



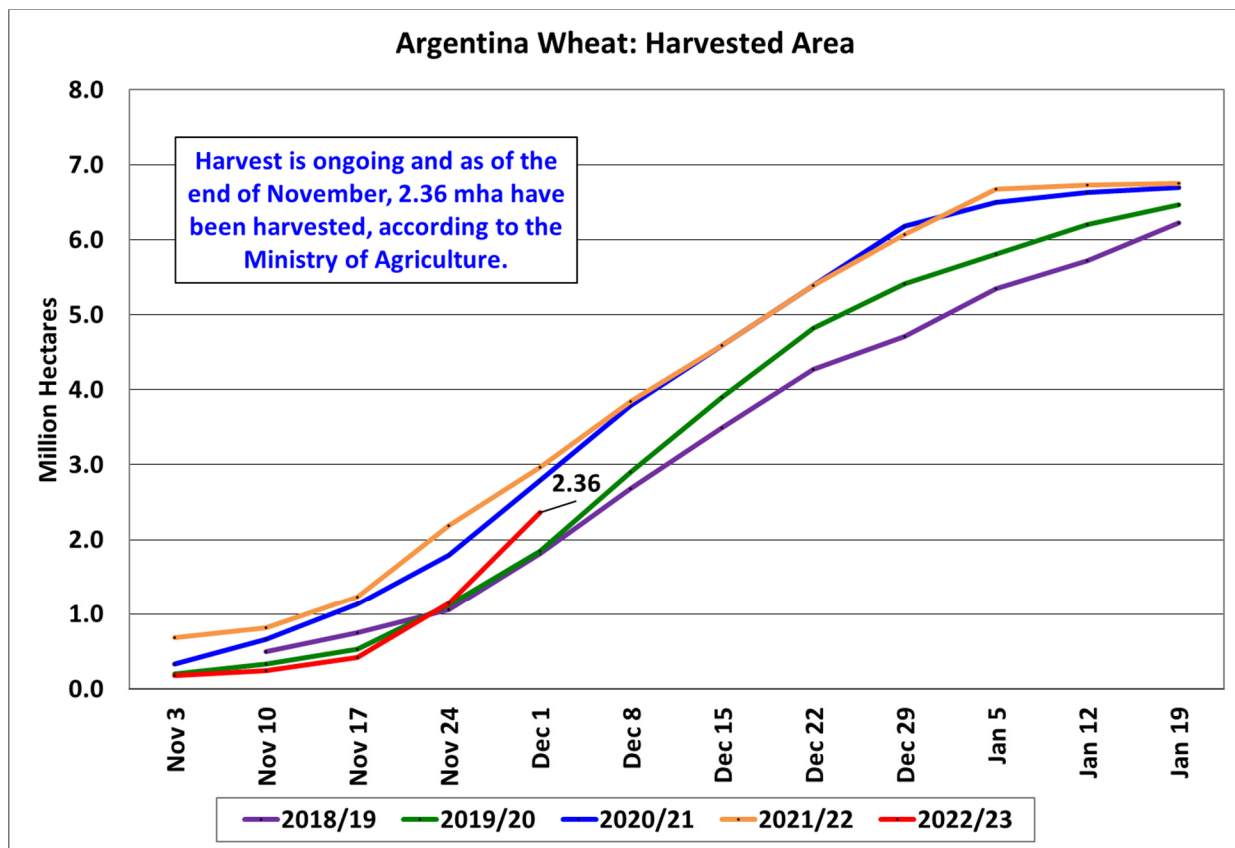
United States  
Department of  
Agriculture

