



United States  
Department of  
Agriculture

Foreign  
Agricultural  
Service

Circular Series  
WAP 8-22  
August 2022

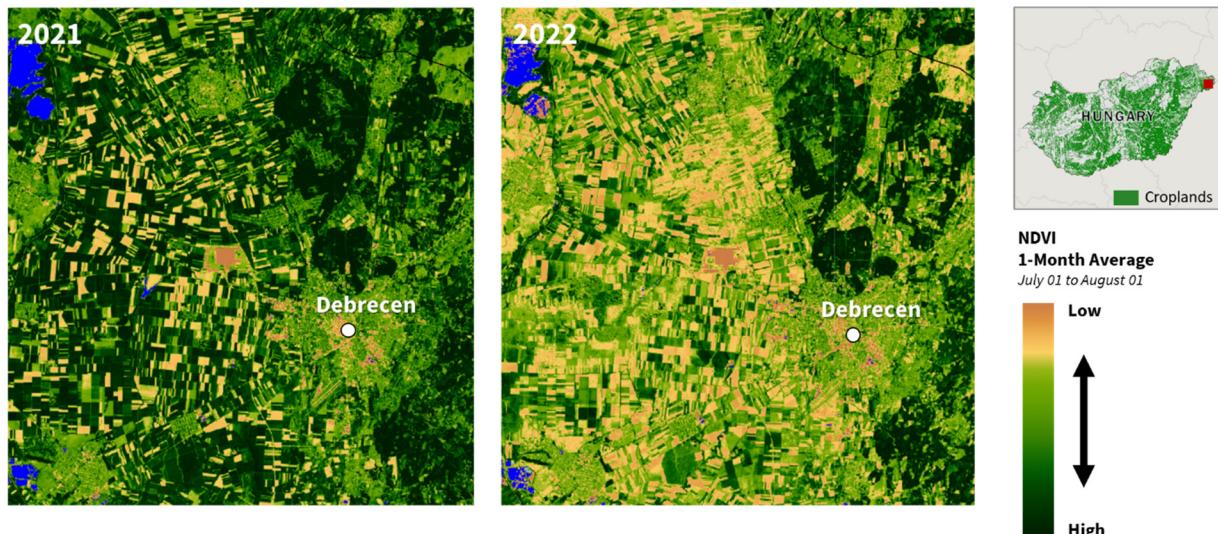
# World Agricultural Production

## European Union Corn: Extreme High Temperatures and Drought Reduces Crop

European Union (EU) (MY) 2022/23 corn production is forecast at 60.0 million metric tons (mmt), down 12 percent from last month, 15 percent below last year's crop, and 10 percent below the 5-year average. Area is estimated at 9.0 million hectares (mha), down 1 percent from last month and 3 percent from last year, but 3 percent above the 5-year average of 8.8 mha. Yield is estimated at 6.67 tons per hectare, down 11 percent from last month, 13 percent from last year, and 12 percent from the 5-year average.

### Hajdú-Bihar, Hungary: NDVI

Summer Crops: Corn and sunflower production fields  
July 01 to August 01, 2021 vs. 2022



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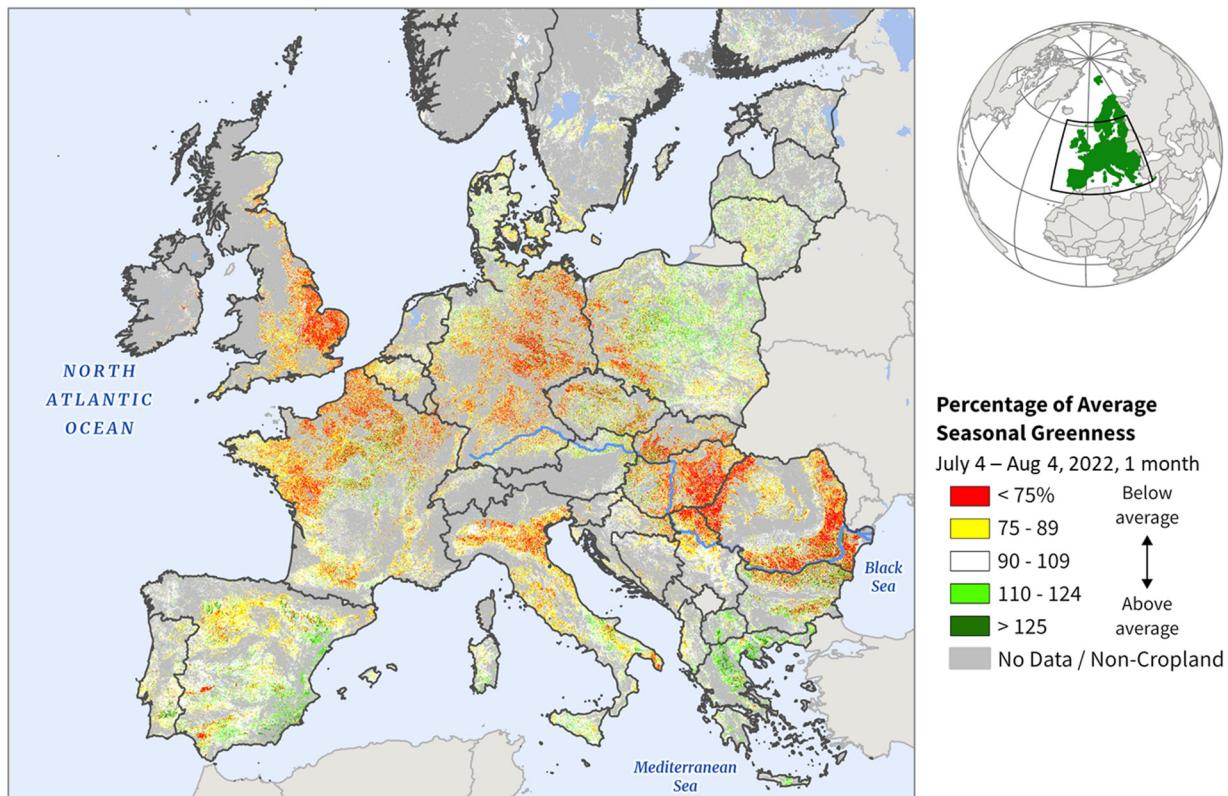
Sources: ESA Sentinel-2; Google Earth Engine; ESA 2020 WorldCover Crop Mask

Searing heat and widespread drought during pollination and tasseling has significantly diminished the EU's corn crop. The major producing areas in Europe are in the south – Spain, Southern France, Italy, and the Balkans – where conditions have been highly unfavorable. These areas have been under continuous pressure from drought and extreme heat, particularly during the vegetatively sensitive mid-season period.

Approved by the World Agricultural Outlook Board

High temperatures during this period can lead to aborted kernels, while low precipitation and soil moisture results in small grain weight. Rainfall has been well below normal in these southern regions for several months. In western areas such as Spain and France, the corn crop is two to three weeks ahead of normal due to the heat. In areas of Italy, Spain, and France where corn is normally irrigated, there are water restrictions. Various measures of vegetation health show extensive deterioration in the corn regions. The Percent of Average Seasonal Greenness (PASG) map vividly depicts summer crop area (corn and sunflowers) to be far below average during the critical month of July in the major producing areas of Romania, Hungary, Italy, and France.

### Europe: Crop Masked Monthly PASG

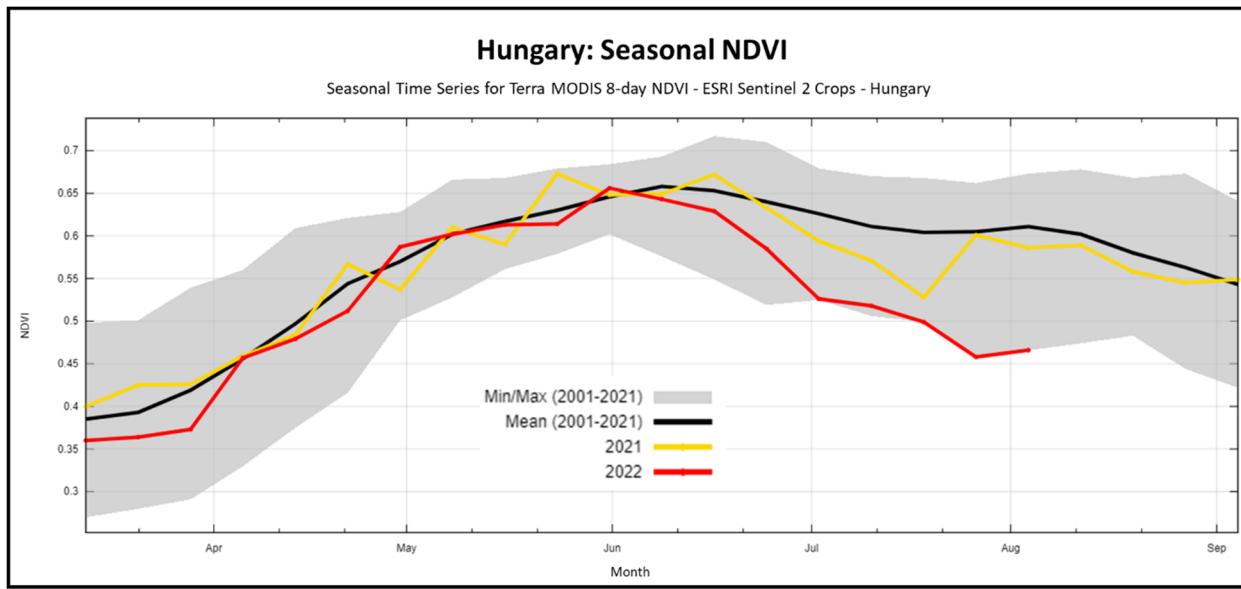


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Source: MODIS - 1-Month 'Percentage of Average Seasonal Greenness - PASG'  
July 04 to August 04, 2022; ESA 2018 Crop Mask

Corn production is reduced in Romania by 3.0 mmt or 23 percent from last month to 10.0 mmt. This is 27 percent below last year and 23 percent below the 5-year average. Dryness intensified nation-wide during July and now covers all of the country's major growing regions. Hungary corn production was reduced 1.5 mmt to 6.2 mmt as dryness devastated Hungary and the plains around it, causing significant damage to the area. European Space Agency satellite imagery depicts 2022 summer conditions in eastern Hungary to be much worse than in 2021. The satellite-derived, Normalized Difference Vegetation Index (NDVI) seasonal chart from the NASA MODIS sensor shows a long decline in 2022 vegetation conditions in Hungary due to unfavorable weather. This is a similar trajectory to other EU corn producers this year. Additionally, France production was reduced by 1.2 mmt, as heat and dryness has limited development, particularly in the concentrated corn region of its southwest. France's corn crop – the EU's largest – is estimated at 12.0 mmt.

Italy's primary agricultural region, centered on the Po River Valley in the north, continues to be devastated by drought and low water levels. Italy's corn crop has been reduced by 0.7 mmt to 4.8 mmt, the lowest since MY 1972/73. Spain's crop has been lowered by 0.6 mmt to 3.5 mmt, due to drought and blistering temperatures, giving Spain its lowest production level since MY 2010/11.

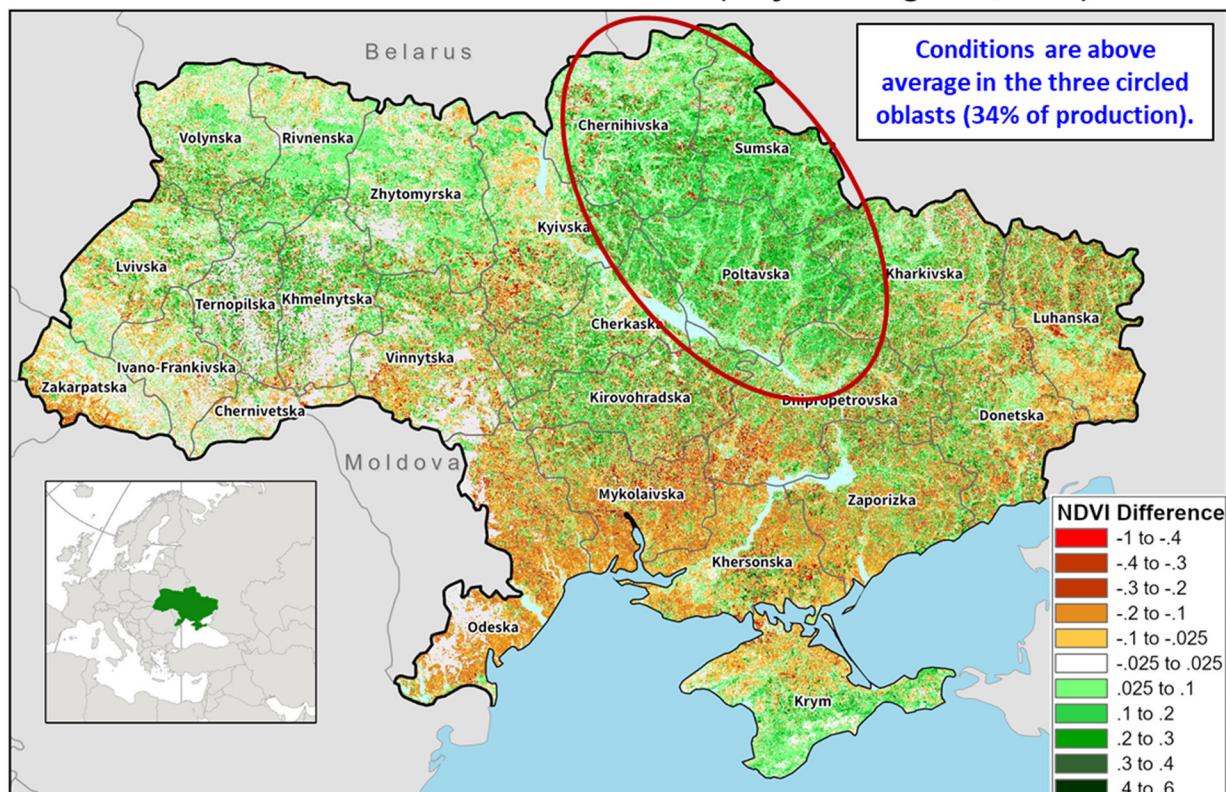


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For country-specific area, yield, and production estimates within the European Union (EU), please go to PSD Online at <https://apps.fas.usda.gov/PSDOnline/app/index.html#/app/home>, and select “Downloadable Data Sets.” Select the zipped file for “EU Countries Area & Production.” (*For more information, please contact [Bryan.Purcell@usda.gov](mailto:Bryan.Purcell@usda.gov).*)

## Ukraine Corn: Favorable Weather Boosts Yield

### UKRAINE: NDVI Difference from Normal (July 28 - August 4, 2022)

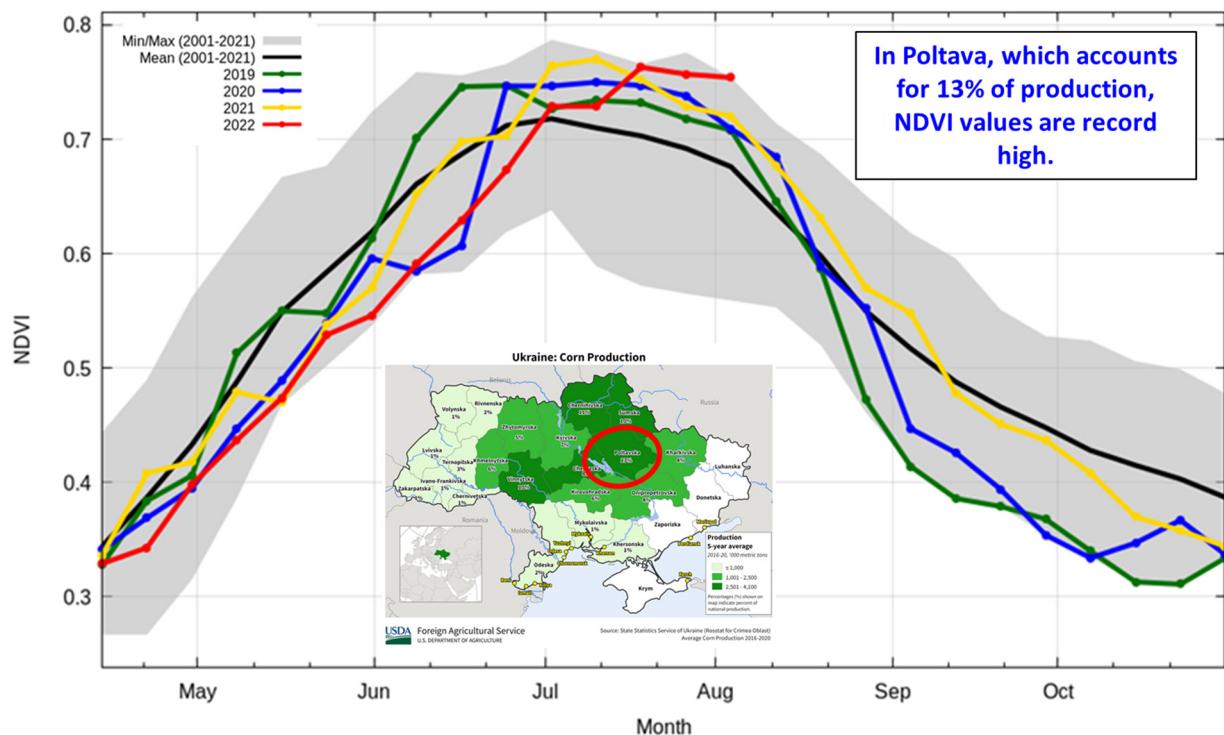


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Source: NASA MODIS imagery  
USDA/NASA Global Agricultural Monitoring (GLAM) project  
<https://glam1.gsfc.nasa.gov/>

Ukraine corn production for marketing year 2022/23 is forecast at 30.0 million metric tons, up 20 percent from last month but down 29 percent from last year. Yield is forecast at 6.67 tons per hectare, up 20 percent from last month, but down 13 percent from last year. Harvested area is forecast at 4.5 million hectares, unchanged from last month, but down 18 percent from last year.

## Crop Performance in the Poltava Oblast, Ukraine



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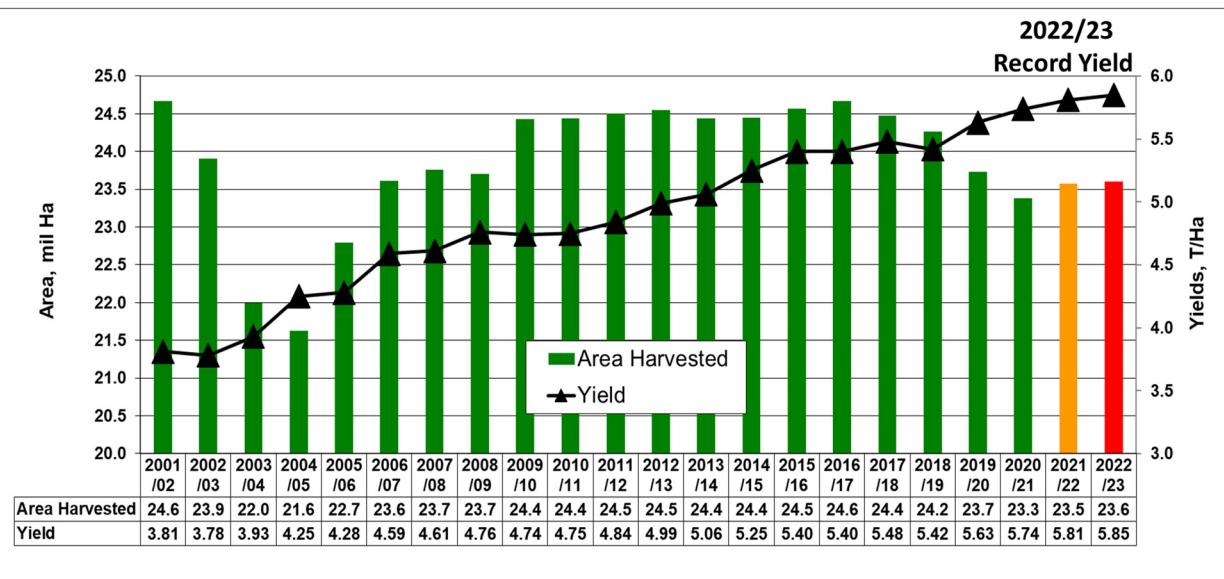
Source: USDA/NASA Global Agriculture Monitoring Project (GLAM)

Yield is up month-to-month due to favorable rainfall and minimal days with heat stress in the key corn growing regions. The favorable weather is reflected in the satellite-derived Normalized Difference Vegetation Index (NDVI) anomaly product, which highlights the above-average conditions, especially for the northern oblasts. NDVI is used as a measure of crop health (a proxy of crop performance) and corresponds well to forecasted yields. Poltava, which is a key corn producer at 13 percent of total, has the highest NDVI value on record for the first week of August. Potential above-average yields in the center of the corn belt are offset by below-average conditions in the western producing oblasts. Harvest begins in early September. USDA crop production estimates for Ukraine include estimated output from Crimea. (*For more information, please contact [Katie.McGaughey@usda.gov](mailto:Katie.McGaughey@usda.gov).*)

### China Wheat: Production Estimate Increased to a Historic Record

China's marketing year (MY) 2022/23 wheat production is estimated at a record 138.0 million metric tons (mmt), up 3.0 million or approximately 2 percent from last month, up approximately 1 percent from last year, and up approximately 3 percent from the 5-year average of 134.1 mmt. Harvested area is estimated at 23.6 mha, up 200,000 ha or approximately 1 percent from last month, and slightly higher than last year's 23.6 mha. Yield is estimated at a record 5.85 metric tons per hectare (mt/ha), up 1 percent from last month and last year.

