5.00	0.00	0.00	-0.75	-13.04
Mexico	0.15	0.15	0.20	0.20	1,532	1,725	1,524	1,524	1.02	1.22	1.40	1.40	0.00	0.00	0.18	14.75
Burma	0.24	0.25	0.25	0.25	635	644	644	644	0.70	0.73	0.73	0.73	0.00	0.00	0.00	0.00
Others	1.73	1.77	1.79	1.79	574	560	541	539	4.55	4.55	4.46	4.44	-0.02	-0.45	-0.11	-2.33

World and Selected Countries and Regions

TABLE 18

The table below presents a record of the January projection and the final Estimate. Using world wheat production as an example, the "root mean square error" means that chances are 2 out of 3 that the current forecast will not be above or below the final estimate by more than 0.7 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 1.1 percent. The average difference between the January projection and the final estimate is 3.0 million tons, ranging from 0.0 million to 8.3 million tons. The January projection has been below the estimate 31 times and above 9 times.

RELIABILITY OF PRODUCTION PROJECTIONS 1/

COMMODITY AND REGION	Root mean square error	90 percent confidence interval	Difference between forecast and final estimate				
			Average	Smallest	Largest	Years	
						Below final	Above final
	Percent		---Million metric tons---				
WHEAT							
World	0.7	1.1	3.0	0.0	8.3	31	9
U.S.	0.2	0.3	0.1	0.0	0.3	18	11
Foreign	0.7	1.3	3.0	0.1	8.3	30	10
COARSE GRAINS 2/							
World	1.3	2.3	11.3	0.0	37.7	29	11
U.S.	0.4	0.7	0.4	0.0	4.6	17	10
Foreign	1.9	3.2	11.2	0.0	37.6	28	12
RICE (Milled)							
World	1.6	2.7	4.8	0.0	13.9	33	6
U.S.	1.6	2.7	0.1	0.0	0.3	13	7
Foreign	1.6	2.8	4.8	0.1	13.9	34	6
SOYBEANS							
World	3.4	5.8	5.3	0.0	22.4	22	18
U.S.	1.4	2.3	0.7	0.0	2.5	18	17
Foreign	5.7	9.7	5.4	0.2	22.6	22	18
COTTON			*---Million 480-lb. bales---*				
World	2.6	4.4	2.0	0.0	5.4	25	14
U.S.	1.1	1.8	0.1	0.0	0.3	14	25
Foreign	3.1	5.3	2.0	0.0	5.7	27	12
UNITED STATES			*-------Million bushels-------*				
CORN	0.4	0.7	14	0	148	4	5
SORGHUM	1.0	1.7	2	0	53	1	3
BARLEY	1.0	1.6	2	0	11	19	4
OATS	0.4	0.7	0	0	2	5	4

1/ 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 2020/21, and for 2021/22 the last month's estimate.

2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain

January 2023 Global Market Analysis, FAS, USDA