Foreign  
Agricultural  
Service

# World Agricultural Production

Circular Series  
WAP 12-22  
December 2022

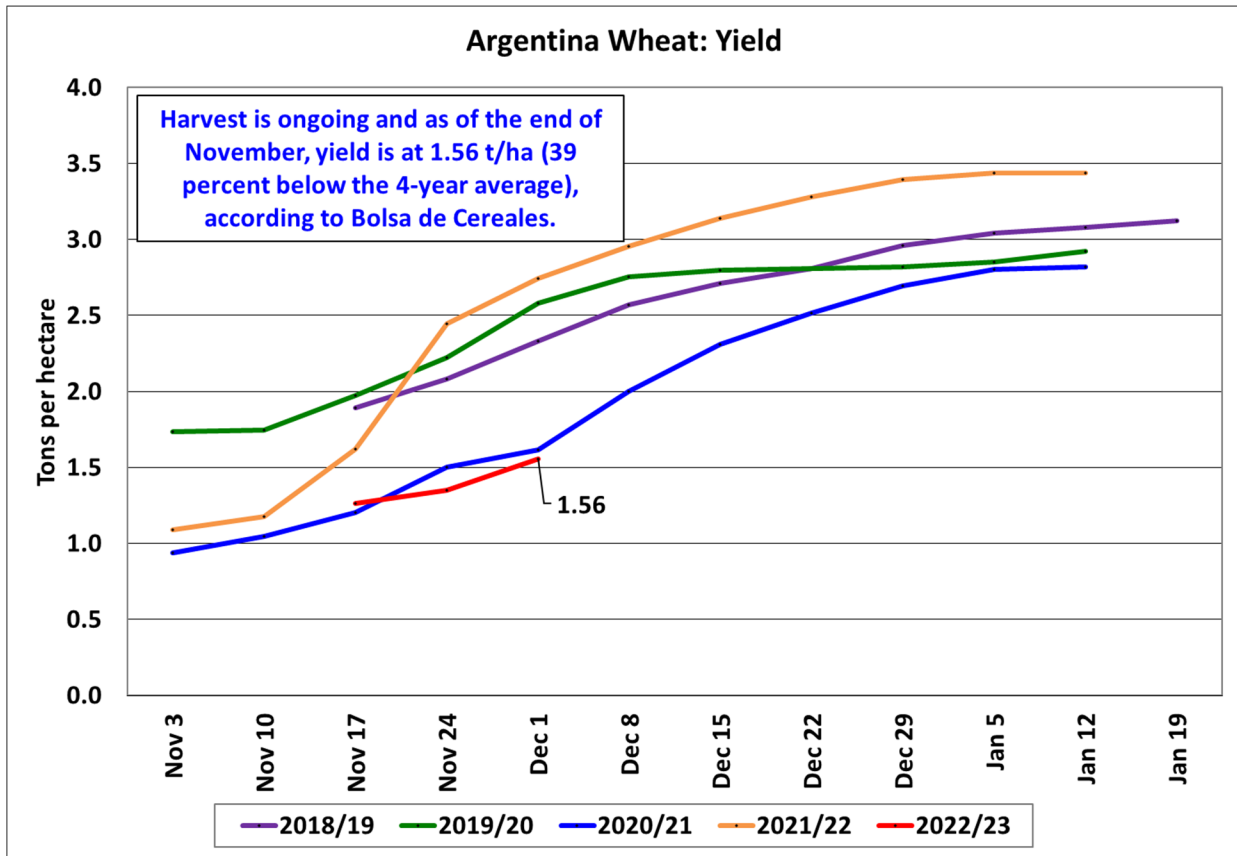
## Argentina Wheat: Production Lower Due to Drought



Source: Argentina Ministry of Agriculture

Argentina wheat production for marketing year 2022/23 is estimated at 12.5 million metric tons, down 19 percent from last month and 44 percent from last year. Wheat yield is estimated at 2.34 tons per hectare, down 13 percent from last month, and 31 percent from last year. Harvested area is estimated at 5.35 million hectares (mha), down 8 percent from last month, and down 18 percent from last year.

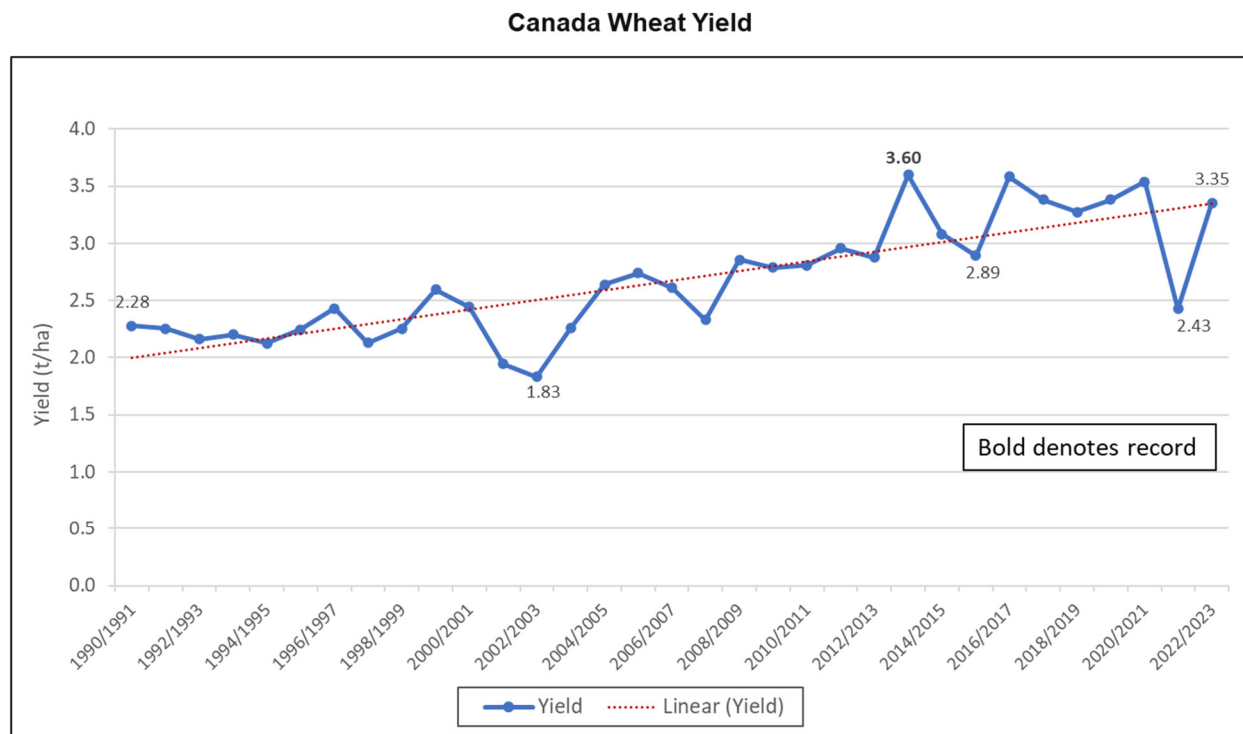
Approved by the World Agricultural Outlook Board