## China Wheat Area and Yield Time Series

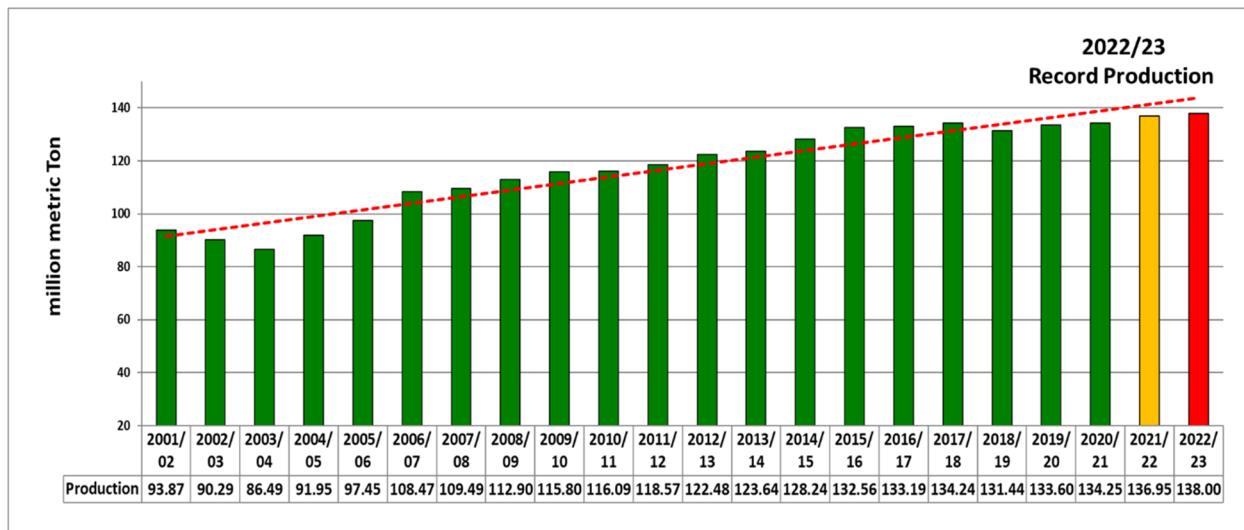


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Source: USDA PSD Online

The MY 2022/23 season crop was harvested from mid-May through the end of June. Overall, the soil moisture conditions during planting, in September and October, were wetter-than-normal. Flooding in some locations across the major wheat growing regions resulted in delayed planting. By some estimates, about a third of the wheat area experienced delayed planting and slowed early growth and development. However, as the season progressed, favorable weather and soil moisture conditions prevailed across the major wheat regions, including Henan, Hebei, Shandong, Anhui, and Jiangsu provinces. Specifically, good weather and soil moisture conditions at the back end of the season in April and May ensured favorable grain filling and maturity. The mid-to-late season satellite assessment using Landsat and Sentinel imagery indicated significant improvement during critical productivity determining stages of heading, flowering, and grain filling.

## China Wheat Production PSD Time Series



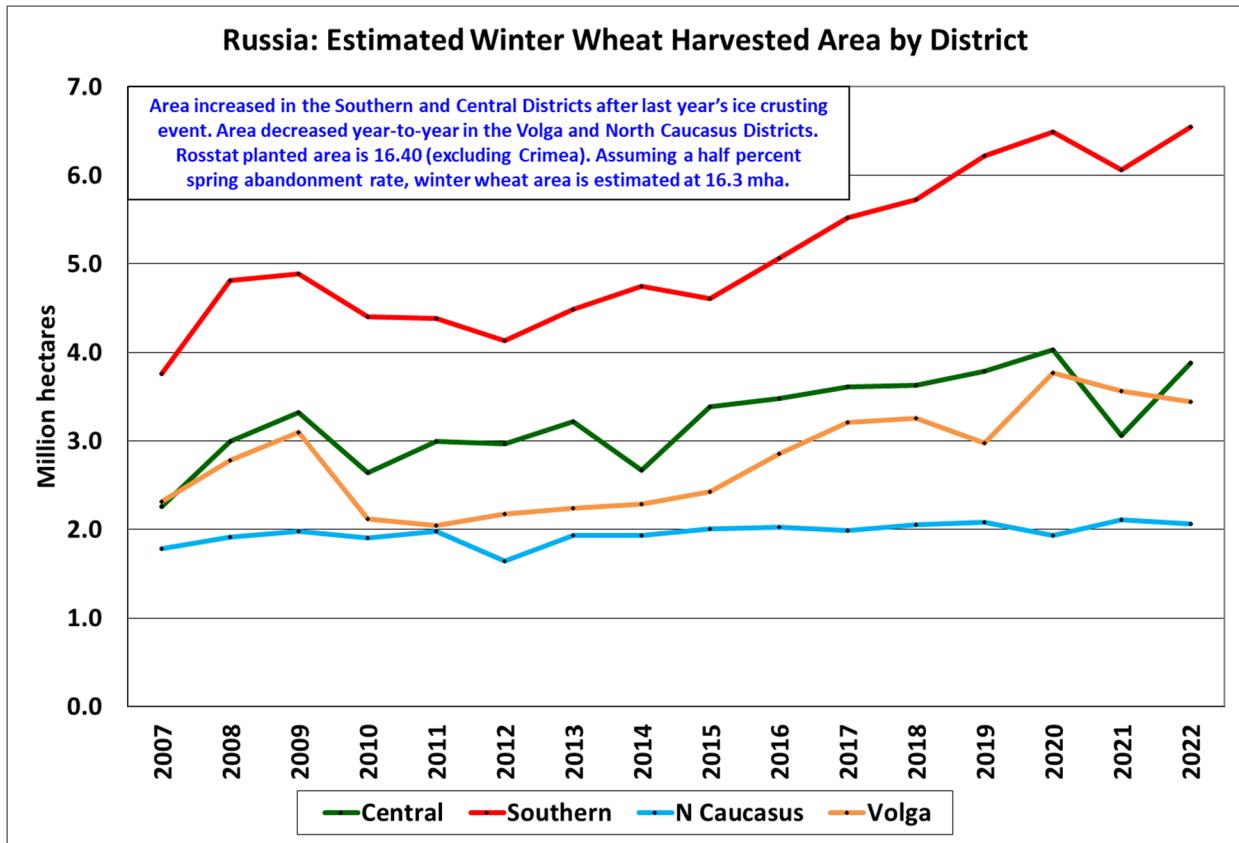
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Source: USDA PSD Online

According to FAS/Beijing, this year's crop productivity was favorable but more likely to have overall poor grain quality, specifically low protein, broken kernels, and higher toxin rates due to localized rainfall during late stages of advanced maturity and harvest. (*For more information, please contact [Dath.Mita@usda.gov](mailto:Dath.Mita@usda.gov).*)

## Russia Wheat: Total Production Up 8 Percent from Last Month

Russia wheat production for marketing year 2022/23 is forecast at a record 88.0 million metric tons (mmt), up 8 percent from last month and 17 percent from last year. The forecast includes 65.0 mmt of winter wheat and 23.0 mmt of spring wheat. USDA crop production forecasts for Russia exclude estimated output from Crimea. Total wheat yield is forecast at 3.07 tons per hectare, up 5 percent from last month, and 13 percent from last year. Total harvested area is forecast at a record 28.7 million hectares, up 3 percent from last month and 4 percent from last year. Winter and spring wheat harvested area were revised based on updated planted area data published by Rosstat, Russia's statistics agency.

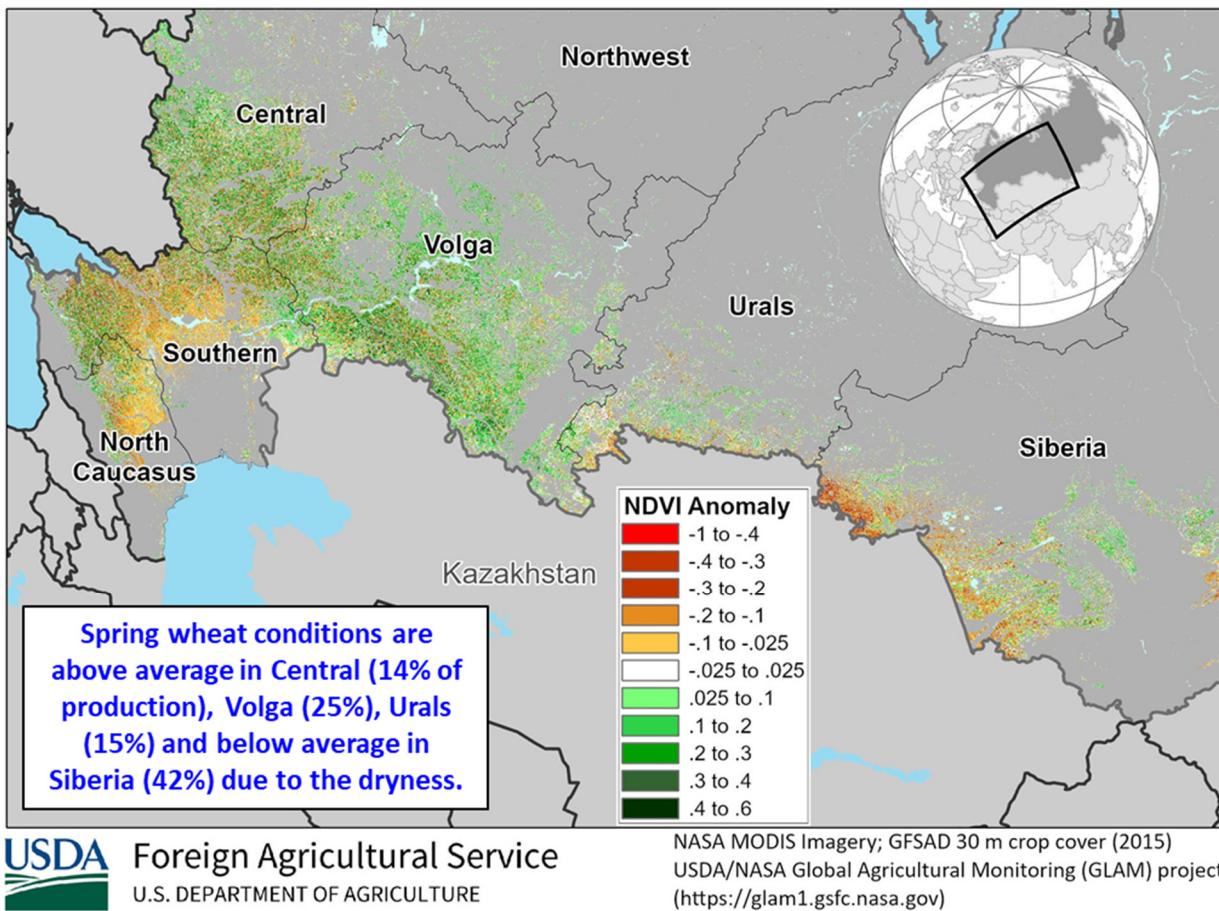


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Sources: Rosstat (2007-2021), FAS forecast (2022)

Winter wheat harvest is ongoing. Krasnodar, in the Southern District, is one of the highest winter wheat yielding oblasts in Russia and typically accounts for about 18 percent of total winter wheat production. According to the Russian Ministry of Agriculture, winter wheat harvest in Krasnodar is 78 percent complete as of late July and reported yield is at a record high.

## Russia: NDVI Anomaly (July 28 - August 4, 2022)



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Total spring wheat yield was revised up relative to last month, based on favorable conditions in the Central, Volga, and Urals Districts. Conditions in the Siberian District (42 percent of production) are slightly below average due to below normal rainfall throughout July, but this is not enough to offset the above-average conditions in the rest of the country. Harvest of spring wheat will begin in late August.

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 [Katie.McGaughey@usda.gov](mailto:Katie.McGaughey@usda.gov).)

### Canada Wheat: Production Revised Higher; Up 62 Percent over Last Year

USDA estimates Canada wheat production for marketing year (MY) 2022/23 at 35.0 million metric tons (mmt), up 1.0 mmt or 3 percent from last month, 62 percent above last year and 15 percent above the 5-year average. Harvested area is estimated at 10.0 million hectares, unchanged from last month, but up 8 percent from last year, and 5 percent above the 5-year average. Yield is estimated at 3.50 metric tons per hectare (t/ha), up 3 percent from last month and 49 percent above last year.

## Spring Wheat near Lanigan, SK



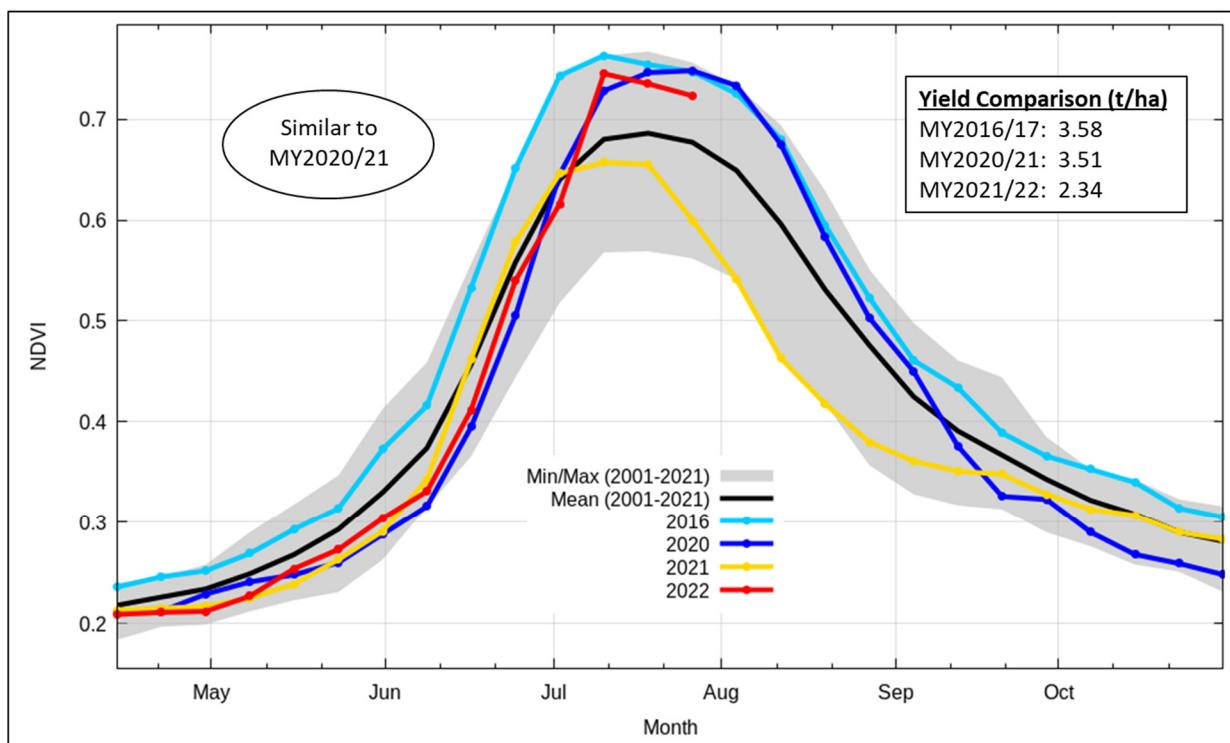
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Photo taken on July 26, 2022, courtesy of  
Aaron Mulhollen, FAS

FAS visits to fields in Saskatchewan and Alberta in late July revealed well-established spring and durum wheat crops in good to excellent condition. Discussions with farmers and industry analysts indicated general optimism regarding the crop, despite early season challenges that had delayed both planting and progress in some areas. Spring wheat was observed at early ripening stages, as improved rainfall during June and July in western Saskatchewan and southern Alberta, and warm temperatures had rapidly advanced crops.

## Spring Wheat Cropland NDVI for the Canadian Prairie Provinces

Approximately 70 percent of Canada's total wheat crop



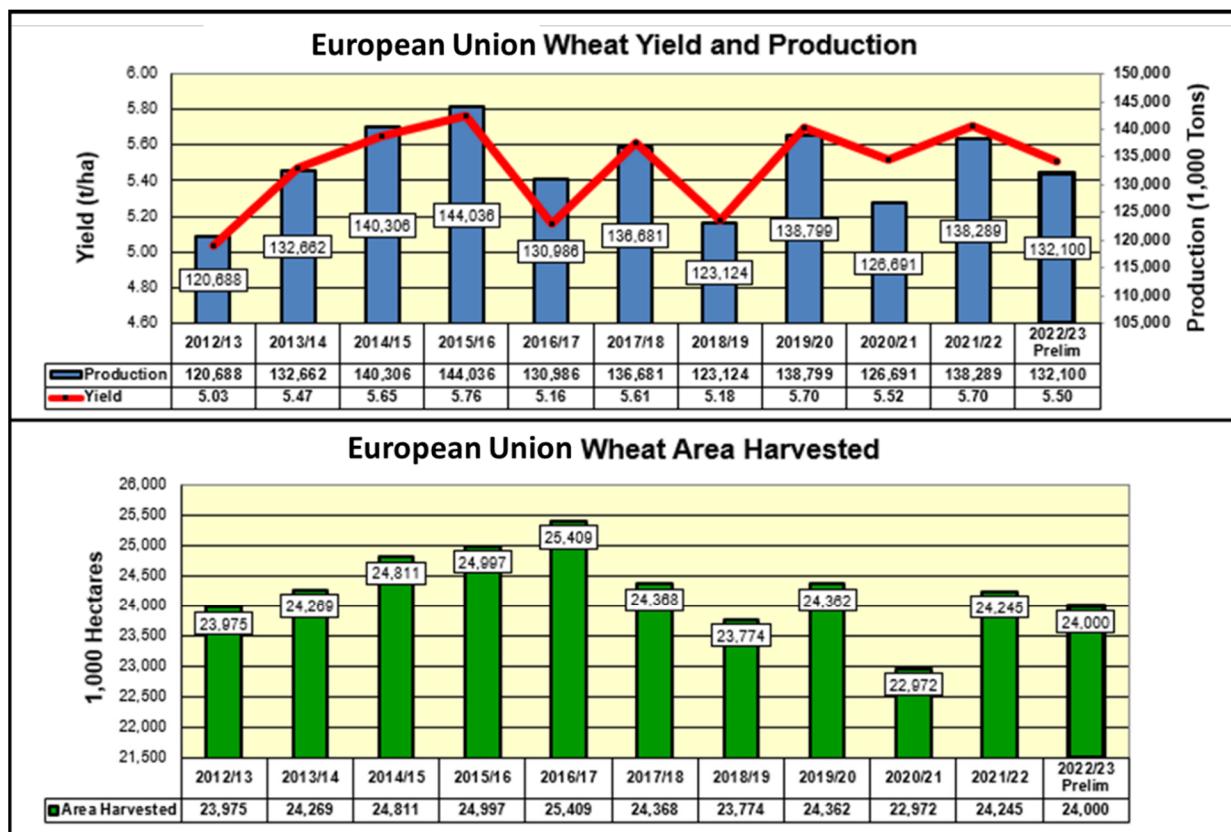
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Sources: USDA NASA Global Agriculture Monitoring Project (GLAM);  
Agriculture and Agri-Food Canada (AAFC); Statistics Canada

The bulk of Canada's wheat crop is spring wheat, accounting for approximately 75 percent of the total wheat crop. It is grown primarily in the Prairie Provinces. In addition to field observations and interviews, satellite-derived Normalized Difference Vegetation Index (NDVI) analysis of spring wheat also indicates rapid advancement and above-average crop conditions similar to those in MY 2020/21, when overall wheat yield rose above 3.50 t/ha. Durum and winter wheat account for 16 and 9 percent of the remainder of Canada's total wheat crop, respectively; provincial reporting suggests above-average yields for those crops are also expected. (*For more information, please contact [Aaron.Mulhollen@usda.gov](mailto:Aaron.Mulhollen@usda.gov).*)

### European Union Wheat: Harvest Results Reveal Further Reductions

Wheat production for marketing year (MY) 2022/23 in the European Union (EU) is estimated at 132.1 million metric tons (mmt), down 1 percent from last month, 4 percent from last year, and marginally below the 5-year average. Harvested area is estimated at 24.0 million hectares (mha), down slightly from last month, 1 percent from last year, but slightly above the 5-year average. Yield is estimated at 5.50 tons per hectare (t/ha), down 1 percent from last month, 3 percent from last year, and 1 percent below the 5-year average of 5.54 t/ha.