Source: Argentina Bolsa de Cereales Buenos Aires

Both area and yield are down month-to-month, because of continued below-average rainfall during November, which followed a dry September and October. Dry conditions occurred throughout southern Buenos Aires, Cordoba, and Santa Fe during these months, which together account for about 80 percent of total wheat production. Harvest has begun and, as of the end of November, 2.36 mha has been harvested, according to the Ministry of Agriculture. Yield results, as published by Bolsa de Cereales Buenos Aires, typically start low and increase as harvest progresses. Yield, as of the end of November, however, is 39 percent below the 4-year average. Harvest will continue until mid-January. (For more information, please contact [Katie.McGaughey@usda.gov](mailto:Katie.McGaughey@usda.gov).)

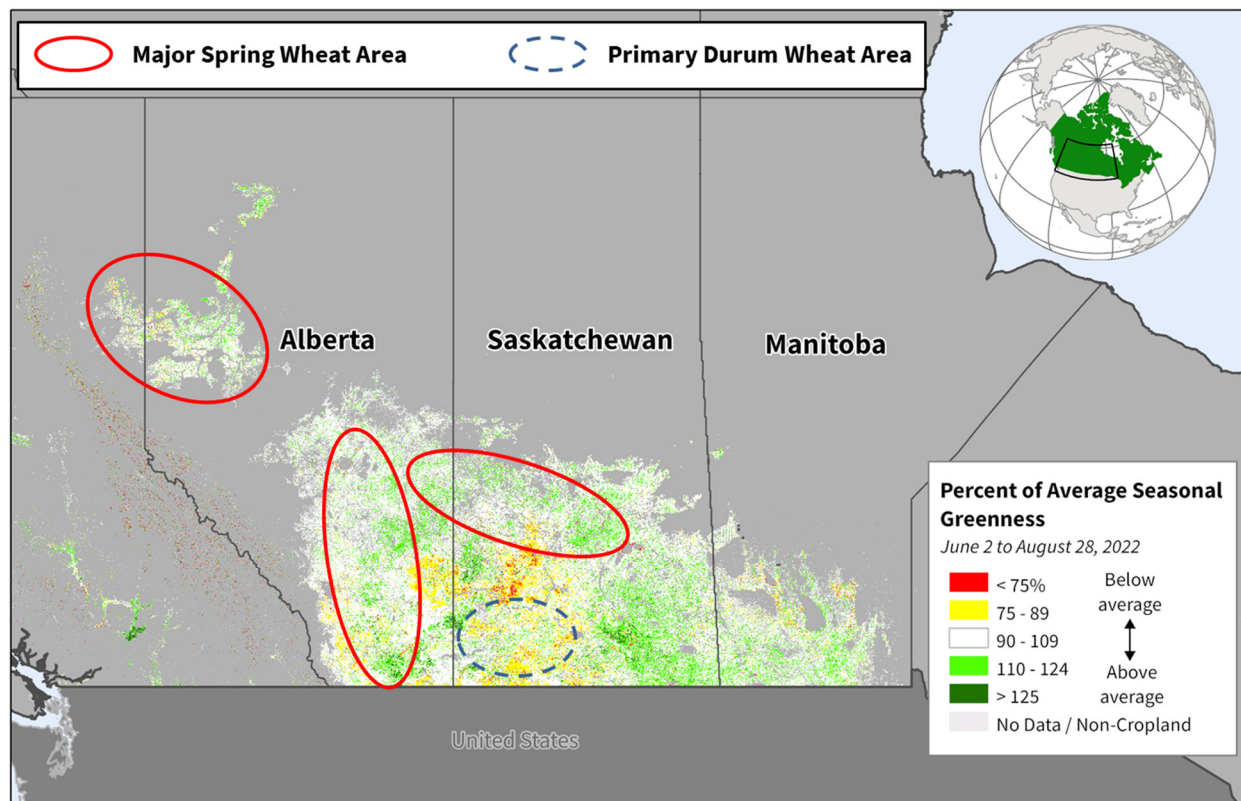
## Canada Wheat: Production Rebounds Year-to-Year on Improved Conditions and Higher Area



Source: USDA PSD Online

USDA estimates Canada wheat production for marketing year (MY) 2022/23 at 33.8 million metric tons (mmt), down 1.2 mmt or 3 percent from last month, but up 52 percent over last year and 10 percent above the 5-year average. Harvested area is estimated at 10.1 million hectares, up 1 percent from last month, 10 percent from last year, and 6 percent above the 5-year average. Yield is estimated at 3.35 metric tons per hectare (t/ha), down 4 percent from last month, but up 38 percent from last year and 5 percent above the 5-year average.

## Croplands in the Canadian Prairies: Summer 2022 Percent of Average Seasonal Greenness (PASG)



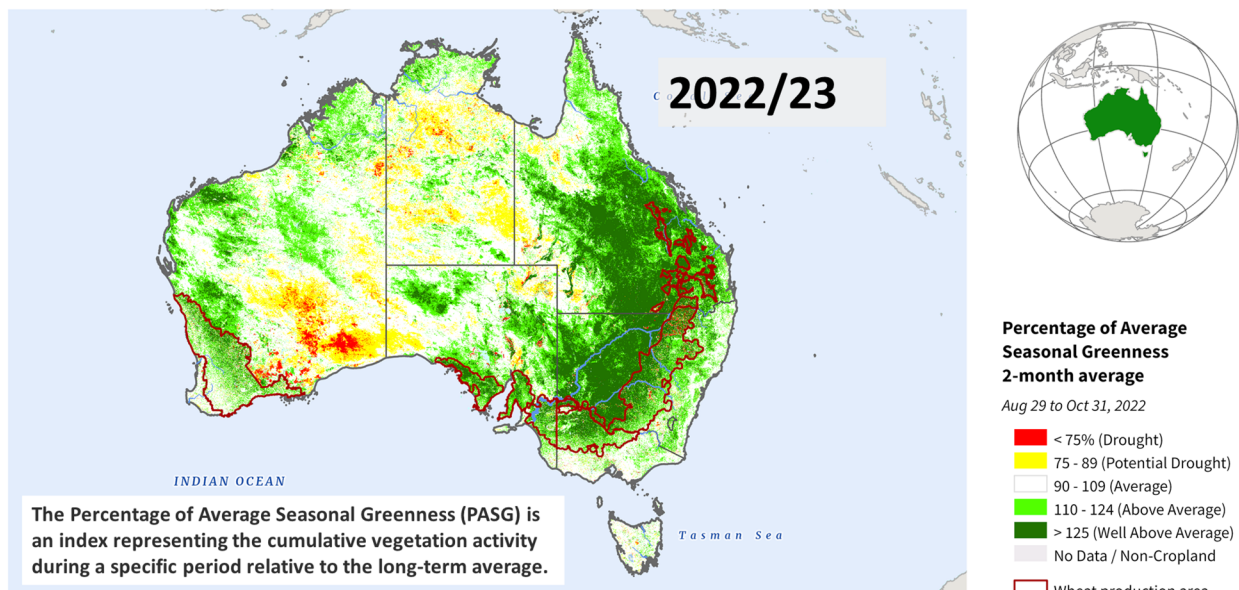
Sources: USDA/NASA, Percent of Average Seasonal Greenness (PASG) derived from MODIS NDVI, Global Agricultural Monitoring (GLAM) System; Agriculture and Agri-Food Canada (AAFC), Annual Crop Inventory 2021 Crop Mask

Statistics Canada (StatCan) recently published its November field crop production estimates, indicating a substantial rebound in wheat production from last year's crop, primarily on increased area and improved growing conditions in the Canadian Prairies. The satellite-derived Percent of Average Seasonal Greenness (PASG) analysis shows cumulative crop conditions through the summer growing season. The PASG highlights the normal to above-normal crop conditions in the major spring wheat growing areas. One exception, however, has been southwestern Saskatchewan, a primary durum wheat growing area, which received limited rainfall in July. The PASG shows the below-average crop conditions in this area. Durum wheat yields, as reported by StatCan, were 16 percent below average (omitting MY 2021/22 as an outlier due to drought). Whereas spring wheat yields were slightly above average. Durum wheat accounts for 16 percent of the total wheat crop. (For more information, please contact [Aaron.Mulhollen@usda.gov](mailto:Aaron.Mulhollen@usda.gov).)