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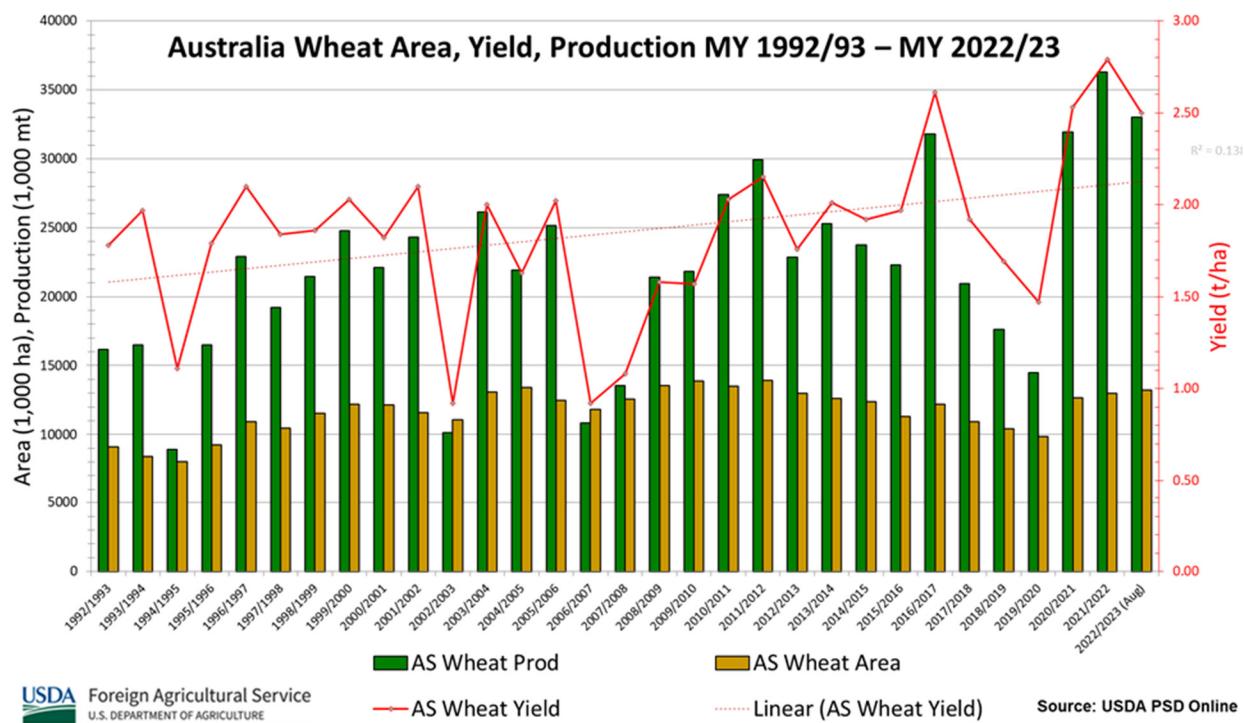
Source: USDA PSD Online

The wheat harvest has finished in most EU countries. Harvest reports indicate drought and high temperatures have taken a toll on the wheat crop. Wheat production was reduced 0.8 mmt in Hungary to 4.0 mmt, 25 percent below last year's crop and the lowest since MY 2012/13. In Spain, wheat was lowered 0.6 mmt to 6.2 mmt due to relentless and record heat and continued dryness. Spain's wheat crop is estimated to be 25 percent below last year's record crop and 11 percent below the 5-year average. Romania's wheat crop was also affected by dryness, with a 0.4 mmt reduction taken, dropping production to 8.9 mmt, 19 percent below last year's record 11.0 mmt total but just above the 8.8 mmt 5-year average.

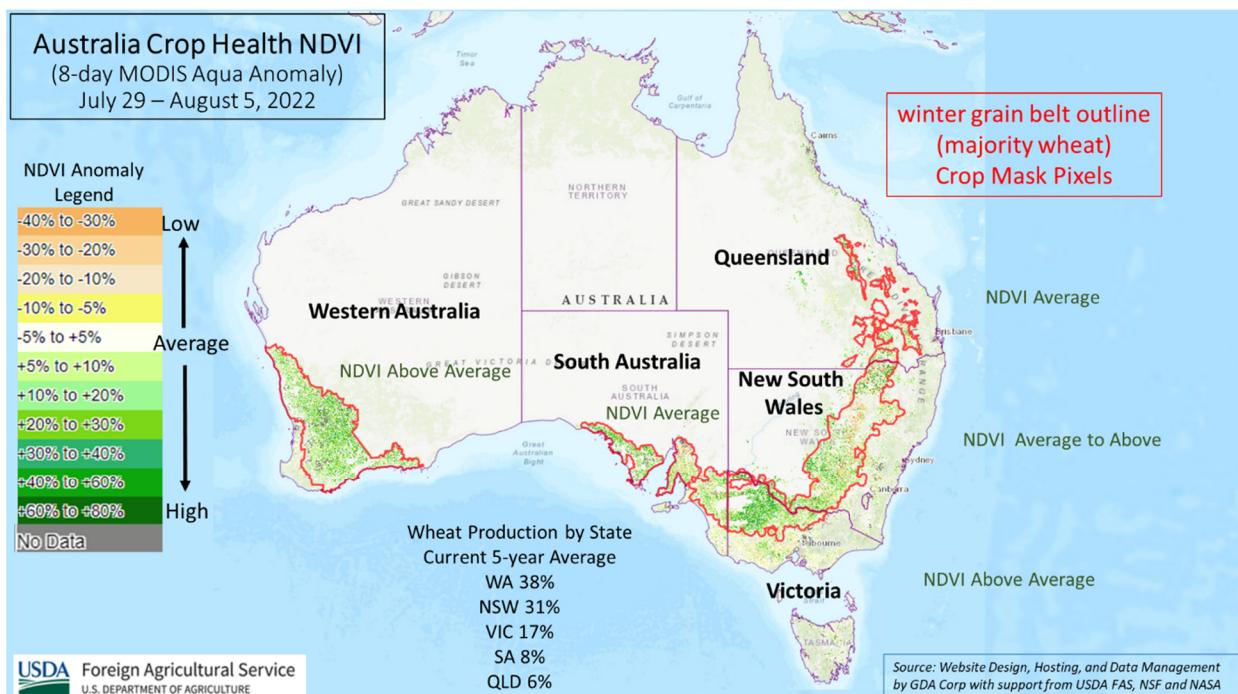
For country-specific area, yield, and production estimates within the European Union (EU), please go to PSD Online at <https://apps.fas.usda.gov/PSDOnline/app/index.html#/app/home>, and select "Downloadable Data Sets." Select the zipped file for "EU Countries Area & Production." (For more information, please contact [Bryan.Purcell@usda.gov](mailto:Bryan.Purcell@usda.gov).)

### Australia Wheat: Production Revised Higher

USDA forecasts Australia marketing year (MY) 2022/23 wheat production at 33.0 million metric tons (mmt), up 3.0 mmt or 10 percent from last month, but down 3.3 mmt or 9 percent from last year's record. Harvested area is estimated at 13.2 million hectares (mha), unchanged from last month, and up 0.2 mha or 2 percent from last year. Yield is forecast at 2.50 tons per hectare (t/ha), up 10 percent from last month, but down 10 percent from last year.



July was drier than normal, but temperatures were cool resulting in low crop moisture requirements at this time of the year (mid-winter). Overall, wheat will enter early flowering around mid-August. Peak flowering is typically early to mid-September. At present, root zone soil moisture is average to above-average for the major growing regions.

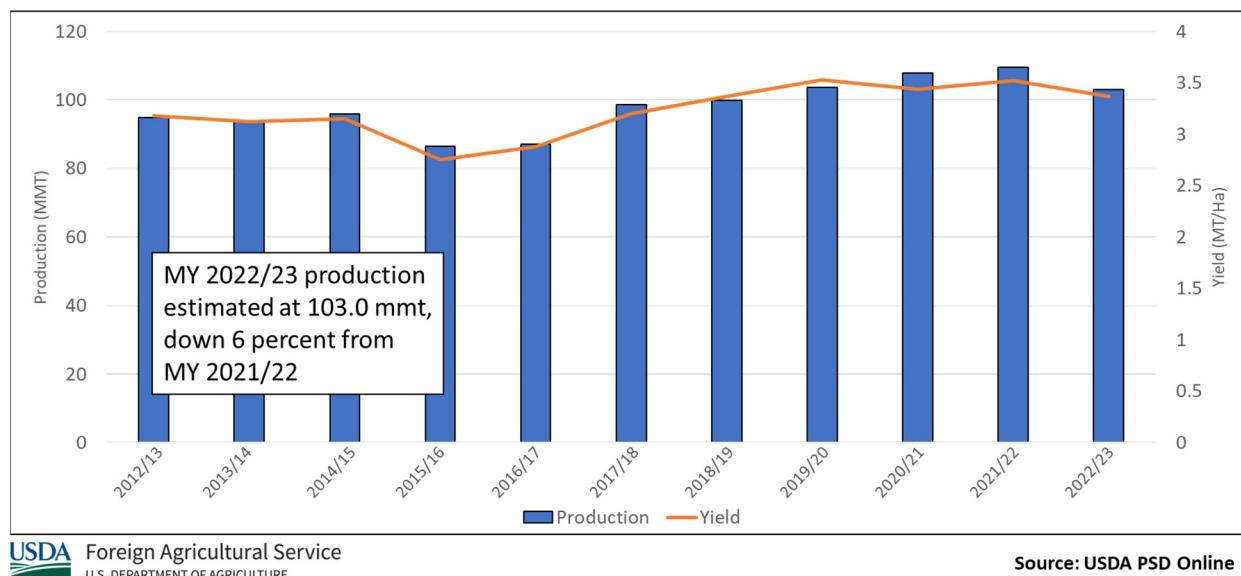


The recent satellite-derived Normalized Difference Vegetation Index (NDVI) depicts above-average crop vigor, especially in the wheat belt of Western Australia, Victoria, and southern New South Wales. (*For more information, please contact [James.Crutchfield@usda.gov](mailto:James.Crutchfield@usda.gov).*)

## India Wheat: Production Revised Down

USDA estimates marketing year (MY) 2022/23 wheat production at 103.0 million metric tons, down 3 percent from last month and 6 percent from last year's record. The decrease is based on adverse weather and a significant decline in year-to-year procurement. Harvested area is revised at 30.5 million hectares, down 1 percent last month and down 2 percent from last year, based on the Ministry of Agriculture third advance estimates. Yield is estimated to reach 3.37 metric tons per hectare, down 4 percent from last year. The 4 percent decline is based on adverse heat which impacted the crop at the critical grain-fill stage.

India Wheat Production and Yield

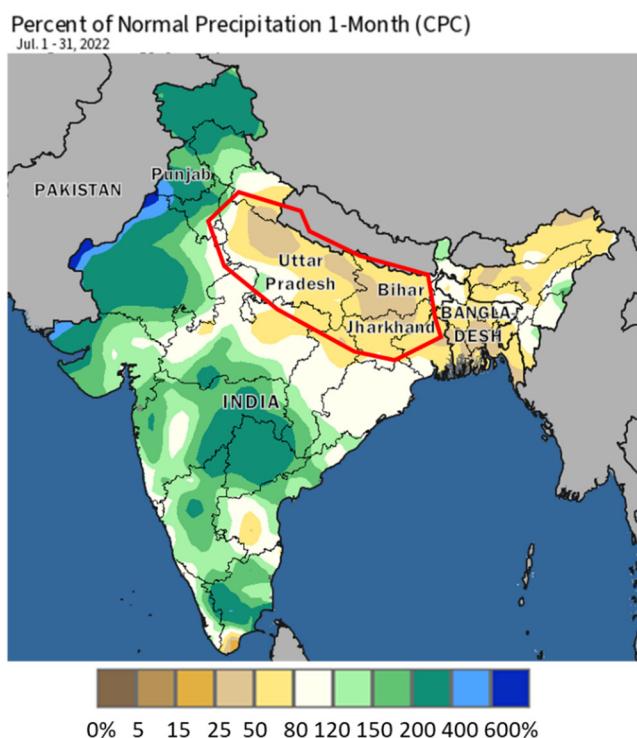


Wheat is grown only in the *rabi* season. It is planted from early November until January and harvested from late February until April. (*For more information, please contact [Arnella.Trent@usda.gov](mailto:Arnella.Trent@usda.gov).*)

## India Rice: Dry Conditions in the Northeast Impact Planting

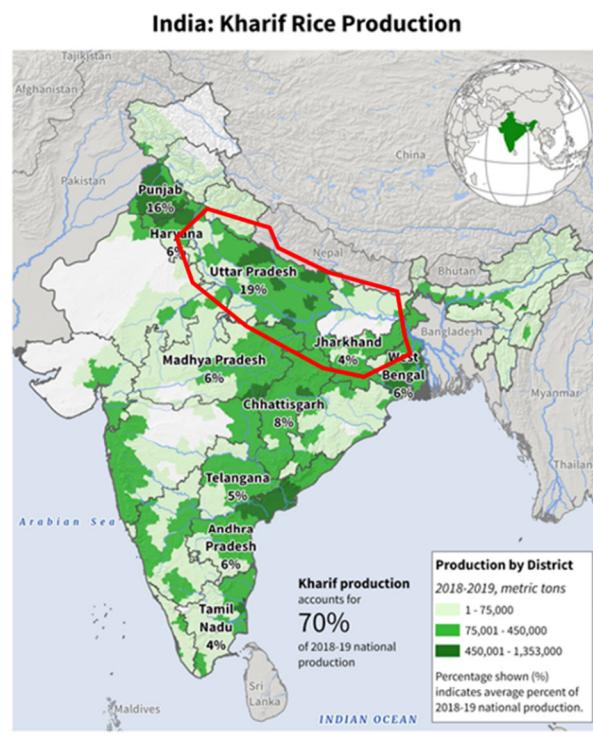
USDA estimates India rice production for marketing year (MY) 2022/23 at 128.5 million metric tons (milled), down 1.5 percent from last month and down nearly 1 percent from MY 2021/22. This decline will mark the first time India's rice production has not had a year-to-year increase since MY 2015/16. The 2022 Southwest monsoonal rains have not been as abundant in northeast India as they have been in the rest of the country. Harvested area is estimated at 46.0 million hectares, down 2 percent from last month and last year. Yield is estimated at 4.19 metric tons per hectare, up 1 percent from last month and last year.

## Lack of Rains in the Northeast Impact Rice Planting



Source: NOAA Climate Prediction Center

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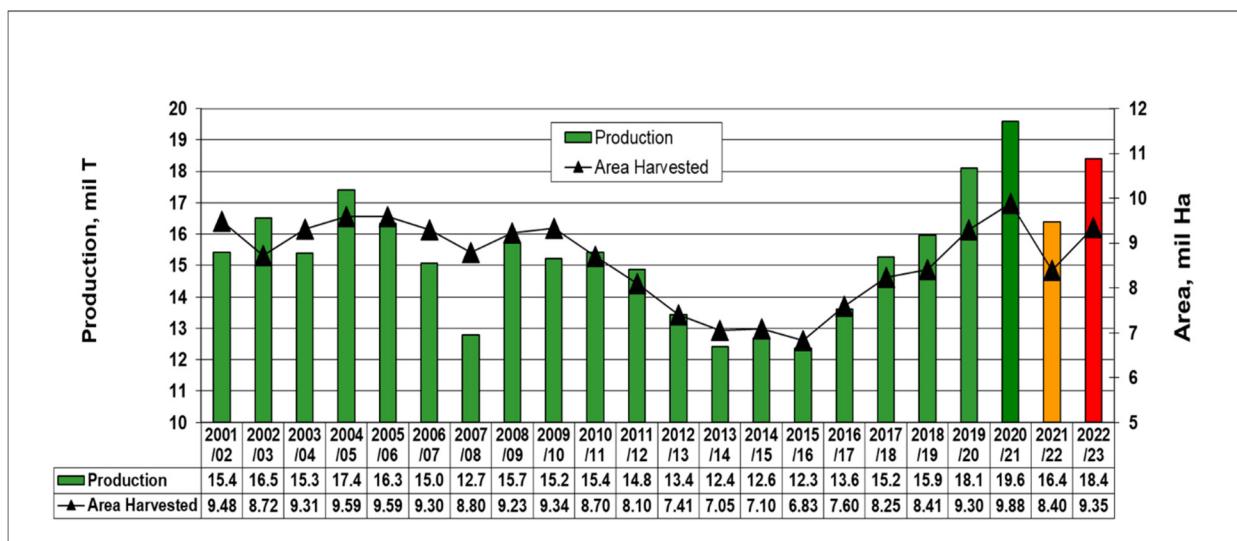
Source: India Ministry of Agriculture,  
Directorate of Economics and Statistics,  
Market Year 2018/19 data by districts

The 2022 Southwest monsoon arrived on time. Monsoonal rains have covered the entire country except the Northeast region. The Northeast rice planting, which accounts for 30 percent of total *kharif* planting, is down. Area declines were observed in Uttar Pradesh, Bihar, and Jharkhand.