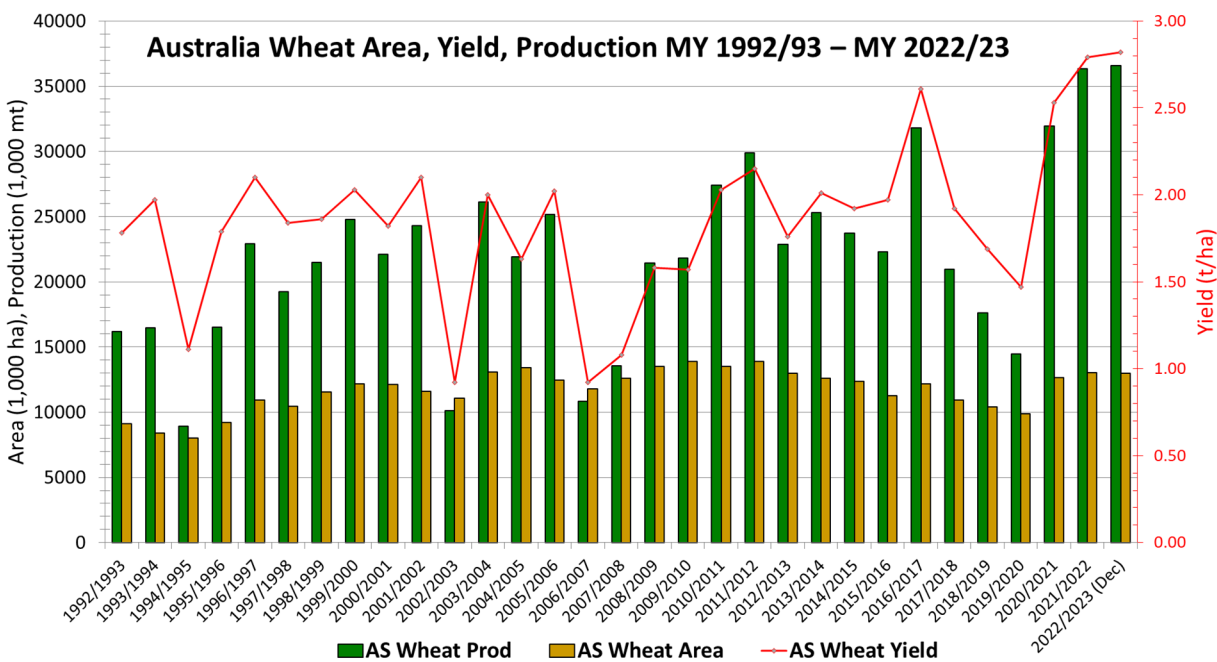
## Australia Wheat: Record Production

### Australia: Percent of Average Seasonal Greenness



Sources: NASA MODIS 2-month Percent of Average Seasonal Greenness (PASG); CSIRO/QAAFI/FAS

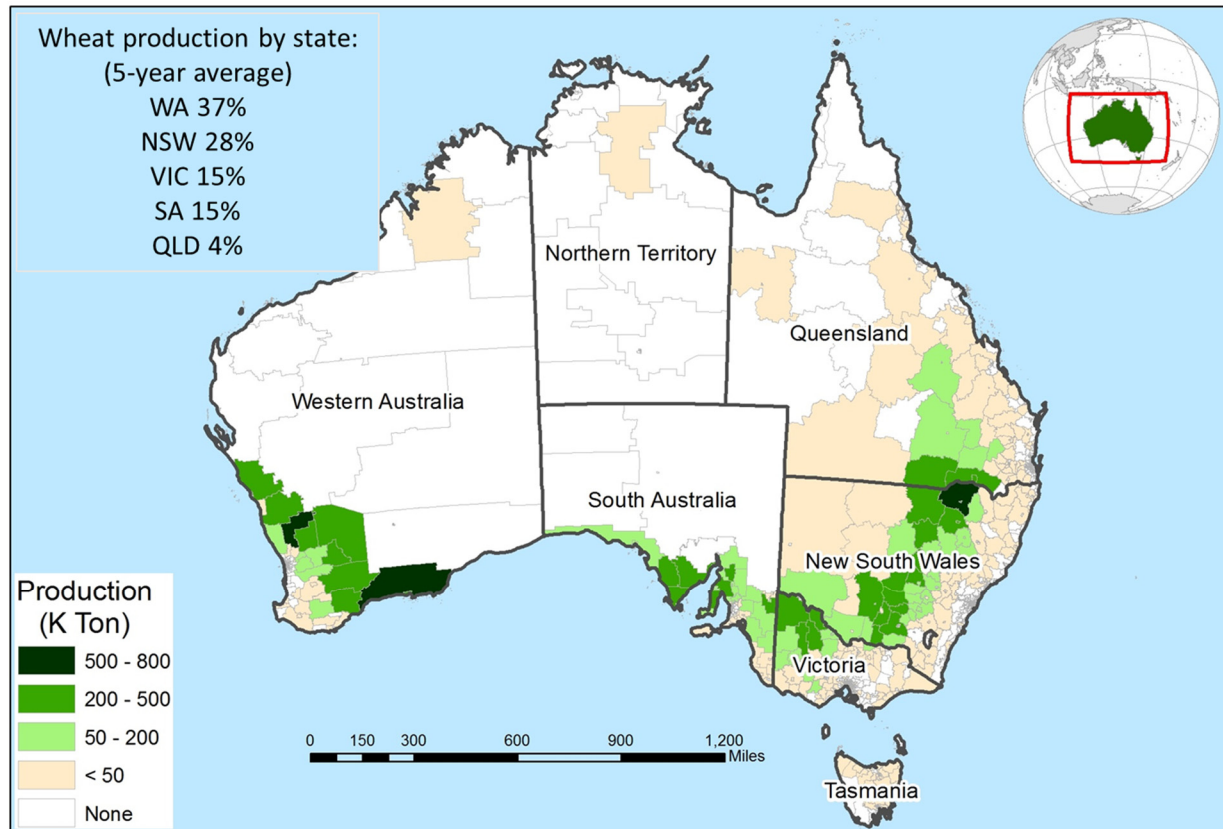
USDA estimates Australia marketing year (MY) 2022/23 wheat production at a record 36.6 million metric tons (mmt), up 2.1 mmt or 6 percent from last month, and up 0.25 mmt or 1 percent from last year. Harvested area is estimated at 13.0 million hectares (mha), down 0.1 mha from last month, and down slightly from last year.



Source: USDA PSD Online

The crop stage of reproduction (flowering) occurs September to early-October. Satellite-derived Percentage of Average Seasonal Greenness (PASG) for this critical time period reveals above-average greenness in the wheat areas of all producing states. Favorable weather across the major Australian winter grain belt provided near perfect conditions for plant establishment, reproduction, and grain fill, resulting in an estimated record wheat yield of 2.82 tons per hectare, up 7 percent from last month and 1 percent above the previous record of 2.79 t/ha in MY 2021/22.

## Australia: Wheat Production



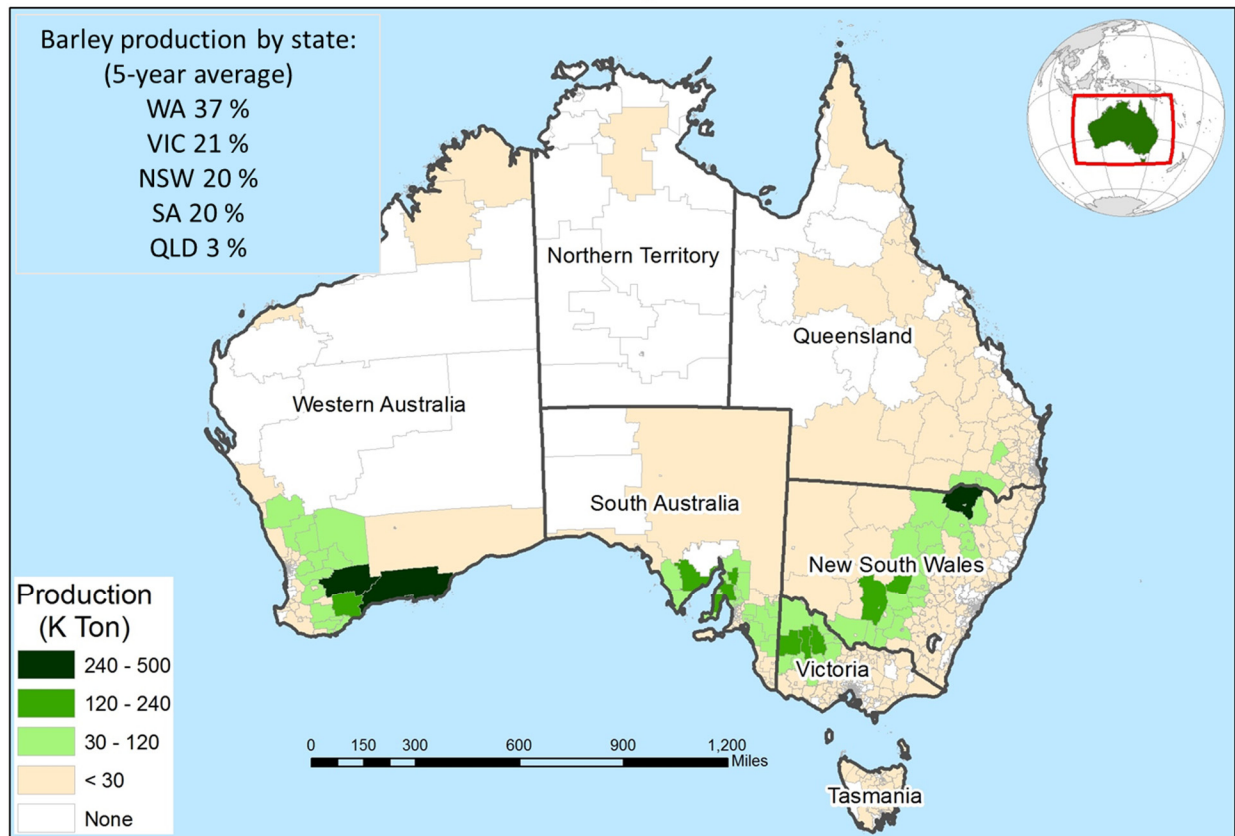
Data Source: ABS Ag Census with 2016 SLA boundaries (SA2)  
Average production of 2005/06, 2010/11 and 2015/16

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The revisions were made based in part on the recently released official government estimates from the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES). *(For more information, please contact [James.Crutchfield@usda.gov](mailto:James.Crutchfield@usda.gov).)*