*Kharif* rice, which is approximately 70 percent of total rice production, will be harvested in early November. *Rabi* rice, which accounts for 30 percent of total rice production, will be planted from November to January and will be harvested in late April. (*For more information, please contact [Arnella.Trent@usda.gov](mailto:Arnella.Trent@usda.gov).*)

## China Soybeans: Production Revised 12 Percent Above Last Year

**China Soybean Area and Production Time Series**

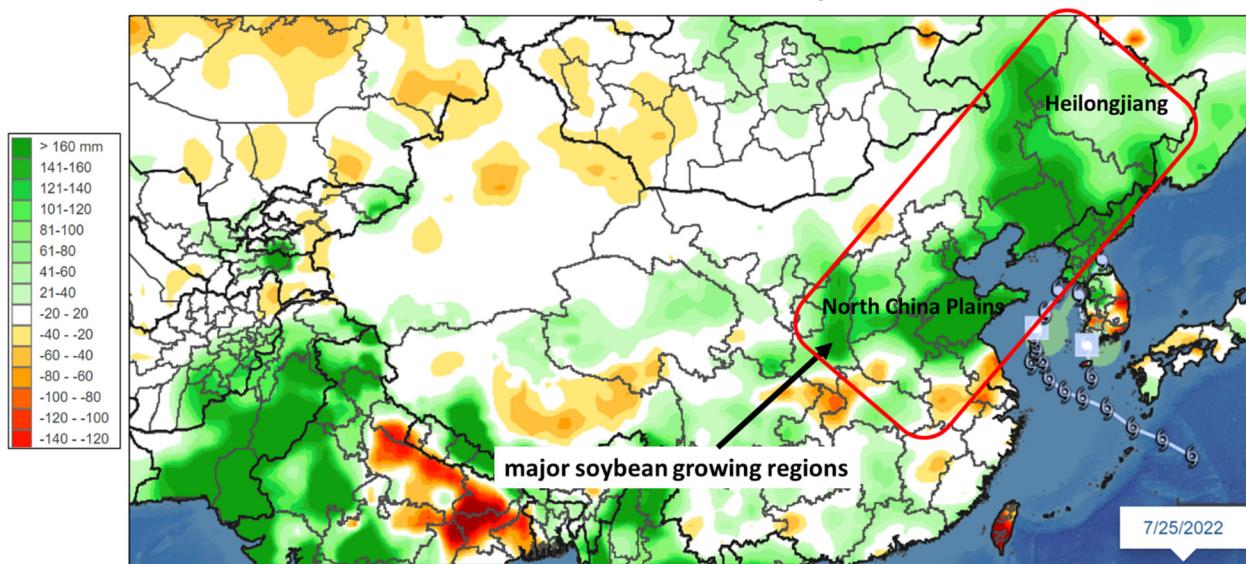


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Source: USDA PSD Online

China's marketing year (MY) 2022/23 soybean production is forecast at 18.4 million metric tons (mmt), up 5 percent from last month, 12 percent from last year, and 8 percent from the 5-year average of approximately 17.1 mmt. Area is estimated at 9.4 million hectares, up 5 percent from last month and 11 percent from last year. The yield is forecast at 1.97 metric tons per hectare (mt/ha), unchanged from last month, but up 1 percent from last year and 2 percent from the 5-year average of 1.93 mt/ha.

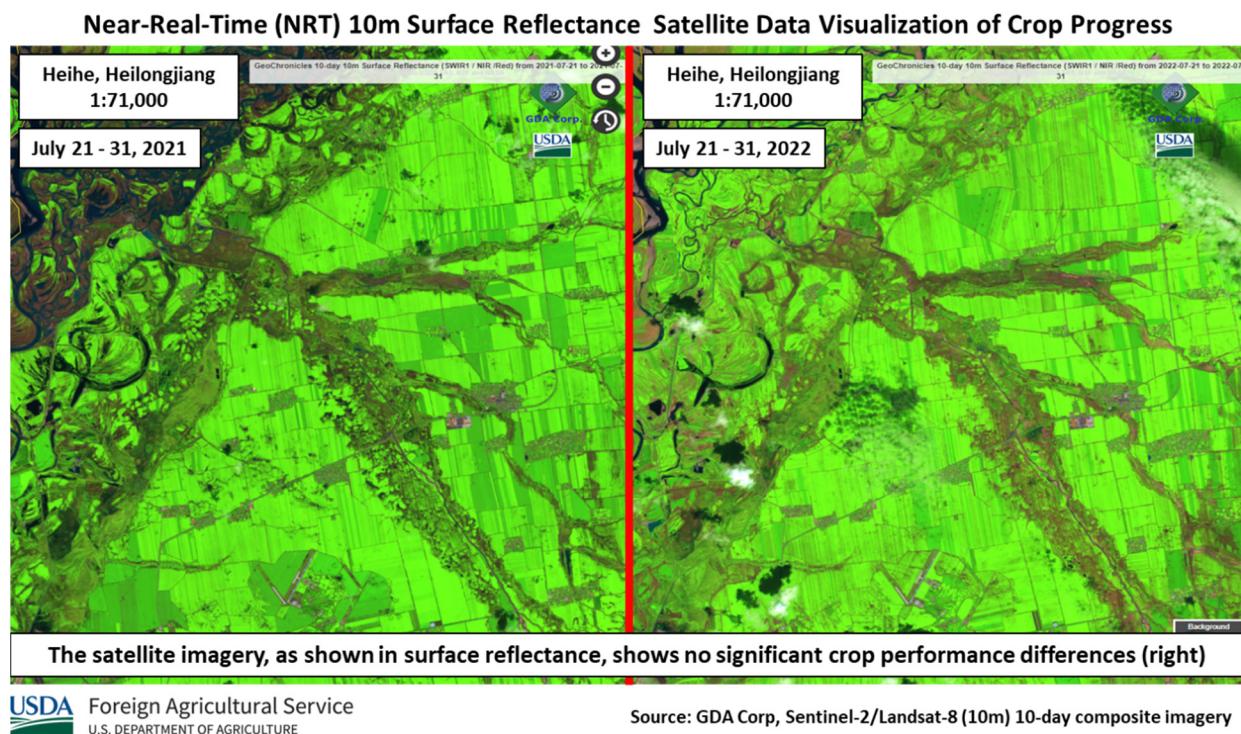
**China Soil Moisture Conditions for July 2022**



USDA Foreign Agricultural Service  
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Source: NOAA Climate Prediction Center

The MY 2022/23 growing season started and has continued to progress well with favorable weather conditions at the peak of 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 in mid-season of growth, in the advanced development and reproductive stages. The crop performance, as indicated by satellite observations, shows similar crop conditions to last year despite anomalously high temperatures in some localized regions during June and July both in the North China Plains and in the Northeast provinces. Adequate-to-abundant soil moisture conditions in June and July across the major soybean growing regions significantly helped to offset the impact of relatively high temperatures, ensuring optimistic crop productivity projections.

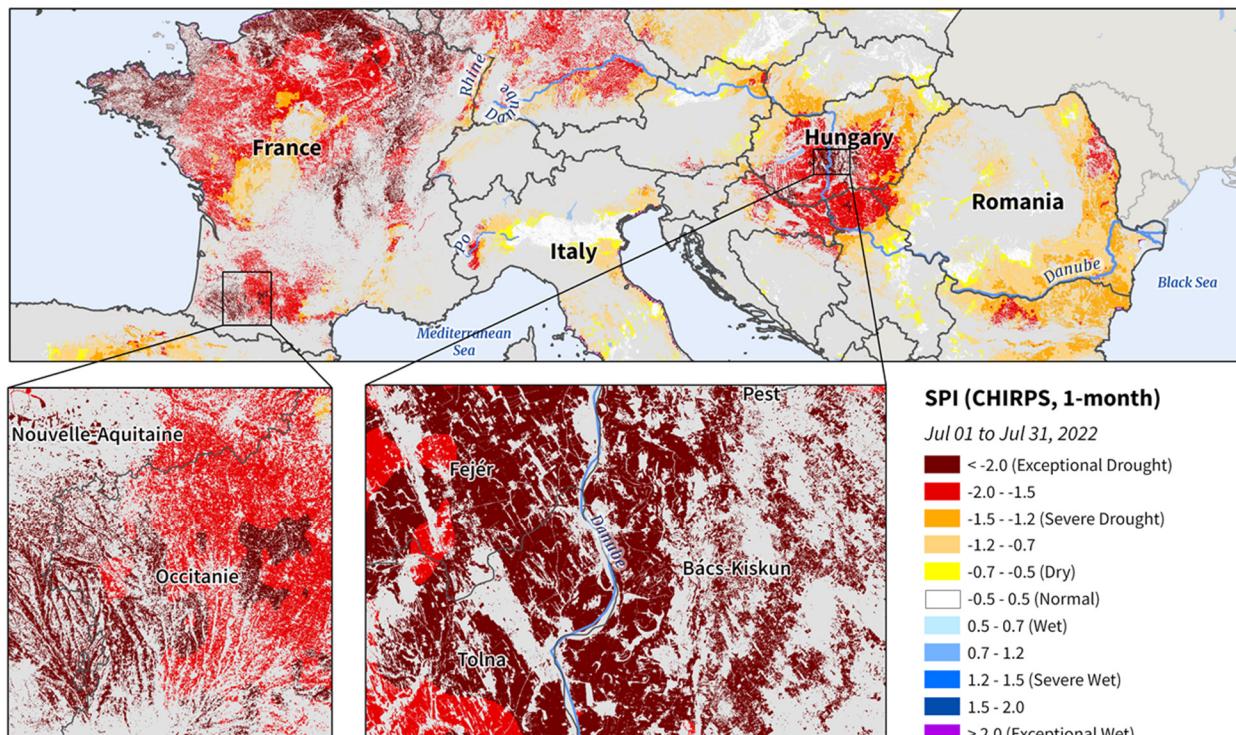


In the recent 5 years, beginning in MY 2016/17, there has been a significant increase in soybean planted area primarily due to changes in government agricultural policies. The policies are aimed at reducing China's dependency on soybean imports to meet domestic demand for meal and oil. Farmers have positively responded 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 soybean. 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 Plains. (*For more information, please contact [Dath.Mita@usda.gov](mailto:Dath.Mita@usda.gov).*)

## European Union Sunflowerseed: Heat, Dryness Lower Yields

European Union (EU) sunflowerseed production for marketing year (MY) 2022/23 is estimated at 9.7 million metric tons (mmt), down 8 percent from last month, 6 percent below last year, but equivalent to the 5-year average. Harvested area is estimated at 4.7 million hectares (mha), up 4 percent from last month, 8 percent from last year, and 9 percent above the 5-year average. Yield is estimated at 2.06 tons per hectare (t/ha), down 11 percent from last month, 13 percent from last year, and 8 percent below the 5-year average.

### Europe: Standardized Precipitation Index (SPI)

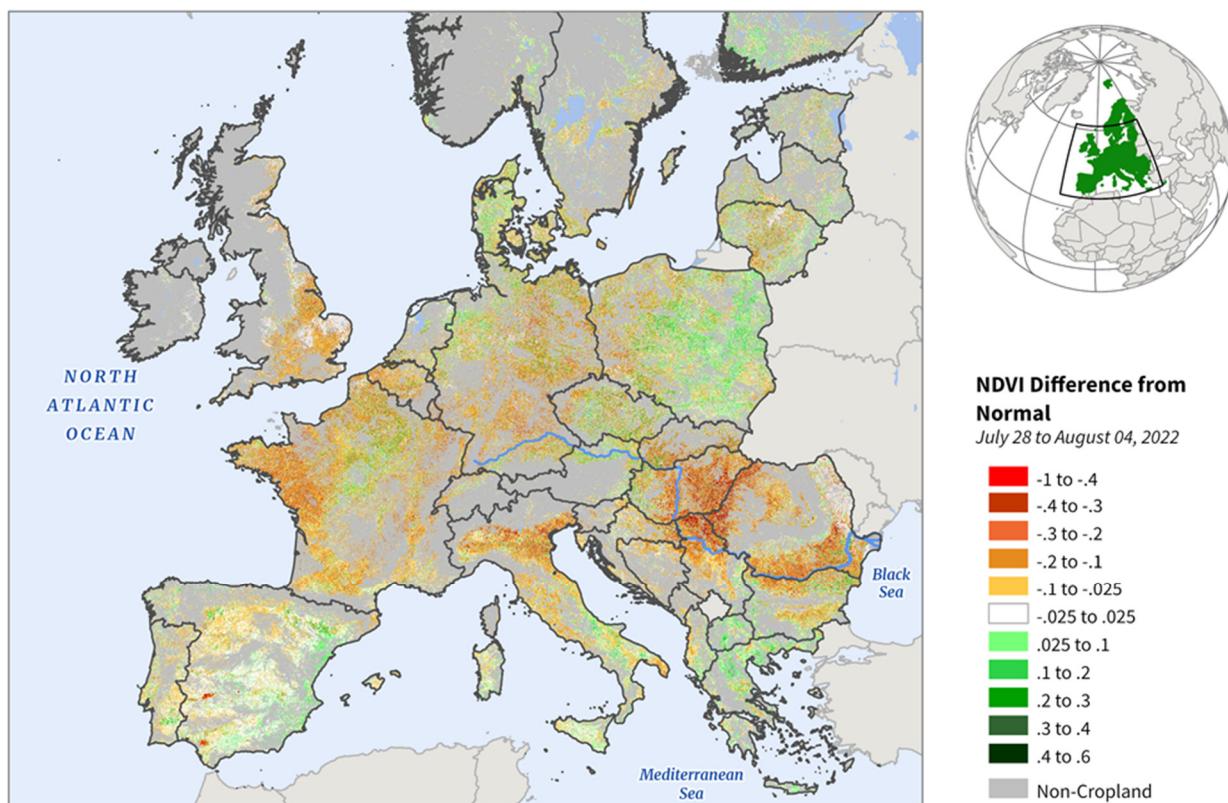


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Sources: Climate Hazards Group InfraRed Precipitation with Station data (CHIRPS)  
Standardized Precipitation Index (SPI) July 01 to July 31, 2022; ESA 2018 WorldView Crop Mask

Sunflowerseed production in the EU has been lowered due to dryness, primarily in Hungary, Romania, and France. While typically drought and heat tolerant, sunflowers are particularly susceptible to stress during high temperatures periods at flowering. High temperatures were prominent across southern and central Europe when the crop was in peak flowering during July. The combination of high temperatures and low soil moisture reduced yields. The satellite-derived Normalized Difference Vegetation Index (NDVI) anomaly map with relevant crop mask shows extensive areas of poor vegetation vigor depicted in red across much of the summer crop areas (sunflower and corn).

## Europe: Crop-Masked NDVI Anomalies



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Source: MODIS - 8-Days 'NDVI Difference from Normal'  
July 28 to August 04, 2022; ESA 2018 Crop Mask

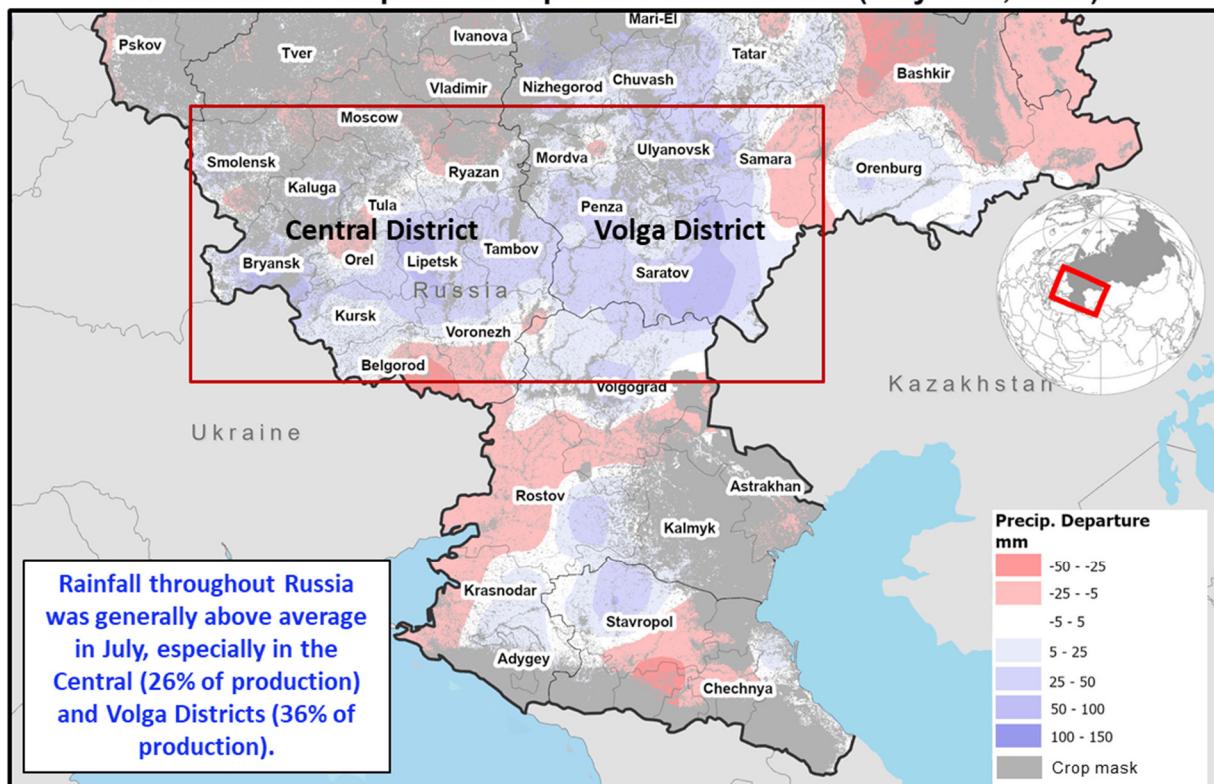
Sunflower production in Hungary was reduced 0.4 mmt to 1.5 mmt, a 20 percent change from last month and a 13 percent change from last year. Sunflower production in Romania was lowered 0.3 mmt to 2.7 mmt, 9 percent below last month and 3 percent below last year's crop. Additionally, France's sunflower production, also hit by high temperatures and drought, was lowered to 1.6 mmt, 8 percent below last month, and 21 percent below last year. The heat in France has pushed the crop forward by two weeks ahead of normal development.

For country-specific area, yield, and production estimates within the European Union (EU), please go to PSD Online at <https://apps.fas.usda.gov/PSDOnline/app/index.html#/app/home>, and select "Downloadable Data Sets." Select the zipped file for "EU Countries Area & Production." (*For more information, please contact [Bryan.Purcell@usda.gov](mailto:Bryan.Purcell@usda.gov).*)

### Russia Sunflowerseed: Production Up Based on Higher Planted Area and Favorable Weather

Russia sunflowerseed production for marketing year 2022/23 is forecast at 17.0 million metric tons, up 10 percent from last month, and up 9 percent from last year. Yield is forecast at 1.75 tons per hectare, up 4 percent from last month and up 8 percent from last year. Harvested area is forecast at 9.7 million hectares, up 5 percent from last month, and up 1 percent from last year.

## European Russia Cumulative Precipitation Departure from Normal (July 1-28, 2022)



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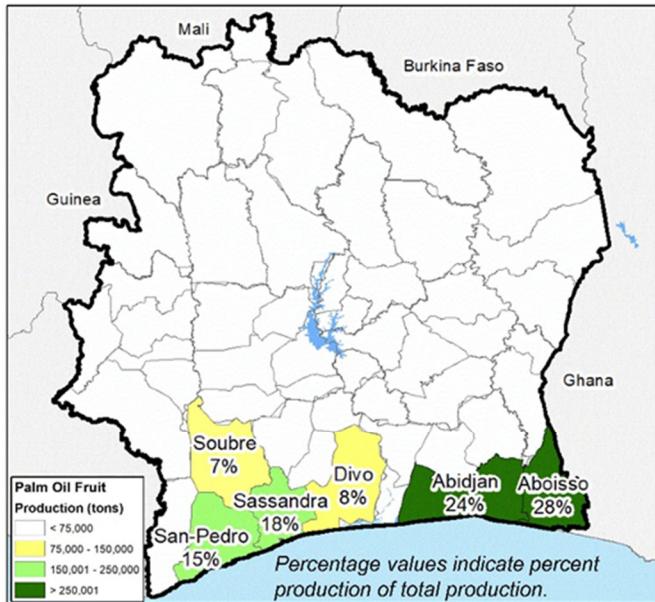
Source: NOAA Climate Prediction Center,  
GFSAD 30 m crop mask (2015)

The month-to-month increase in area is based on an updated planted area report from Russia's statistics agency, Rosstat. USDA publishes harvested area (the difference between planted and harvested area), and a normal level of abandonment is assumed. Yield is also up month-to-month. This increase is due to favorable weather, especially in the Central District, which accounts for 26 percent of production, and the Volga District, which accounts for 36 percent of production. USDA crop production estimates for Russia exclude estimated output from Crimea. (*For more information, please contact [Katie.McGaughey@usda.gov](mailto:Katie.McGaughey@usda.gov).*)

### Côte d'Ivoire Palm Oil: Production Increases from Improved Seed Varieties and Agronomic Management

Côte d'Ivoire palm oil production for marketing year 2022/23 is forecast at a record 600,000 metric tons, up 85,000 tons (17 percent) from last month and up 25,000 tons (4 percent) from last year. Area is forecast at a record 300,000 hectares, down 55,000 hectares (15 percent) from last month and unchanged from last year. Yield is forecast at 2.0 metric tons per hectare, up 38 percent from last month, up 4 percent from last year, and up 10 percent from the 5-year average. Palm oil yields and production continue to increase from large-scale plantings of high-yielding varieties, improved agronomic management, and improved crop extension activities promoted by 32 small landholder cooperatives.

### Côte d'Ivoire: Palm Oil Production



USDA Foreign Agricultural Service  
U.S. DEPARTMENT OF AGRICULTURE

Source: Percent production data from Ministère de l'agriculture et des ressources animales, annuaire 2002 des statistiques agricoles.

Palm oil tree seedling nursery located at the *Centre National de Recherche Agronomique (CNRA)*, La Mé, Côte d'Ivoire.



Source: FAS photo was taken on July 19, 2022, at La Mé palm oil research station which was created in 1922 on 2740 hectares.

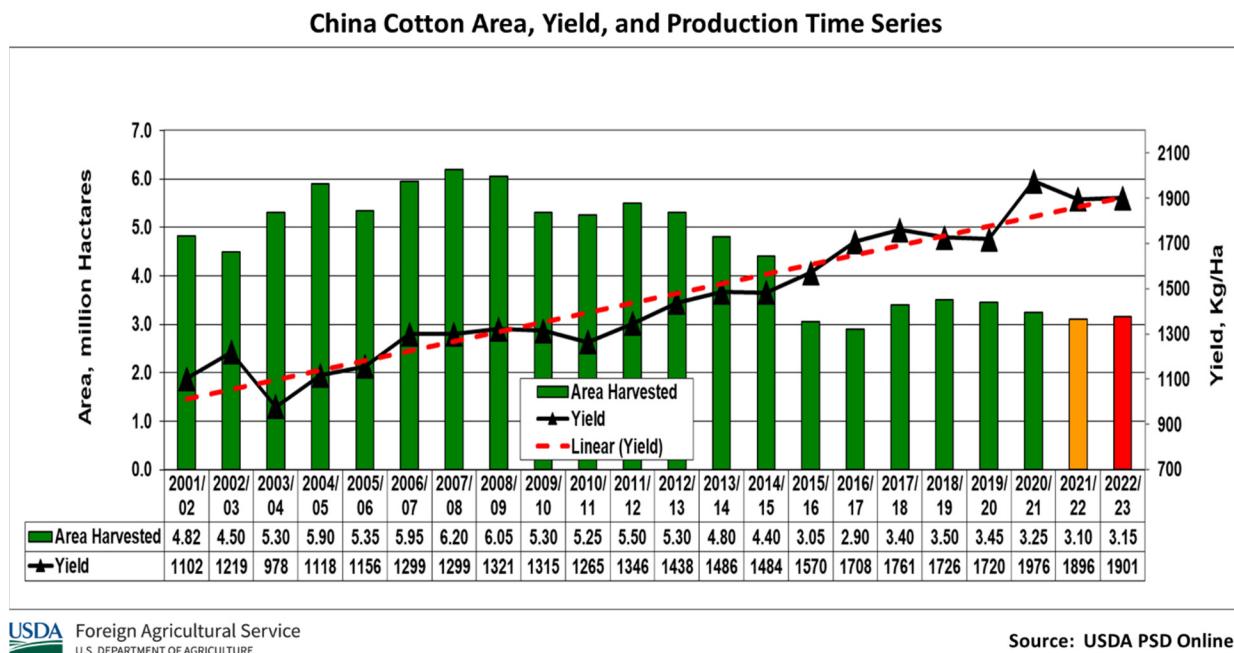
Côte d'Ivoire's palm oil area is comprised of 220,000 hectares (73 percent) of small landholders and 80,000 hectares (27 percent) of large-scale industrial estates. Average farm size for 45,000 small landholders is 3 to 5 hectares, and greater than 100 hectares for larger farms. Peak harvest months range from February through June when nearly 60 percent of the annual harvest is milled. Yields of Fresh Fruit Bunches (FFB) are 6 to 7 tons per hectare for small landholders and 18 to 25 tons per hectare for large-scale plantations. Major production challenges faced by smallholders are expensive high-yielding seed varieties and seedlings, high fertilizer costs, high labor costs, poor road infrastructure, high post-harvest losses, and low market prices offered at processing mills.

USDA/FAS personnel visited several high producing regions near Abidjan, several cooperatives, and several milling facilities from July 18 to 22, 2022. The FAS team also visited a *Centre National de Recherche Agronomique* (CNRA or National Center for Agricultural Research) station where high-yielding and disease resistant varieties are developed and distributed to large-scale industrial estates and small landholders. Côte d'Ivoire's milling capacity exceeds their production capacity, with 16 large-scale mills competing with numerous small-scale (artisan) and medium-scale mills. (For more information, please contact [Curt.Reynolds@usda.gov](mailto:Curt.Reynolds@usda.gov).)

### China Cotton: Production Unchanged Despite High Temperatures

USDA maintains China's marketing year (MY) 2022/23 cotton production forecast at 27.5 million 480-pound bales (5.987 million metric tons), the same as the previous month despite anomalously high temperatures during June and July period. Production is up 2 percent from the MY 2021/22 estimate, but down 1 percent from the 5-year average of 27.8 million bales. Area is estimated at 3.15 million hectares, unchanged from the previous estimate and up 1.6 percent from MY 2021/22. While larger area reductions are occurring in the Yangtze and Yellow River basins, a marginally higher year-to-year planted area is primarily attributed to area expansion in Xinjiang province.

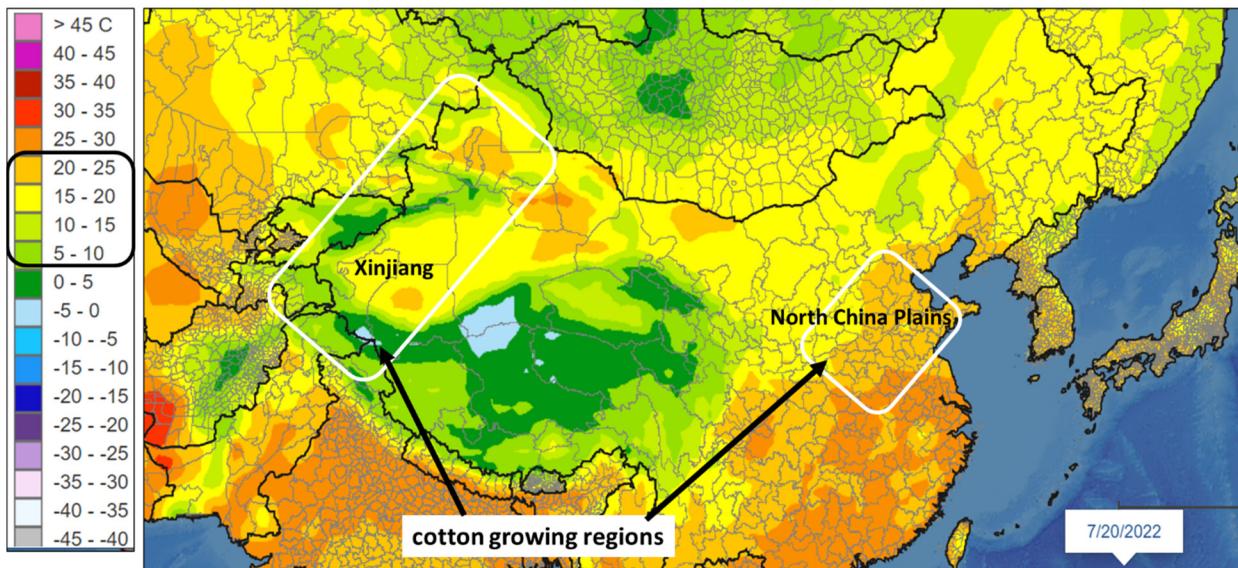
Yield is forecast at 1,901 kilograms per hectare (kg/ha), slightly up from the previous year and up approximately 5 percent from the 5-year average of 1,816 kg/ha.



The MY 2022/23 crop is in advanced boll filling and opening stages. The growing season has been characterized by favorable weather and soil moisture conditions in Xinjiang during planting, plant emergence, and early establishment. This led to a satisfactory finish for planting, crop conditions, and favorable yield expectations.

As the season progressed most regions in China experienced anomalously high temperatures especially during June and July. In general, China experienced above-normal summer heat. In localized regions in the south and east of Xinjiang, heatwaves were reported to have been particularly long lasting and widespread. According to ICAC (International Cotton Advisory Committee) various stages of the cotton crop have a specific optimum temperature range. Temperatures below and above the optimal range will have negative effects on yields. The cotton crop performs favorably with cooler temperatures during the flowering, boll formation and boll retention stages. ICAC's data illustrate that if the minimum night temperatures exceed 27 degrees, yields could decrease dramatically because it causes sterile pollen and boll shedding. In Xinjiang, the major cotton growing region, the minimum night temperatures in June and July fell between 5 and 25 degrees Celsius and did not exceed 27 degrees Celsius. Overall, the temperature conditions caused no significant damage to boll formation and boll retention, supporting favorable productivity.

### China Minimum Temperature Conditions for July 2022



**USDA** Foreign Agricultural Service  
U.S. DEPARTMENT OF AGRICULTURE

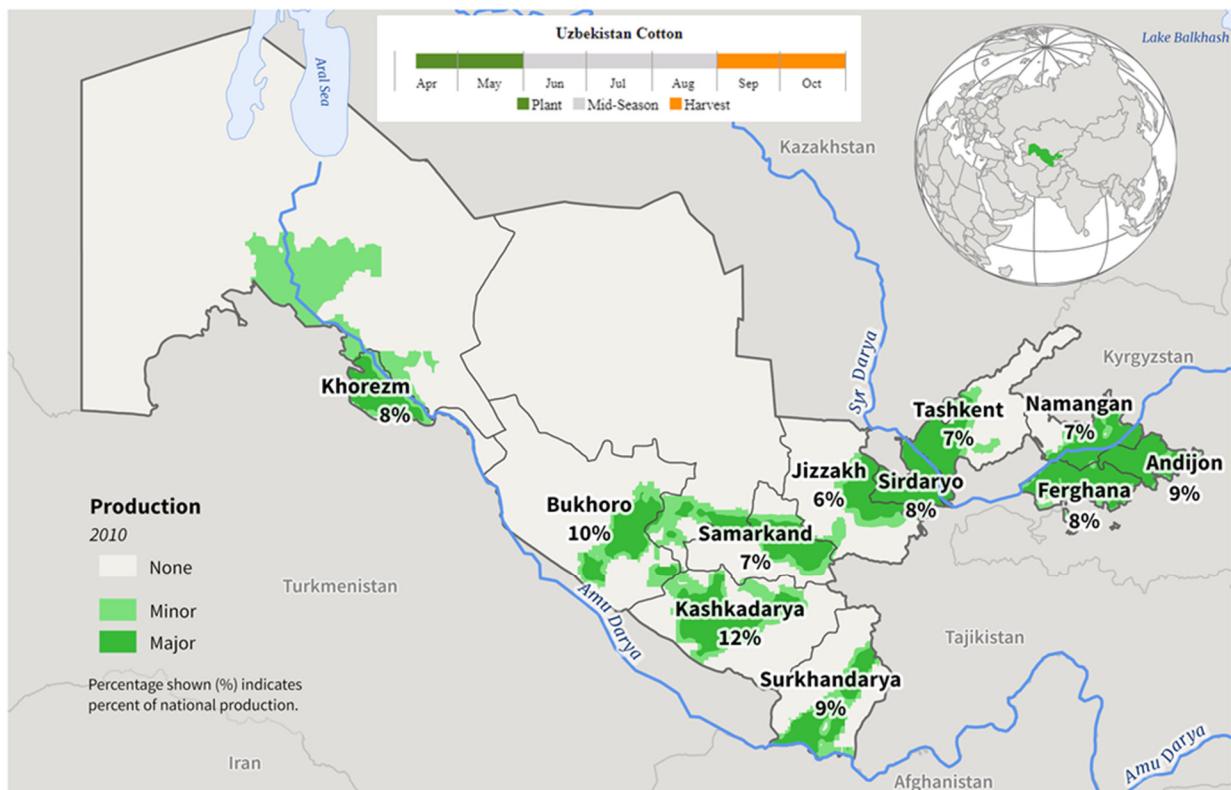
Source: NOAA Climate Prediction Center

USDA's near-real-time satellite imagery data and soil moisture visualization indicated no significant differences in crop performance between last year and the current year. Yield is forecast at a slight increase from last year. Conditions in Xinjiang province are the most important to monitor because yield is nearly twice those of other production regions in the Yellow and Yangtze River basins in the North China Plains. According to the latest survey by cncotton.com, the surplus of supply over demand will continue this year in Xinjiang, as the MY 2022/23 crop becomes available. The survey indicates that yield and output are estimated to be similar to last year. Beijing Cotton Outlook's latest Xinjiang survey shows overall crop development is still one week ahead of last year.

Approximately 85 percent of total China cotton is produced in Xinjiang province and the remainder in the Yellow River and Yangtze River basins, commonly known as the North China Plains. In Xinjiang approximately 94 percent of cotton production operations, including sowing and harvesting, are mechanized with adequate irrigation water availability. (*For more information, please contact [Dath.Mita@usda.gov](mailto:Dath.Mita@usda.gov).*)

## Uzbekistan Cotton: Prolonged July Heat Reduces Crop

### Uzbekistan: Cotton Production

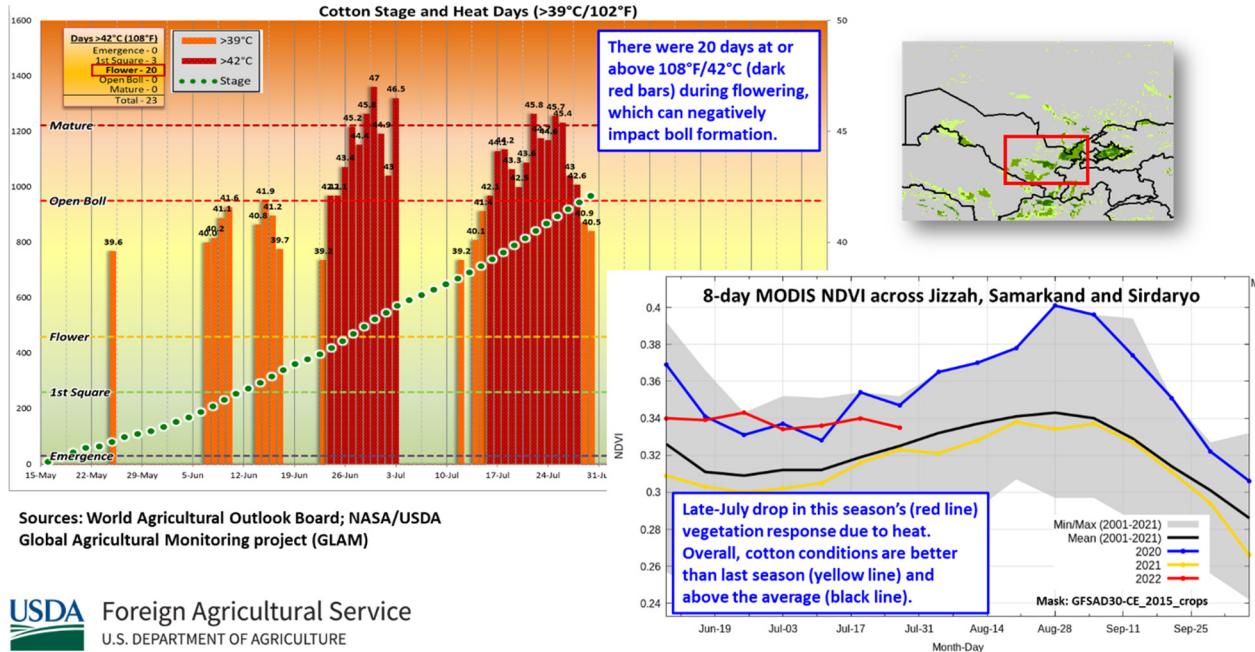


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Source: International Food Policy Research Institute (IFPRI),  
Spatial Production Allocation Model (SPAM), 2010

USDA forecasts Uzbekistan cotton production at 2.9 million 480-pound bales for marketing year (MY) 2022/23. This is a 3 percent decrease relative to last month, but an increase by 7 percent from last year. Harvested area is forecasted at 1.1 million hectares, unchanged from last month, but up 1 percent from last year. Yield is forecasted at 590 kilograms per hectare, down 3 percent from last month, but up 6 percent from last year.

## Uzbekistan Cotton: Impact of Heat on Boll Formation Across the Central Foothills



Cotton, generally, is irrigated in the region. Overall, Uzbekistan has received enough seasonal precipitation. The main watersheds, the Amu Darya and Syr Darya River basins, which supply water to the local reservoirs used for irrigating the cotton fields, have also gained sufficient water from snowmelt this season. Therefore, even though precipitation during the month of July has been mostly below-average, there are no significant water availability concerns for this year's cotton crop. Cotton growth, however, is not only susceptible to moisture supplies, but also to heat. High temperatures during flowering can be detrimental for cotton boll formation. The central part of Uzbekistan experienced 20 days at or above  $108^{\circ}\text{F}/42^{\circ}\text{C}$  (dark red bars) during the month of July, when the crop was at peak flowering. (For more information, please contact [Iliana.Mladenova@usda.gov](mailto:Iliana.Mladenova@usda.gov).)



**World Agricultural Production**  
**U.S. Department of Agriculture**  
Foreign Agricultural Service / Global Market Analysis  
International Production Assessment Division (IPAD)  
Ag Box 1051, Room 4630, South Building  
Washington, DC 20250-1051  
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Telephone: (202) 720-1662      Fax: (202) 720-1158

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), August 12, 2022.

**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](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, September 12, 2022.