## Australia Barley: Production Revised Higher

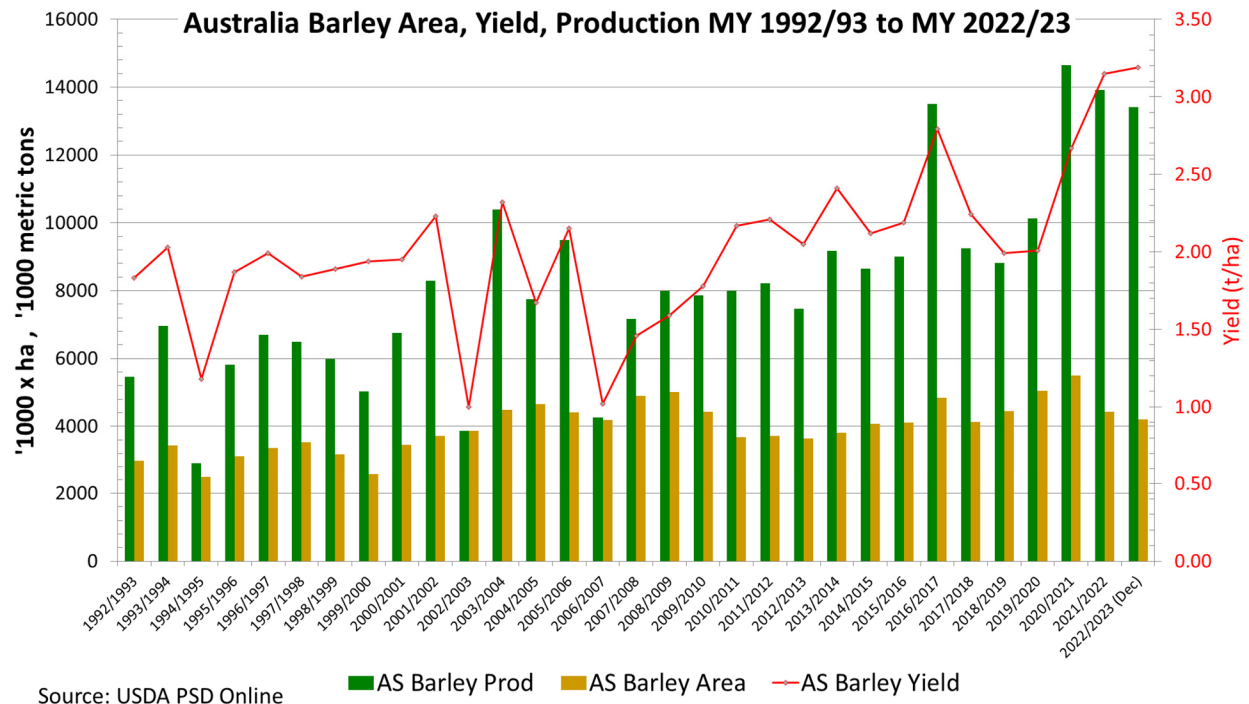
### Australia: Barley Production



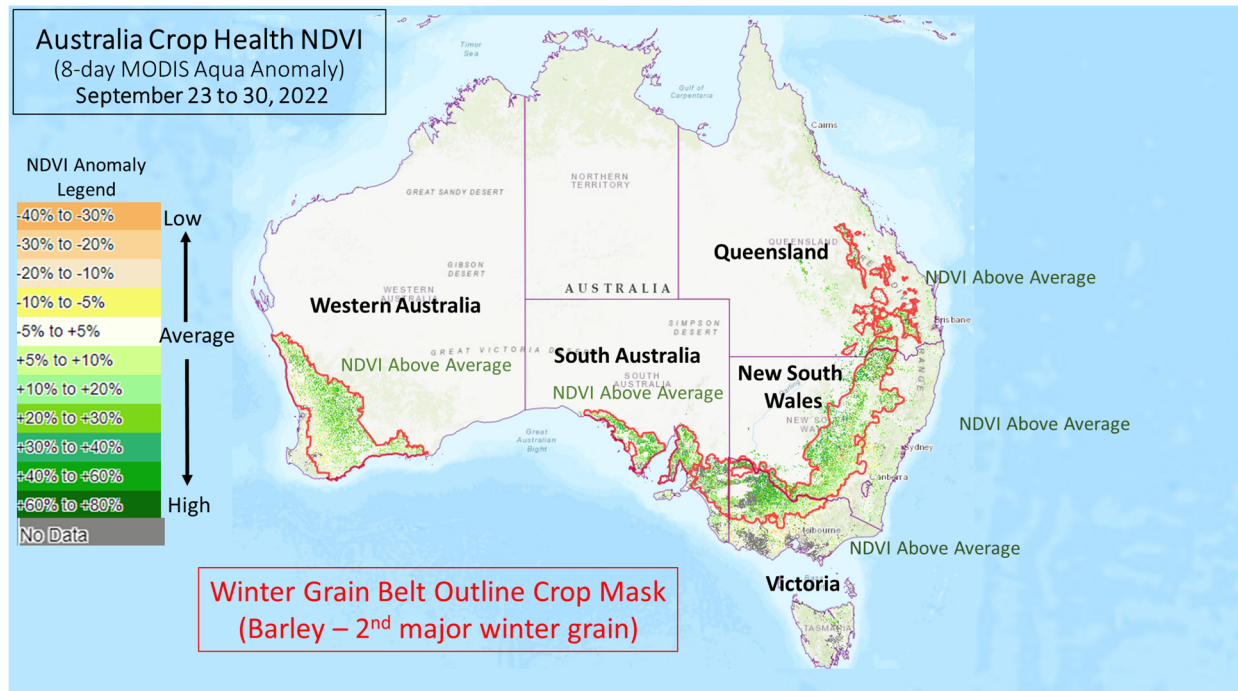
Data Source: ABS Ag Census with 2016 SLA boundaries (SA2)  
Average production of 2005/06, 2010/11 and 2015/16

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USDA estimates Australia marketing year (MY) 2022/23 barley production at 13.4 million metric tons (mmt), up 0.7 mmt or 6 percent from last month, and down 0.5 mmt or 4 percent from last year. Harvested area is estimated at 4.2 million hectares (mha), unchanged from last month, but down 0.2 mmt or 5 percent from last year.