**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
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Metric tons to hundredweight

Rice	=	MT * 22.04622
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Area & weight

1 hectare	=	2.471044 acres
1 kilogram	=	2.204622 pounds



For further information, contact:  
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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?1%5Bmember\\_of\\_collections\\_ssim%5D%5B%5D=Foreign+Agricultural+Service&locale=en](https://usda.library.cornell.edu/catalog?1%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		
---Million metric tons---																			
<b>Wheat</b>																			
2020/21	774.3	724.5	49.8	35.2	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.	779.2	734.5	44.8	21.7	3.3	75.2	33.0	nr	136.9	109.6	0.0	27.5	0.0	22.5	7.7	36.3	2.3	16.0	242.6
2022/23 proj.																			
Jul	771.6	723.2	48.5	34.0	3.3	81.5	19.5	nr	135.0	106.0	0.0	26.4	0.0	19.5	8.5	30.0	2.3	17.5	239.7
Aug	779.6	731.1	48.5	35.0	3.3	88.0	19.5	nr	138.0	103.0	0.0	26.4	0.0	19.0	8.7	33.0	2.3	17.3	237.7
<b>Coarse Grains</b>																			
2020/21	1,441.3	1,068.4	372.9	29.6	32.7	41.4	39.6	nr	269.1	51.4	12.6	9.4	5.7	60.0	90.3	18.6	17.8	15.8	374.5
2021/22 prel.	1,504.5	1,105.8	398.7	24.2	33.3	38.5	53.5	nr	280.9	50.6	12.7	10.0	5.4	62.7	120.6	18.5	16.9	11.6	366.6
2022/23 proj.																			
Jul	1,477.2	1,094.4	382.8	29.0	33.5	40.9	31.8	nr	279.3	50.0	12.9	9.4	5.5	64.9	130.5	14.5	17.9	13.6	360.8
Aug	1,469.5	1,093.0	376.5	29.3	33.5	41.0	37.5	nr	279.3	50.5	12.9	9.4	5.5	64.9	130.5	15.2	17.9	14.2	351.4
<b>Rice, Milled</b>																			
2020/21	509.3	502.0	7.2	0.0	0.2	0.7	0.0	nr	148.3	124.4	34.5	8.4	18.9	0.8	8.0	0.3	0.0	0.6	156.9
2021/22 prel.	513.7	507.6	6.1	0.0	0.2	0.7	0.0	nr	149.0	129.7	34.4	8.7	19.7	0.8	7.3	0.5	0.0	0.5	156.1
2022/23 proj.																			
Jul	514.8	509.2	5.5	0.0	0.2	0.6	0.0	nr	149.0	130.5	34.6	8.9	19.8	0.8	7.1	0.6	0.0	0.6	156.6
Aug	512.4	506.9	5.6	0.0	0.2	0.7	0.0	nr	149.0	128.5	34.6	8.9	19.8	0.8	7.1	0.6	0.0	0.6	156.1
<b>Total Grains</b>																			
2020/21	2,724.8	2,294.9	429.9	64.8	35.8	127.5	65.0	nr	551.6	283.6	47.1	43.0	24.5	78.5	104.6	50.8	19.9	34.6	763.4
2021/22 prel.	2,797.4	2,347.8	449.6	45.9	36.7	114.4	86.6	nr	566.8	289.8	47.1	46.2	25.0	85.9	135.7	55.3	19.1	28.1	765.3
2022/23 proj.																			
Jul	2,763.6	2,326.8	436.8	63.0	37.0	123.0	51.3	nr	563.3	286.5	47.5	44.7	25.3	85.2	146.1	45.1	20.2	31.7	757.0
Aug	2,761.5	2,330.9	430.6	64.3	37.0	129.7	57.0	nr	566.3	282.0	47.5	44.7	25.3	84.7	146.3	48.8	20.2	32.0	745.2
<b>Oilseeds</b>																			
2020/21	607.3	482.7	124.5	25.9	0.7	20.1	19.9	nr	65.6	38.3	14.6	2.6	1.0	51.2	143.9	5.7	2.7	2.9	87.7
2021/22 prel.	600.5	469.9	130.5	19.0	0.9	23.1	24.3	nr	62.9	41.1	15.1	3.3	1.0	49.0	130.9	8.1	3.2	3.4	84.8
2022/23 proj.																			
Jul	643.1	510.4	132.7	26.1	0.9	23.6	15.5	nr	64.1	42.2	15.2	3.4	1.0	56.8	154.3	7.1	3.2	3.7	93.4
Aug	646.0	513.5	132.5	26.1	0.9	26.4	15.6	nr	65.0	41.8	15.2	3.4	1.0	56.8	154.3	7.8	2.9	3.8	92.6
<b>Cotton</b>																			
2020/21	111.4	96.8	14.6	0.0	1.0	0.0	0.0	1.7	29.5	27.6	0.0	4.5	0.0	1.4	10.8	2.8	0.1	2.9	14.5
2021/22 prel.	116.0	98.4	17.5	0.0	1.2	0.0	0.0	1.6	27.0	24.5	0.0	6.0	0.0	1.5	12.0	5.5	0.1	3.8	15.3
2022/23 proj.																			
Jul	120.1	104.6	15.5	0.0	1.3	0.0	0.0	1.6	27.5	27.5	0.0	6.2	0.0	1.4	13.0	5.5	0.1	4.3	16.2
Aug	117.0	104.4	12.6	0.0	1.3	0.0	0.0	1.6	27.5	27.5	0.0	6.2	0.0	1.4	13.0	5.5	0.1	4.3	16.1

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	220.51	222.19	221.24	221.63	3.51	3.51	3.49	3.52	774.28	779.24	771.64	779.60	<b>7.96</b>	<b>1.03</b>	<b>0.36</b>	<b>0.05</b>
<b>United States</b>	14.89	15.04	15.23	15.19	3.34	2.98	3.18	3.20	49.75	44.79	48.47	48.52	<b>0.06</b>	<b>0.12</b>	<b>3.73</b>	<b>8.33</b>
<b>Total Foreign</b>	205.62	207.15	206.01	206.44	3.52	3.55	3.51	3.54	724.53	734.45	723.17	731.08	<b>7.91</b>	<b>1.09</b>	<b>-3.38</b>	<b>-0.46</b>
<b>European Union</b>	22.97	24.25	24.10	24.00	5.52	5.70	5.56	5.50	126.69	138.29	134.10	132.10	<b>-2.00</b>	<b>-1.49</b>	<b>-6.19</b>	<b>-4.48</b>
<b>United Kingdom</b>	1.39	1.79	1.80	1.80	6.96	7.81	8.11	8.11	9.66	13.99	14.60	14.60	<b>0.00</b>	<b>0.00</b>	<b>0.61</b>	<b>4.38</b>
<b>Serbia</b>	0.59	0.60	0.63	0.63	4.58	5.00	4.60	4.60	2.70	3.00	2.90	2.90	<b>0.00</b>	<b>0.00</b>	<b>-0.10</b>	<b>-3.33</b>
<b>China</b>	23.38	23.57	23.40	23.60	5.74	5.81	5.77	5.85	134.25	136.95	135.00	138.00	<b>3.00</b>	<b>2.22</b>	<b>1.05</b>	<b>0.77</b>
<b>South Asia</b>																
India	31.36	31.13	31.00	30.54	3.44	3.52	3.42	3.37	107.86	109.59	106.00	103.00	<b>-3.00</b>	<b>-2.83</b>	<b>-6.59</b>	<b>-6.01</b>
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	<b>0.00</b>	<b>0.00</b>	<b>-1.06</b>	<b>-3.87</b>
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	<b>0.00</b>	<b>0.00</b>	<b>0.10</b>	<b>2.27</b>
Nepal	0.71	0.72	0.75	0.72	2.99	2.90	2.80	2.92	2.13	2.08	2.10	2.10	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>1.20</b>
<b>Former Soviet Union - 12</b>																
Russia	28.68	27.63	27.80	28.70	2.98	2.72	2.93	3.07	85.35	75.16	81.50	88.00	<b>6.50</b>	<b>7.98</b>	<b>12.84</b>	<b>17.09</b>
Russia Winter	16.63	15.22	15.60	16.30	3.77	3.43	3.81	3.99	62.69	52.19	59.50	65.00	<b>5.50</b>	<b>9.24</b>	<b>12.81</b>	<b>24.54</b>
Russia Spring	12.06	12.41	12.20	12.40	1.88	1.85	1.80	1.85	22.66	22.96	22.00	23.00	<b>1.00</b>	<b>4.55</b>	<b>0.04</b>	<b>0.16</b>
Ukraine	6.85	7.41	5.25	5.25	3.71	4.45	3.71	3.71	25.42	33.01	19.50	19.50	<b>0.00</b>	<b>0.00</b>	<b>-13.51</b>	<b>-40.92</b>
Kazakhstan	12.06	12.72	12.50	12.75	1.18	0.93	1.04	1.02	14.26	11.81	13.00	13.00	<b>0.00</b>	<b>0.00</b>	<b>1.19</b>	<b>10.04</b>
Uzbekistan	1.36	1.36	1.40	1.40	4.53	4.43	4.71	4.71	6.16	6.03	6.60	6.60	<b>0.00</b>	<b>0.00</b>	<b>0.57</b>	<b>9.51</b>
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	<b>0.00</b>	<b>0.00</b>	<b>0.05</b>	<b>2.17</b>
<b>Canada</b>	10.02	9.25	10.00	10.00	3.51	2.34	3.40	3.50	35.18	21.65	34.00	35.00	<b>1.00</b>	<b>2.94</b>	<b>13.35</b>	<b>61.65</b>
<b>South America</b>																
Argentina	6.40	6.55	6.20	6.10	2.76	3.44	3.15	3.11	17.64	22.50	19.50	19.00	<b>-0.50</b>	<b>-2.56</b>	<b>-3.50</b>	<b>-15.56</b>
Brazil	2.34	2.74	3.20	3.20	2.67	2.81	2.66	2.72	6.25	7.70	8.50	8.70	<b>0.20</b>	<b>2.35</b>	<b>1.00</b>	<b>12.99</b>
<b>Australia</b>	12.64	13.00	13.20	13.20	2.52	2.79	2.27	2.50	31.92	36.30	30.00	33.00	<b>3.00</b>	<b>10.00</b>	<b>-3.30</b>	<b>-9.09</b>
<b>Africa</b>																
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	<b>0.00</b>	<b>0.00</b>	<b>0.80</b>	<b>8.89</b>
Morocco	2.76	2.86	2.50	2.50	0.93	2.64	0.90	0.90	2.56	7.54	2.25	2.25	<b>0.00</b>	<b>0.00</b>	<b>-5.29</b>	<b>-70.16</b>
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	<b>0.00</b>	<b>0.00</b>	<b>1.20</b>	<b>48.00</b>
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	<b>0.00</b>	<b>0.00</b>	<b>0.18</b>	<b>3.26</b>
<b>Middle East</b>																
Turkey	7.10	7.05	7.00	6.80	2.57	2.27	2.50	2.54	18.25	16.00	17.50	17.25	<b>-0.25</b>	<b>-1.43</b>	<b>1.25</b>	<b>7.81</b>
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	<b>0.00</b>	<b>0.00</b>	<b>1.20</b>	<b>10.00</b>
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	<b>0.00</b>	<b>0.00</b>	<b>-0.50</b>	<b>-14.29</b>
Syria	1.60	1.10	1.30	1.30	2.81	1.82	1.92	1.92	4.50	2.00	2.50	2.50	<b>0.00</b>	<b>0.00</b>	<b>0.50</b>	<b>25.00</b>
<b>Mexico</b>	0.56	0.55	0.59	0.59	5.33	6.00	5.59	5.59	2.97	3.28	3.27	3.27	<b>0.00</b>	<b>0.00</b>	<b>-0.01</b>	<b>-0.34</b>
<b>Others</b>	7.32	7.45	7.72	7.69	2.81	2.81	2.81	2.82	20.56	20.91	21.70	21.66	<b>-0.05</b>	<b>-0.21</b>	<b>0.75</b>	<b>3.58</b>

**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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	Jul	Aug	Prel. 2020/21	2021/22	Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	344.77	345.49	340.79	340.61	4.18	4.35	4.33	4.31	1,441.25	1,504.50	1,477.20	1,469.49	-7.72	-0.52	-35.01	-2.33
<b>United States</b>	36.81	38.35	36.77	36.72	10.13	10.40	10.41	10.25	372.89	398.71	382.76	376.49	-6.27	-1.64	-22.21	-5.57
<b>Total Foreign</b>	307.95	307.14	304.02	303.89	3.47	3.60	3.60	3.60	1,068.36	1,105.79	1,094.44	1,092.99	-1.45	-0.13	-12.80	-1.16
<b>China</b>	43.72	45.77	45.45	45.45	6.15	6.14	6.15	6.15	269.08	280.85	279.30	279.30	0.00	0.00	-1.55	-0.55
<b>European Union</b>	28.77	27.77	27.71	27.74	5.40	5.56	5.41	5.07	155.46	154.41	149.77	140.61	-9.16	-6.12	-13.80	-8.94
<b>United Kingdom</b>	1.66	1.43	1.37	1.37	5.64	5.88	6.10	6.10	9.36	8.41	8.35	8.35	0.00	0.00	-0.06	-0.73
<b>South America</b>																
Brazil	21.30	23.37	24.31	24.31	4.24	5.16	5.37	5.37	90.32	120.62	130.54	130.54	0.00	0.00	9.92	8.22
Argentina	8.64	9.94	9.62	9.59	6.94	6.30	6.75	6.77	60.00	62.65	64.87	64.91	0.04	0.06	2.26	3.60
<b>Former Soviet Union - 12</b>																
Russia	14.55	14.01	14.18	13.40	2.84	2.75	2.89	3.06	41.40	38.54	40.93	41.00	0.08	0.18	2.46	6.39
Ukraine	8.53	8.66	6.87	6.87	4.64	6.18	4.63	5.46	39.59	53.51	31.76	37.46	5.70	17.95	-16.05	-30.00
Kazakhstan	3.20	2.63	2.70	2.61	1.54	1.43	1.58	1.57	4.93	3.76	4.25	4.10	-0.15	-3.53	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
<b>Africa</b>																
Nigeria	13.10	13.70	13.95	13.95	1.60	1.56	1.54	1.54	20.90	21.39	21.50	21.50	0.00	0.00	0.11	0.50
South Africa	3.36	3.19	3.30	3.30	5.31	5.29	5.43	5.43	17.81	16.85	17.90	17.90	0.00	0.00	1.05	6.22
Tanzania	5.17	5.40	5.00	5.00	1.51	1.49	1.40	1.40	7.79	8.05	6.98	6.98	0.00	0.00	-1.08	-13.35
Burkina Faso	4.18	4.24	4.24	4.24	1.13	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	1.38	1.38	7.26	6.31	6.50	6.50	0.00	0.00	0.19	2.95
<b>India</b>	24.12	24.09	23.91	24.34	2.13	2.10	2.09	2.07	51.39	50.56	50.00	50.50	0.50	1.00	-0.06	-0.11
<b>Southeast Asia</b>																
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	2.60	2.65	2.65	3.25	3.19	3.13	3.13	8.35	8.30	8.30	8.30	0.00	0.00	0.00	0.00
Vietnam	0.99	0.99	0.97	0.97	4.80	4.86	4.85	4.85	4.74	4.80	4.70	4.70	0.00	0.00	-0.10	-2.04
Thailand	1.28	1.23	1.25	1.25	4.41	4.36	4.37	4.37	5.65	5.35	5.45	5.45	0.00	0.00	0.10	1.87
<b>Mexico</b>	8.76	8.89	9.01	9.01	3.73	3.74	3.72	3.72	32.66	33.27	33.50	33.50	0.00	0.00	0.23	0.68
<b>Canada</b>	5.80	5.74	5.54	5.54	5.11	4.22	5.24	5.30	29.64	24.21	29.02	29.35	0.33	1.12	5.13	21.19
<b>Australia</b>	7.27	5.96	5.69	5.74	2.56	3.11	2.55	2.65	18.61	18.50	14.52	15.22	0.70	4.82	-3.28	-17.73
<b>Middle East</b>																
Turkey	4.63	4.46	4.54	4.54	3.40	2.60	2.99	3.12	15.76	11.58	13.57	14.17	0.60	4.42	2.59	22.36
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
<b>Others</b>	77.84	74.84	73.48	73.72	1.61	1.66	1.64	1.64	125.06	124.35	120.85	120.77	-0.08	-0.07	-3.58	-2.88

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	199.08	206.77	203.43	203.64	5.67	5.89	5.83	5.79	1,129.44	1,218.76	1,185.90	1,179.61	-6.29	-0.53	-39.15	-3.21
<b>United States</b>	33.31	34.56	33.16	33.12	10.76	11.11	11.11	11.01	358.45	383.94	368.44	364.73	-3.72	-1.01	-19.22	-5.00
<b>Total Foreign</b>	165.76	172.22	170.27	170.52	4.65	4.85	4.80	4.78	771.00	834.81	817.46	814.88	-2.58	-0.32	-19.93	-2.39
<b>China</b>	41.26	43.32	43.00	43.00	6.32	6.29	6.30	6.30	260.67	272.55	271.00	271.00	0.00	0.00	-1.55	-0.57
<b>South America</b>																
Brazil	19.90	21.80	22.70	22.70	4.37	5.32	5.55	5.55	87.00	116.00	126.00	126.00	0.00	0.00	10.00	8.62
Argentina	6.55	7.20	7.00	7.00	7.94	7.36	7.86	7.86	52.00	53.00	55.00	55.00	0.00	0.00	2.00	3.77
Bolivia	0.41	0.44	0.48	0.44	3.00	2.60	2.32	2.64	1.23	1.13	1.10	1.15	0.05	4.55	0.02	1.77
<b>European Union</b>	9.24	9.24	9.07	9.00	7.30	7.69	7.50	6.67	67.44	70.98	68.00	60.00	-8.00	-11.76	-10.98	-15.47
<b>Africa</b>																
South Africa	3.12	3.00	3.10	3.10	5.44	5.43	5.58	5.58	16.95	16.30	17.30	17.30	0.00	0.00	1.00	6.13
Nigeria	5.50	6.00	6.25	6.25	2.25	2.12	2.00	2.00	12.40	12.75	12.50	12.50	0.00	0.00	-0.25	-1.92
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	1.59	1.48	1.48	6.71	7.00	5.90	5.90	0.00	0.00	-1.10	-15.71
Malawi	1.76	1.75	1.70	1.75	2.10	2.62	1.76	2.12	3.69	4.58	3.00	3.72	0.72	23.90	-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	1.60	1.90	0.57	1.39	1.00	0.82	0.91	2.72	1.60	1.56	-0.04	-2.63	-1.16	-42.66
<b>Former Soviet Union - 12</b>																
Ukraine	5.40	5.49	4.50	4.50	5.62	7.68	5.56	6.67	30.30	42.13	25.00	30.00	5.00	20.00	-12.13	-28.79
Russia	2.73	2.90	2.70	2.70	5.08	5.25	5.37	5.56	13.87	15.23	14.50	15.00	0.50	3.45	-0.23	-1.48
<b>South Asia</b>																
India	9.89	9.90	9.80	9.80	3.20	3.33	3.21	3.21	31.65	33.00	31.50	31.50	0.00	0.00	-1.50	-4.55
Pakistan	1.42	1.50	1.50	1.50	6.30	6.33	5.93	5.93	8.94	9.50	8.90	8.90	0.00	0.00	-0.60	-6.32
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
<b>Southeast Asia</b>																
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	2.60	2.65	2.65	3.25	3.19	3.13	3.13	8.35	8.30	8.30	8.30	0.00	0.00	0.00	0.00
Vietnam	0.99	0.99	0.97	0.97	4.80	4.86	4.85	4.85	4.74	4.80	4.70	4.70	0.00	0.00	-0.10	-2.04
Thailand	1.26	1.20	1.22	1.22	4.46	4.42	4.43	4.43	5.60	5.30	5.40	5.40	0.00	0.00	0.10	1.89
<b>Mexico</b>	7.14	7.10	7.20	7.20	3.83	3.88	3.83	3.83	27.35	27.55	27.60	27.60	0.00	0.00	0.05	0.18
<b>Canada</b>	1.41	1.39	1.40	1.40	9.63	10.05	10.00	10.00	13.56	13.98	14.00	14.00	0.00	0.00	0.02	0.11
<b>Turkey</b>	0.62	0.54	0.52	0.53	11.45	12.04	11.54	11.81	7.10	6.50	6.00	6.20	0.20	3.33	-0.30	-4.62
<b>Others</b>	26.32	26.73	26.41	26.41	2.60	2.61	2.59	2.55	68.34	69.75	68.39	67.39	-1.00	-1.46	-2.36	-3.38

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	52.47	48.56	47.86	47.59	3.07	2.99	3.04	3.08	160.87	145.15	145.53	146.36	0.83	0.57	1.20	0.83
<b>United States</b>	0.90	0.79	0.97	0.96	4.15	3.25	3.93	3.57	3.72	2.56	3.81	3.44	-0.37	-9.72	0.88	34.15
<b>Total Foreign</b>	51.58	47.77	46.89	46.62	3.05	2.98	3.02	3.07	157.15	142.59	141.72	142.92	1.20	0.85	0.33	0.23
<b>European Union</b>	11.05	10.31	10.55	10.60	4.91	5.05	4.82	4.73	54.23	52.05	50.90	50.10	-0.80	-1.57	-1.95	-3.74
<b>United Kingdom</b>	1.39	1.15	1.12	1.12	5.85	6.05	6.32	6.32	8.12	6.96	7.05	7.05	0.00	0.00	0.09	1.28
<b>Former Soviet Union - 12</b>																
Russia	8.16	7.69	7.80	7.60	2.53	2.28	2.50	2.63	20.63	17.51	19.50	20.00	0.50	2.56	2.50	14.25
Ukraine	2.58	2.68	1.90	1.90	3.08	3.70	3.00	3.37	7.95	9.92	5.70	6.40	0.70	12.28	-3.52	-35.50
Kazakhstan	2.73	2.16	2.20	2.15	1.34	1.10	1.27	1.26	3.66	2.37	2.80	2.70	-0.10	-3.57	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	0.34	0.34	2.81	2.74	2.79	2.79	0.97	1.00	0.95	0.95	0.00	0.00	-0.05	-5.00
<b>Canada</b>	2.81	3.00	2.60	2.60	3.82	2.31	3.73	3.81	10.74	6.95	9.70	9.90	0.20	2.06	2.95	42.49
<b>Australia</b>	5.49	4.35	4.10	4.10	2.67	3.15	2.68	2.80	14.65	13.70	11.00	11.50	0.50	4.55	-2.20	-16.06
<b>Middle East</b>																
Turkey	3.80	3.70	3.80	3.80	2.13	1.22	1.84	1.95	8.10	4.50	7.00	7.40	0.40	5.71	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	1.00	1.00	1.27	0.81	0.90	0.90	1.90	0.65	0.90	0.90	0.00	0.00	0.25	38.46
<b>Africa</b>																
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	1.30	1.30	0.44	1.87	0.60	0.60	0.64	2.78	0.78	0.78	0.00	0.00	-2.00	-71.94
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	0.11	0.11	4.14	3.48	3.64	3.64	0.59	0.33	0.40	0.40	0.00	0.00	0.07	20.85
<b>South America</b>																
Argentina	1.01	1.34	1.35	1.35	4.00	3.96	3.93	3.93	4.04	5.30	5.30	5.30	0.00	0.00	0.00	0.00
Uruguay	0.19	0.22	0.23	0.23	4.78	4.11	4.16	4.16	0.89	0.92	0.94	0.94	0.00	0.00	0.02	1.63
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
<b>India</b>																
India	0.59	0.59	0.61	0.54	2.92	2.80	2.62	2.59	1.72	1.66	1.60	1.40	-0.20	-12.50	-0.26	-15.46
<b>China</b>																
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
<b>Mexico</b>																
Mexico	0.30	0.35	0.34	0.34	3.07	2.99	2.82	2.82	0.91	1.03	0.96	0.96	0.00	0.00	-0.07	-6.80
<b>Afghanistan</b>																
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
<b>Others</b>																
Others	1.80	1.78	1.82	1.82	2.39	2.37	2.41	2.41	4.31	4.22	4.38	4.39	0.00	0.02	0.17	3.93

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	10.08	9.55	9.90	9.49	2.55	2.35	2.51	2.56	25.72	22.41	24.86	24.30	-0.56	-2.24	1.89	8.45
<b>United States</b>	0.41	0.26	0.32	0.32	2.34	2.20	2.37	2.37	0.95	0.58	0.76	0.76	0.00	-0.13	0.19	32.01
<b>Total Foreign</b>	9.67	9.28	9.57	9.16	2.56	2.35	2.52	2.57	24.77	21.83	24.09	23.54	-0.56	-2.30	1.71	7.82
<b>European Union</b>	2.56	2.56	2.45	2.50	3.31	2.95	3.08	3.04	8.47	7.53	7.55	7.60	0.05	0.66	0.07	0.96
<b>Former Soviet Union - 12</b>																
Russia	2.33	2.17	2.40	2.00	1.77	1.72	1.88	1.90	4.13	3.73	4.50	3.80	-0.70	-15.56	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	0.24	0.20	1.05	0.90	1.15	1.13	0.24	0.18	0.28	0.23	-0.05	-18.18	0.04	23.63
<b>Canada</b>	1.31	1.11	1.30	1.30	3.48	2.34	3.54	3.62	4.58	2.61	4.60	4.70	0.10	2.17	2.09	80.35
<b>South America</b>																
Argentina	0.24	0.35	0.30	0.28	2.13	2.07	2.00	2.30	0.51	0.73	0.60	0.65	0.05	7.50	-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	0.10	0.10	4.65	5.40	5.10	5.10	0.53	0.66	0.50	0.50	0.00	0.00	-0.17	-25.45
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
<b>Oceania</b>																
Australia	1.07	0.85	0.90	0.90	1.77	1.88	1.61	1.61	1.90	1.60	1.45	1.45	0.00	0.00	-0.15	-9.38
New Zealand	0.00	0.01	0.01	0.01	5.75	5.80	5.80	5.80	0.02	0.03	0.03	0.03	0.00	0.00	0.00	0.00
<b>China</b>	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
<b>Africa</b>																
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	1.94	1.67	1.67	0.06	0.07	0.05	0.05	0.00	0.00	-0.02	-28.57
<b>Other Europe</b>																
United Kingdom	0.21	0.20	0.19	0.19	4.91	5.62	5.53	5.53	1.03	1.12	1.05	1.05	0.00	0.00	-0.07	-6.50
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
<b>Turkey</b>	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
<b>Mexico</b>	0.03	0.05	0.05	0.05	2.03	2.00	1.89	1.89	0.06	0.09	0.09	0.09	0.00	0.00	-0.01	-5.56
<b>Others</b>	0.03	0.03	0.03	0.03	1.61	1.76	1.68	1.68	0.05	0.05	0.05	0.05	0.00	0.00	0.00	1.96

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	4.17	4.06	3.86	3.79	3.43	3.09	3.17	3.19	14.30	12.54	12.24	12.09	-0.15	-1.23	-0.46	-3.64
<b>United States</b>	0.13	0.12	0.14	0.14	2.19	2.09	2.13	2.13	0.29	0.25	0.30	0.30	0.00	0.00	0.05	19.68
<b>Total Foreign</b>	4.03	3.94	3.72	3.65	3.47	3.12	3.21	3.23	14.01	12.30	11.94	11.79	-0.15	-1.26	-0.51	-4.12
<b>European Union</b>	2.08	1.93	1.90	1.90	4.31	4.12	4.08	4.04	8.97	7.95	7.75	7.68	-0.07	-0.90	-0.27	-3.37
<b>Former Soviet Union - 12</b>																
Russia	0.97	0.99	0.95	0.88	2.44	1.73	2.11	2.17	2.38	1.72	2.00	1.90	-0.10	-5.00	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
<b>Turkey</b>	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
<b>Canada</b>	0.15	0.15	0.15	0.15	3.19	3.22	3.17	3.33	0.49	0.47	0.48	0.50	0.03	5.26	0.03	5.71
<b>South America</b>																
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	1.85	1.84	0.14	0.23	0.17	0.16	-0.01	-3.03	-0.07	-28.89
<b>Other Europe</b>																
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
<b>Australia</b>	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
<b>Others</b>	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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	42.96	41.64	41.04	41.04	1.45	1.49	1.52	1.47	62.44	62.17	62.43	60.38	-2.05	-3.28	-1.78	-2.87
<b>United States</b>	2.06	2.63	2.18	2.18	4.59	4.33	4.34	3.34	9.47	11.38	9.45	7.27	-2.18	-23.08	-4.11	-36.11
<b>Total Foreign</b>	40.90	39.02	38.87	38.86	1.30	1.30	1.36	1.37	52.97	50.79	52.98	53.12	0.14	0.25	2.32	4.58
<b>Africa</b>																
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	1.86	1.90	1.90	1.90	0.99	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	0.82	0.80	0.90	0.90	0.25	0.20	0.23	0.23	0.00	0.00	0.03	12.50
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	3.95	3.75	3.75	0.22	0.15	0.15	0.15	0.00	0.00	0.00	0.00
<b>Mexico</b>	1.29	1.40	1.42	1.42	3.37	3.29	3.42	3.42	4.35	4.60	4.85	4.85	0.00	0.00	0.25	5.43
<b>South America</b>																
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
<b>South Asia</b>																
India	4.38	4.60	4.50	4.50	1.10	0.98	0.98	0.98	4.81	4.50	4.40	4.40	0.00	0.00	-0.10	-2.22
Pakistan	0.13	0.26	0.22	0.22	0.76	0.59	0.63	0.63	0.10	0.15	0.14	0.14	0.00	0.00	-0.02	-10.00
<b>China</b>	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
<b>Australia</b>	0.57	0.62	0.55	0.60	2.86	4.35	2.91	3.00	1.64	2.70	1.60	1.80	0.20	12.50	-0.90	-33.33
<b>European Union</b>	0.19	0.15	0.19	0.14	5.21	5.49	5.34	5.18	1.00	0.82	1.02	0.73	-0.29	-28.57	-0.10	-11.91
<b>Others</b>	5.80	5.68	5.61	5.60	1.12	1.10	1.04	1.09	6.47	6.26	5.86	6.08	0.23	3.84	-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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	165.21	166.51	166.82	165.56	4.60	4.61	4.61	4.62	509.26	513.65	514.76	512.44	-2.32	-0.45	-1.22	-0.24
<b>United States</b>	1.21	1.01	0.93	0.93	8.54	8.64	8.48	8.55	7.22	6.09	5.54	5.59	0.05	0.87	-0.50	-8.23
<b>Total Foreign</b>	164.00	165.51	165.89	164.63	4.57	4.58	4.59	4.60	502.04	507.56	509.22	506.85	-2.37	-0.47	-0.71	-0.14
<b>East Asia</b>																
China	30.08	29.92	30.00	30.00	7.04	7.11	7.10	7.10	148.30	148.99	149.00	149.00	0.00	0.00	0.01	0.01
Japan	1.53	1.52	1.51	1.51	6.79	6.90	6.87	6.87	7.57	7.64	7.55	7.55	0.00	0.00	-0.09	-1.18
Korea, South	0.73	0.73	0.72	0.72	6.49	7.12	6.91	6.90	3.51	3.88	3.72	3.72	0.00	-0.05	-0.16	-4.17
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
<b>South Asia</b>																
India	45.77	47.00	47.00	46.00	4.08	4.14	4.17	4.19	124.37	129.66	130.50	128.50	-2.00	-1.53	-1.16	-0.89
Bangladesh	11.50	11.62	11.75	11.50	4.51	4.63	4.60	4.65	34.60	35.85	36.00	35.65	-0.35	-0.97	-0.20	-0.56
Pakistan	3.34	3.40	3.40	3.40	3.79	3.84	3.93	3.93	8.42	8.70	8.90	8.90	0.00	0.00	0.20	2.30
Nepal	1.48	1.47	1.48	1.48	3.81	3.80	3.73	3.83	3.74	3.73	3.67	3.76	0.10	2.67	0.03	0.88
Sri Lanka	1.09	1.10	1.10	1.10	4.57	3.54	4.00	4.00	3.39	2.65	3.00	3.00	0.00	0.00	0.35	13.23
<b>Southeast Asia</b>																
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	7.29	7.29	7.29	6.00	5.95	6.01	6.01	27.38	27.07	27.40	27.40	0.00	0.00	0.33	1.22
Thailand	10.51	10.59	10.70	10.70	2.72	2.81	2.80	2.80	18.86	19.65	19.80	19.80	0.00	0.00	0.15	0.76
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	4.17	4.10	4.10	12.42	12.60	12.41	12.41	0.00	0.00	-0.19	-1.50
Cambodia	3.27	3.34	3.35	3.35	2.90	2.88	2.91	2.91	5.78	5.86	5.94	5.94	0.00	0.00	0.08	1.33
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
<b>South America</b>																
Brazil	1.68	1.62	1.60	1.60	7.00	6.67	6.53	6.53	8.00	7.34	7.10	7.10	0.00	0.00	-0.24	-3.32
Peru	0.41	0.42	0.42	0.42	8.21	8.34	8.55	8.55	2.34	2.40	2.48	2.48	0.00	0.00	0.09	3.72
<b>Africa</b>																
Egypt	0.70	0.50	0.50	0.50	8.28	8.41	8.41	8.41	4.00	2.90	2.90	2.90	0.00	0.00	0.00	0.00
Madagascar	1.68	1.65	1.60	1.60	2.53	2.42	2.38	2.38	2.71	2.56	2.43	2.43	0.00	0.00	-0.13	-5.00
Nigeria	3.60	3.65	3.70	3.70	2.27	2.29	2.30	2.30	5.15	5.26	5.36	5.36	0.00	0.00	0.10	1.90
<b>European Union</b>	0.42	0.40	0.36	0.36	6.74	6.53	6.36	5.90	1.83	1.71	1.46	1.35	-0.11	-7.73	-0.37	-21.35
<b>Iran</b>	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
<b>Others</b>	13.20	13.32	13.36	13.36	2.93	2.89	2.88	2.88	25.48	25.38	25.39	25.39	0.00	0.00	0.02	0.06

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World Total</b>	--	--	--	--	--	--	--	--	607.26	600.47	643.07	646.00	<b>2.93</b>	<b>0.46</b>	<b>45.53</b>	<b>7.58</b>
<b>Total Foreign</b>	--	--	--	--	--	--	--	--	482.74	469.92	510.40	513.54	<b>3.13</b>	<b>0.61</b>	<b>43.61</b>	<b>9.28</b>
<b>Oilseed, Copra</b>	--	--	--	--	--	--	--	--	5.59	5.86	5.86	5.86	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Oilseed, Palm Kernel</b>	--	--	--	--	--	--	--	--	19.04	20.07	20.56	20.59	<b>0.02</b>	<b>0.12</b>	<b>0.52</b>	<b>2.58</b>
<b>Major OilSeeds</b>	251.29	259.48	262.29	263.47	2.32	2.21	2.35	2.35	582.62	574.54	616.65	619.55	<b>2.91</b>	<b>0.47</b>	<b>45.02</b>	<b>7.84</b>
<b>United States</b>	38.81	41.07	40.91	40.21	3.21	3.18	3.24	3.29	124.52	130.54	132.67	132.46	<b>-0.21</b>	<b>-0.15</b>	<b>1.92</b>	<b>1.47</b>
<b>Foreign Oilseeds</b>	212.48	218.41	221.38	223.26	2.16	2.03	2.19	2.18	458.10	444.00	483.98	487.09	<b>3.11</b>	<b>0.64</b>	<b>43.10</b>	<b>9.71</b>
<b>South America</b>	65.75	67.61	70.06	70.31	3.21	2.81	3.24	3.24	210.85	190.08	227.21	227.68	<b>0.47</b>	<b>0.20</b>	<b>37.60</b>	<b>19.78</b>
Brazil	40.77	42.83	43.85	43.85	3.53	3.05	3.52	3.52	143.77	130.76	154.13	154.13	<b>0.00</b>	<b>0.00</b>	<b>23.37</b>	<b>17.87</b>
Argentina	18.97	18.52	19.83	19.83	2.70	2.65	2.86	2.86	51.21	49.03	56.79	56.79	<b>0.00</b>	<b>0.00</b>	<b>7.76</b>	<b>15.83</b>
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	<b>0.00</b>	<b>0.00</b>	<b>5.81</b>	<b>134.43</b>
Bolivia	1.57	1.54	1.52	1.57	2.24	2.07	2.07	2.10	3.51	3.20	3.15	3.30	<b>0.15</b>	<b>4.76</b>	<b>0.10</b>	<b>3.22</b>
Uruguay	1.07	1.20	1.18	1.38	1.85	2.01	2.24	2.14	1.98	2.41	2.63	2.94	<b>0.32</b>	<b>12.02</b>	<b>0.53</b>	<b>22.11</b>
<b>China</b>	25.50	24.15	24.95	25.40	2.57	2.60	2.57	2.56	65.58	62.90	64.08	64.98	<b>0.90</b>	<b>1.40</b>	<b>2.07</b>	<b>3.30</b>
<b>South Asia</b>	42.23	41.62	43.72	43.42	0.96	1.06	1.03	1.03	40.55	43.98	45.21	44.86	<b>-0.35</b>	<b>-0.77</b>	<b>0.88</b>	<b>2.01</b>
India	39.15	38.70	40.55	40.25	0.96	1.04	1.02	1.02	37.55	40.29	41.37	41.02	<b>-0.35</b>	<b>-0.85</b>	<b>0.73</b>	<b>1.81</b>
Pakistan	2.72	2.55	2.80	2.80	0.94	1.27	1.21	1.21	2.57	3.25	3.40	3.40	<b>0.00</b>	<b>0.00</b>	<b>0.15</b>	<b>4.55</b>
<b>European Union</b>	11.10	11.01	11.73	11.89	2.59	2.80	2.72	2.58	28.76	30.78	31.86	30.73	<b>-1.13</b>	<b>-3.55</b>	<b>-0.05</b>	<b>-0.17</b>
<b>United Kingdom</b>	0.38	0.31	0.36	0.36	2.73	3.20	3.40	3.40	1.04	0.98	1.23	1.23	<b>0.00</b>	<b>0.00</b>	<b>0.24</b>	<b>24.87</b>
<b>Former Soviet Union - 12</b>	25.91	27.77	25.19	26.39	1.72	1.89	1.75	1.78	44.70	52.44	43.97	46.86	<b>2.89</b>	<b>6.57</b>	<b>-5.58</b>	<b>-10.64</b>
Russia	12.50	14.23	14.10	15.20	1.61	1.62	1.67	1.74	20.14	23.11	23.60	26.40	<b>2.80</b>	<b>11.86</b>	<b>3.29</b>	<b>14.25</b>
Ukraine	9.65	9.58	7.10	7.10	2.06	2.54	2.18	2.20	19.85	24.32	15.50	15.60	<b>0.10</b>	<b>0.65</b>	<b>-8.72</b>	<b>-35.84</b>
Uzbekistan	1.08	1.08	1.09	1.09	1.19	1.03	1.13	1.09	1.28	1.11	1.23	1.19	<b>-0.04</b>	<b>-3.18</b>	<b>0.08</b>	<b>7.23</b>
<b>Canada</b>	10.41	11.18	10.74	10.74	2.49	1.70	2.43	2.43	25.95	18.95	26.08	26.08	<b>0.00</b>	<b>0.00</b>	<b>7.12</b>	<b>37.59</b>
<b>Africa</b>	22.12	24.79	24.21	24.32	1.08	0.98	1.04	1.03	23.99	24.39	25.20	24.94	<b>-0.25</b>	<b>-1.01</b>	<b>0.56</b>	<b>2.28</b>
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	<b>0.00</b>	<b>0.00</b>	<b>0.41</b>	<b>7.37</b>
South Africa	1.36	1.66	1.75	1.82	1.98	1.90	1.81	1.60	2.69	3.16	3.16	2.91	<b>-0.26</b>	<b>-8.07</b>	<b>-0.26</b>	<b>-8.13</b>
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	<b>0.00</b>	<b>0.00</b>	<b>0.04</b>	<b>3.39</b>
<b>Southeast Asia</b>	3.25	3.21	3.18	3.18	1.36	1.36	1.38	1.38	4.42	4.38	4.37	4.37	<b>0.00</b>	<b>0.00</b>	<b>-0.01</b>	<b>-0.16</b>
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	<b>0.00</b>	<b>0.00</b>	<b>0.05</b>	<b>1.86</b>
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	<b>0.00</b>	<b>0.00</b>	<b>-0.04</b>	<b>-2.53</b>
<b>Australia</b>	2.94	3.70	4.00	4.00	1.93	2.19	1.78	1.96	5.69	8.10	7.13	7.83	<b>0.70</b>	<b>9.81</b>	<b>-0.27</b>	<b>-3.30</b>
<b>Turkey</b>	1.18	1.32	1.45	1.45	2.46	2.55	2.58	2.61	2.89	3.37	3.73	3.78	<b>0.05</b>	<b>1.34</b>	<b>0.41</b>	<b>12.20</b>
<b>Others</b>	1.70	1.74	1.81	1.81	2.18	2.10	2.17	2.08	3.70	3.65	3.93	3.77	<b>-0.16</b>	<b>-4.08</b>	<b>0.11</b>	<b>3.09</b>

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	128.66	130.43	134.14	134.48	2.86	2.70	2.92	2.92	368.44	352.74	391.40	392.79	1.40	0.36	40.05	11.35
<b>United States</b>	33.43	34.94	35.41	35.29	3.43	3.45	3.46	3.49	114.75	120.71	122.61	123.30	0.70	0.57	2.60	2.15
<b>Total Foreign</b>	95.23	95.50	98.73	99.19	2.66	2.43	2.72	2.72	253.70	232.04	268.79	269.49	0.70	0.26	37.46	16.14
<b>South America</b>																
Brazil	39.20	41.00	42.00	42.00	3.56	3.07	3.55	3.55	139.50	126.00	149.00	149.00	0.00	0.00	23.00	18.25
Argentina	16.47	16.00	17.00	17.00	2.81	2.75	3.00	3.00	46.20	44.00	51.00	51.00	0.00	0.00	7.00	15.91
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	1.40	1.43	2.32	2.14	2.14	2.17	3.32	3.00	3.00	3.10	0.10	3.33	0.10	3.33
Uruguay	0.91	0.98	1.10	1.10	1.88	2.07	2.27	2.27	1.71	2.02	2.50	2.50	0.00	0.00	0.48	23.76
<b>East Asia</b>																
China	9.88	8.40	8.90	9.35	1.98	1.95	1.97	1.97	19.60	16.40	17.50	18.40	0.90	5.14	2.00	12.20
Korea, South	0.06	0.06	0.06	0.06	1.47	1.71	1.73	1.73	0.08	0.09	0.10	0.10	0.00	0.00	0.00	1.06
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
<b>India</b>	12.92	12.50	12.70	12.70	0.81	0.95	0.91	0.91	10.45	11.90	11.50	11.50	0.00	0.00	-0.40	-3.36
<b>Canada</b>	2.04	2.13	2.10	2.10	3.12	2.94	2.86	2.86	6.36	6.27	6.00	6.00	0.00	0.00	-0.27	-4.34
<b>Former Soviet Union - 12</b>																
Russia	2.71	2.99	3.30	3.30	1.59	1.59	1.61	1.67	4.31	4.76	5.30	5.50	0.20	3.77	0.74	15.55
Ukraine	1.46	1.44	1.20	1.20	2.05	2.64	2.33	2.33	3.00	3.80	2.80	2.80	0.00	0.00	-1.00	-26.32
<b>European Union</b>	1.00	0.99	1.05	1.04	2.61	2.76	2.86	2.48	2.60	2.73	3.00	2.57	-0.43	-14.33	-0.16	-5.79
<b>Southeast Asia</b>																
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
<b>Serbia</b>	0.22	0.22	0.22	0.22	2.89	2.45	2.77	2.50	0.64	0.54	0.61	0.55	-0.06	-9.84	0.01	1.85
<b>Mexico</b>	0.16	0.19	0.19	0.19	1.58	1.57	1.58	1.58	0.25	0.29	0.30	0.30	0.00	0.00	0.01	3.45
<b>Africa</b>																
South Africa	0.83	0.93	1.00	1.00	2.29	2.27	2.00	2.00	1.90	2.10	2.00	2.00	0.00	0.00	-0.10	-4.76
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
<b>Middle East</b>																
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
<b>Others</b>	0.49	0.47	0.50	0.49	2.06	2.03	2.05	2.05	1.01	0.95	1.02	1.01	-0.01	-0.98	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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	30.86	31.76	32.75	32.21	1.32	1.32	1.34	1.33	40.77	41.80	43.78	42.85	-0.93	-2.13	1.05	2.52
<b>United States</b>	3.33	4.16	3.46	2.89	1.22	1.16	1.26	1.20	4.05	4.83	4.35	3.46	-0.89	-20.39	-1.37	-28.37
<b>Total Foreign</b>	27.54	27.60	29.29	29.33	1.33	1.34	1.35	1.34	36.71	36.97	39.44	39.39	-0.05	-0.11	2.42	6.56
<b>South Asia</b>																
India	13.29	12.15	13.20	13.20	0.88	0.86	0.88	0.88	11.72	10.40	11.68	11.68	0.00	0.00	1.27	12.25
Pakistan	2.20	2.00	2.20	2.20	0.89	1.30	1.22	1.22	1.95	2.60	2.69	2.69	0.00	0.00	0.09	3.35
<b>China</b>	3.25	3.10	3.15	3.15	3.50	3.41	3.42	3.42	11.37	10.58	10.78	10.78	0.00	0.00	0.20	1.85
<b>Former Soviet Union - 12</b>																
Uzbekistan	1.06	1.06	1.07	1.07	1.16	1.00	1.10	1.06	1.23	1.06	1.18	1.14	-0.04	-3.32	0.08	7.37
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	1.15	1.11	0.18	0.19	0.20	0.19	-0.01	-3.59	0.00	1.08
Kazakhstan	0.11	0.12	0.12	0.13	0.95	0.90	0.93	0.94	0.11	0.10	0.11	0.12	0.01	9.35	0.01	13.59
<b>South America</b>																
Brazil	1.37	1.60	1.60	1.60	2.62	2.49	2.70	2.70	3.59	3.98	4.32	4.32	0.00	0.00	0.33	8.33
Argentina	0.41	0.48	0.43	0.43	0.72	0.68	0.71	0.71	0.29	0.33	0.30	0.30	0.00	0.00	-0.03	-7.98
<b>Middle East</b>																
Turkey	0.35	0.45	0.53	0.53	2.71	2.76	2.67	2.67	0.95	1.24	1.40	1.40	0.00	0.00	0.16	13.13
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
<b>Australia</b>	0.28	0.60	0.55	0.55	3.06	2.75	3.00	3.00	0.84	1.65	1.65	1.65	0.00	0.00	0.00	0.00
<b>European Union</b>	0.34	0.32	0.33	0.33	1.59	1.58	1.54	1.54	0.54	0.51	0.51	0.51	0.00	0.00	0.00	-0.79
<b>Africa</b>																
Burkina Faso	0.56	0.60	0.65	0.65	0.47	0.45	0.45	0.45	0.26	0.27	0.29	0.29	0.00	0.00	0.03	9.43
Mali	0.17	0.72	0.74	0.74	0.51	0.56	0.55	0.55	0.08	0.40	0.41	0.41	0.00	0.00	0.01	1.49
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	0.58	0.58	0.27	0.28	0.27	0.27	0.00	0.00	-0.01	-4.98
Benin	0.62	0.64	0.68	0.68	0.78	0.73	0.77	0.77	0.48	0.47	0.52	0.52	0.00	0.00	0.05	11.09
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	0.21	0.24	0.39	0.33	0.43	0.34	0.09	0.08	0.09	0.08	-0.01	-9.89	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
<b>Mexico</b>	0.15	0.15	0.19	0.19	2.40	2.71	2.38	2.38	0.35	0.42	0.45	0.45	0.00	0.00	0.04	8.39
<b>Burma</b>	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
<b>Others</b>	0.63	0.69	0.81	0.81	0.81	0.71	0.70	0.70	0.51	0.49	0.57	0.57	0.00	0.00	0.08	16.77

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	29.93	30.84	29.95	29.66	1.68	1.63	1.70	1.70	50.26	50.37	50.86	50.50	-0.36	-0.70	0.13	0.27
<b>United States</b>	0.65	0.63	0.61	0.61	4.27	4.64	4.65	4.63	2.79	2.90	2.83	2.81	-0.02	-0.53	-0.09	-2.93
<b>Total Foreign</b>	29.28	30.21	29.34	29.05	1.62	1.57	1.64	1.64	47.47	47.47	48.03	47.69	-0.34	-0.71	0.22	0.46
<b>China</b>	4.73	4.75	4.80	4.80	3.80	3.85	3.81	3.81	17.99	18.31	18.30	18.30	0.00	0.00	-0.01	-0.04
<b>Africa</b>																
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	0.33	0.34	1.68	1.41	1.42	1.41	0.57	0.48	0.47	0.48	0.01	2.13	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	0.05	0.05	0.05	2.21	1.78	2.22	2.22	0.09	0.08	0.10	0.10	0.00	0.00	0.02	25.00
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
<b>South Asia</b>																
India	6.02	5.60	5.80	5.50	1.11	1.21	1.21	1.21	6.70	6.80	7.00	6.65	-0.35	-5.00	-0.15	-2.21
Pakistan	0.14	0.10	0.10	0.10	0.89	0.92	0.91	0.91	0.12	0.09	0.09	0.09	0.00	0.00	0.00	1.11
<b>Southeast Asia</b>																
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
<b>South America</b>																
Argentina	0.40	0.41	0.38	0.38	3.16	3.17	3.29	3.29	1.27	1.30	1.25	1.25	0.00	0.00	-0.05	-3.85
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
<b>Mexico</b>	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
<b>Others</b>	1.70	1.83	1.79	1.79	1.16	1.19	1.18	1.18	1.98	2.17	2.10	2.10	0.00	0.00	-0.07	-3.18

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	26.95	28.72	26.40	27.31	1.83	2.00	1.91	1.86	49.27	57.32	50.38	50.93	0.55	1.08	-6.39	-11.15
<b>United States</b>	0.67	0.50	0.65	0.65	2.01	1.72	1.94	1.94	1.35	0.86	1.25	1.25	0.00	0.00	0.39	45.31
<b>Total Foreign</b>	26.27	28.22	25.76	26.66	1.82	2.00	1.91	1.86	47.92	56.46	49.13	49.68	0.55	1.11	-6.78	-12.01
<b>Former Soviet Union - 12</b>																
Russia	8.35	9.61	9.20	9.70	1.59	1.62	1.68	1.75	13.27	15.57	15.50	17.00	1.50	9.68	1.43	9.17
Ukraine	7.00	7.10	4.60	4.60	2.01	2.46	2.07	2.07	14.10	17.50	9.50	9.50	0.00	0.00	-8.00	-45.71
Kazakhstan	0.75	0.94	0.90	1.05	1.13	1.10	1.11	1.05	0.84	1.03	1.00	1.10	0.10	10.00	0.07	6.59
<b>European Union</b>	4.44	4.36	4.55	4.72	2.00	2.37	2.31	2.06	8.90	10.34	10.50	9.70	-0.80	-7.62	-0.64	-6.20
<b>South America</b>																
Argentina	1.67	1.60	2.00	2.00	2.05	2.09	2.10	2.10	3.43	3.35	4.20	4.20	0.00	0.00	0.85	25.37
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	0.12	0.14	1.39	1.39	1.23	1.40	0.19	0.20	0.15	0.20	0.05	33.78	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
<b>China</b>	0.87	1.10	1.00	1.00	2.94	2.64	2.80	2.80	2.57	2.90	2.80	2.80	0.00	0.00	-0.10	-3.45
<b>South Asia</b>																
India	0.23	0.25	0.25	0.25	0.82	0.76	0.78	0.78	0.19	0.19	0.20	0.20	0.00	0.00	0.01	2.63
Pakistan	0.15	0.15	0.15	0.15	1.07	1.00	1.03	1.03	0.16	0.15	0.16	0.16	0.00	0.00	0.01	3.33
<b>Middle East</b>																
Turkey	0.72	0.76	0.79	0.79	2.17	2.30	2.34	2.41	1.56	1.75	1.85	1.90	0.05	2.70	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	9.00	7.00	6.00	6.00	0.01	0.01	0.01	0.01	0.00	0.00	0.01	71.43
<b>Africa</b>																
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	0.68	0.69	0.76	1.42	1.44	1.50	1.03	0.68	0.97	1.03	0.78	-0.26	-24.76	-0.20	-20.10
<b>Burma</b>	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
<b>Canada</b>	0.05	0.04	0.04	0.04	2.24	2.05	2.17	2.17	0.10	0.08	0.08	0.08	0.00	0.00	0.00	-4.88
<b>Australia</b>	0.02	0.02	0.02	0.02	1.50	1.67	1.22	1.22	0.03	0.03	0.02	0.02	0.00	0.00	-0.01	-26.67
<b>Others</b>	0.62	0.67	0.64	0.64	1.98	2.54	2.23	2.07	1.23	1.69	1.42	1.32	-0.10	-7.05	-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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
<b>World</b>	34.90	37.72	39.05	39.81	2.12	1.92	2.05	2.07	73.88	72.31	80.23	82.48	<b>2.25</b>	<b>2.80</b>	<b>10.17</b>	<b>14.06</b>
<b>United States</b>	0.73	0.85	0.78	0.78	2.16	1.46	2.10	2.10	1.58	1.24	1.63	1.63	0.00	0.00	0.39	31.35
<b>Total Foreign</b>	34.17	36.87	38.28	39.04	2.12	1.93	2.05	2.07	72.31	71.07	78.60	80.85	<b>2.25</b>	<b>2.86</b>	<b>9.78</b>	<b>13.76</b>
<b>European Union</b>	5.32	5.33	5.80	5.82	3.14	3.22	3.08	3.09	16.73	17.20	17.85	17.95	0.10	0.56	0.75	4.37
<b>United Kingdom</b>	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
<b>Switzerland</b>	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
<b>Canada</b>	8.33	9.01	8.60	8.60	2.34	1.40	2.33	2.33	19.49	12.60	20.00	20.00	0.00	0.00	7.40	58.73
<b>China</b>	6.77	6.80	7.10	7.10	2.08	2.16	2.07	2.07	14.05	14.71	14.70	14.70	0.00	0.00	-0.01	-0.10
<b>South Asia</b>																
India	6.70	8.20	8.60	8.60	1.27	1.34	1.28	1.28	8.50	11.00	11.00	11.00	0.00	0.00	0.00	0.00
Pakistan	0.23	0.30	0.35	0.35	1.43	1.37	1.33	1.33	0.33	0.41	0.47	0.47	0.00	0.00	0.06	13.41
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
<b>Former Soviet Union - 12</b>																
Russia	1.45	1.62	1.60	2.20	1.77	1.71	1.75	1.77	2.57	2.78	2.80	3.90	<b>1.10</b>	<b>39.29</b>	<b>1.13</b>	<b>40.54</b>
Ukraine	1.19	1.04	1.30	1.30	2.31	2.91	2.46	2.54	2.75	3.02	3.20	3.30	0.10	3.13	0.29	9.45
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	0.19	0.13	1.23	1.24	1.22	1.23	0.15	0.15	0.23	0.16	-0.07	-28.89	0.01	9.59
<b>Australia</b>	2.61	3.05	3.40	3.40	1.82	2.08	1.59	1.79	4.76	6.35	5.40	6.10	<b>0.70</b>	<b>12.96</b>	<b>-0.25</b>	<b>-3.94</b>
<b>South America</b>																
Chile	0.04	0.04	0.04	0.04	3.81	4.00	4.00	4.00	0.14	0.14	0.16	0.16	0.00	0.00	0.02	14.29
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
<b>Ethiopia</b>	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
<b>Others</b>	0.33	0.41	0.27	0.47	2.02	2.03	2.23	1.95	0.67	0.83	0.61	0.92	<b>0.32</b>	<b>51.72</b>	<b>0.10</b>	<b>11.46</b>

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month		From last year	
	MMT	Percent	MMT	Percent				
<b>Oilseed, Copra</b>								
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
<b>Oilseed, Palm Kernel</b>								
Indonesia	11.46	12.00	12.12	12.12	0.00	0.00	0.12	1.00
Malaysia	4.34	4.65	4.95	4.95	0.00	0.00	0.30	6.45
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	19.04	20.07	20.56	20.59	0.02	0.10	0.51	2.54
<b>Oil, Palm</b>								
Indonesia	43.50	45.30	46.50	46.50	0.00	0.00	1.20	2.65
Malaysia	17.85	18.30	19.80	19.80	0.00	0.00	1.50	8.20
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	0.52	0.60	0.08	15.38	0.03	5.26
Brazil	0.55	0.55	0.57	0.57	0.00	0.00	0.02	3.64
World	73.17	76.12	79.14	79.23	0.09	0.11	3.11	4.09

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. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	Prel. 2020/21	2021/22	2022/23 Proj. Jul	Aug	From last month MBales	Percent	From last year MBales	Percent
<b>World</b>	31.42	32.31	33.30	32.76	772	781	785	778	111.37	115.96	120.07	117.01	-3.05	-2.54	1.06	0.91
<b>United States</b>	3.33	4.16	3.46	2.89	957	918	975	949	14.61	17.52	15.50	12.57	-2.93	-18.90	-4.95	-28.27
<b>Total Foreign</b>	28.09	28.15	29.83	29.87	750	761	763	761	96.76	98.43	104.57	104.44	-0.12	-0.12	6.01	6.11
<b>South Asia</b>																
India	13.29	12.15	13.20	13.20	452	439	454	454	27.60	24.50	27.50	27.50	0.00	0.00	3.00	12.24
Pakistan	2.20	2.00	2.20	2.20	445	653	614	614	4.50	6.00	6.20	6.20	0.00	0.00	0.20	3.33
<b>China</b>	3.25	3.10	3.15	3.15	1,976	1,896	1,901	1,901	29.50	27.00	27.50	27.50	0.00	0.00	0.50	1.85
<b>South America</b>																
Brazil	1.37	1.60	1.60	1.60	1,720	1,633	1,769	1,769	10.82	12.00	13.00	13.00	0.00	0.00	1.00	8.33
Argentina	0.41	0.48	0.43	0.43	717	680	692	692	1.35	1.50	1.35	1.35	0.00	0.00	-0.15	-10.00
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
<b>Africa</b>																
Burkina Faso	0.56	0.60	0.65	0.65	372	351	352	352	0.95	0.96	1.05	1.05	0.00	0.00	0.09	9.38
Mali	0.17	0.72	0.74	0.74	396	432	427	427	0.30	1.43	1.45	1.45	0.00	0.00	0.02	1.40
Cote d'Ivoire	0.45	0.47	0.46	0.46	494	486	473	473	1.01	1.05	1.00	1.00	0.00	0.00	-0.05	-4.76
Benin	0.62	0.64	0.68	0.68	513	483	504	504	1.45	1.42	1.58	1.58	0.00	0.00	0.16	10.92
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	0.21	0.24	222	191	249	195	0.25	0.22	0.24	0.22	-0.03	-10.42	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
<b>Former Soviet Union - 12</b>																
Uzbekistan	1.06	1.06	1.07	1.07	647	555	610	590	3.15	2.70	3.00	2.90	-0.10	-3.33	0.20	7.41
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	640	615	0.46	0.48	0.50	0.48	-0.02	-4.00	0.01	1.05
Kazakhstan	0.11	0.12	0.12	0.13	534	502	521	523	0.27	0.27	0.28	0.30	0.03	9.09	0.04	13.21
<b>Middle East</b>																
Turkey	0.35	0.45	0.53	0.53	1,804	1,839	1,783	1,783	2.90	3.80	4.30	4.30	0.00	0.00	0.50	13.16
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
<b>Australia</b>	0.28	0.60	0.55	0.55	2,217	1,996	2,177	2,177	2.80	5.50	5.50	5.50	0.00	0.00	0.00	0.00
<b>Mexico</b>	0.15	0.15	0.19	0.19	1,532	1,725	1,518	1,518	1.02	1.22	1.33	1.33	0.00	0.00	0.11	8.61
<b>Burma</b>	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
<b>Others</b>	1.73	1.77	1.90	1.90	575	549	530	530	4.57	4.46	4.61	4.61	0.00	-0.04	0.16	3.50

World and Selected Countries and Regions

## TABLE 18

The table below presents 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.

### RELIABILITY OF PRODUCTION PROJECTIONS 1/

COMMODITY AND REGION	Root mean square error	90 percent confidence interval	Difference between forecast and final estimate				Years	
			Average	Smallest	Largest	Years		
						Below final	Above final	
			Percent				---Million metric tons---	
<b>WHEAT</b>								
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	
<b>COARSE GRAINS 2/</b>								
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	
<b>RICE (Milled)</b>								
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	
<b>SOYBEANS</b>								
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	
<b>COTTON</b>			---Million 480-lb. bales---					
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	
<b>UNITED STATES</b>			-----Million bushels-----					
<i>CORN</i>	6.5	10.9	375	1	1,096	24	17	
<i>SORGHUM</i>	7.8	13.2	32	1	108	22	19	
<i>BARLEY</i>	6.2	10.5	15	1	67	15	26	
<i>OATS</i>	9.8	16.4	13	0	57	7	33	

1/ Marketing years 1981/82 through 2020/21 for grains, soybeans, and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2021/22, and for 2021/22 the last month's estimate.

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

August 2022

Global Market Analysis, FAS, USDA