The reproduction crop stage (flowering) occurs mid-September to early-October. Satellite-derived Normalized Difference Vegetation Index (NDVI) from this critical time depicts well above-average crop health, especially in the barley belt of Western Australia, Victoria, and New South Wales.



Favorable weather across the Australian winter grain belt provided near perfect conditions for plant establishment, reproduction, and grain fill, resulting in an estimated record barley yield of



3.19 tons per hectare, up 6 percent from last month and 1 percent above the previous record of 3.15 t/ha in MY 2021/22. The revisions were made based on the recently released official government estimates from the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES). *(For more information, please contact [James.Crutchfield@usda.gov](mailto:James.Crutchfield@usda.gov).)*

### **Panama Rice: Production Estimates Lowered Compared to Last Year**

Panama's rough rice production for marketing year 2022/23 is estimated at 345,000 metric tons (mt), down 35,000 mt (about 9 percent) from last year. Milled production is estimated at 224,000 mt. Harvested area is estimated at 90,000 hectares (ha), down 2,000 ha (about 2 percent) from last month and 4,000 ha (about 4 percent) from last year. Yield is estimated at 3.83 metric tons per hectare, down about 5 percent from last year.

### **Rice Field in Coclé, Panama**

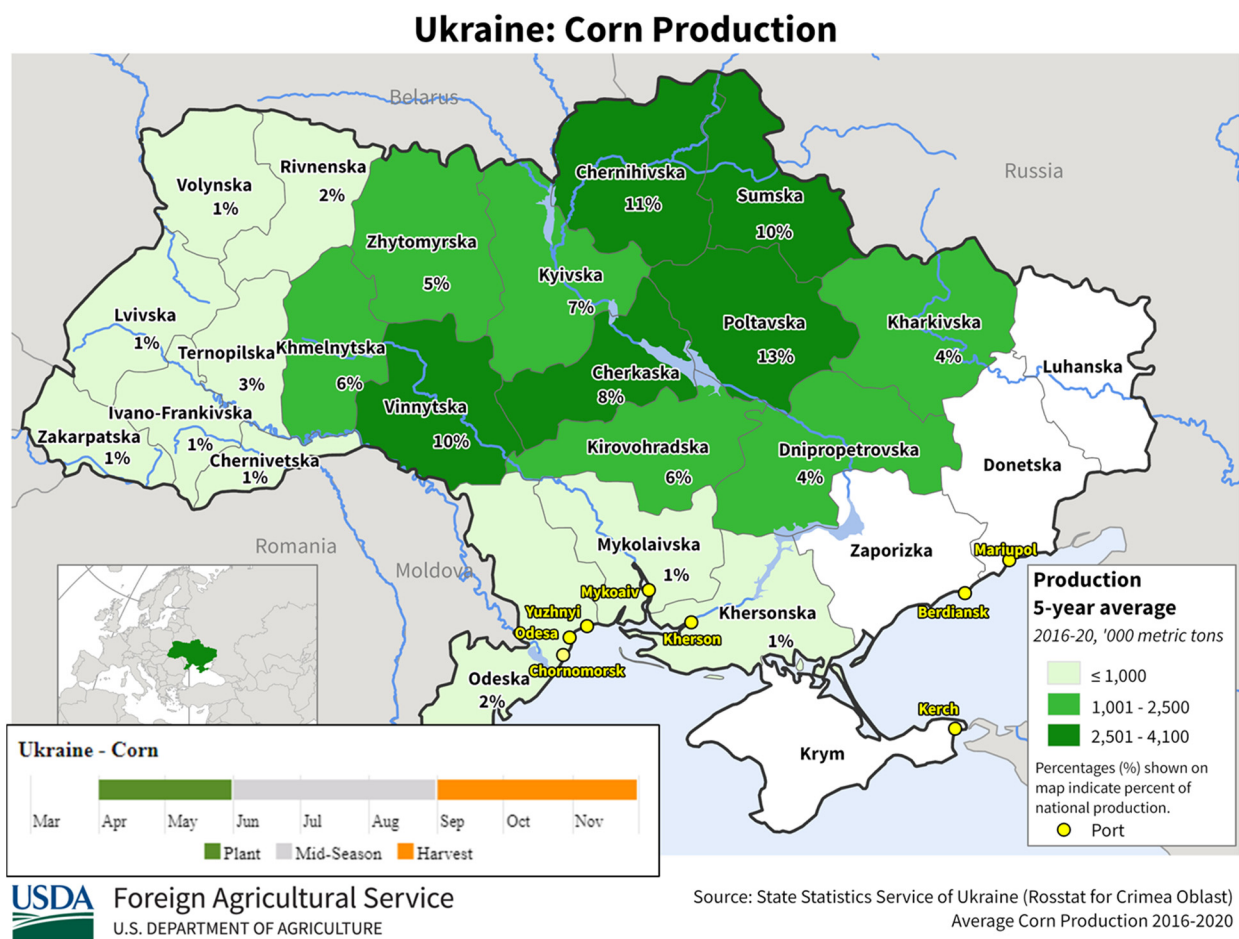


Source: FAS Photo, taken on November 17, 2022, by Ifeoma Collins

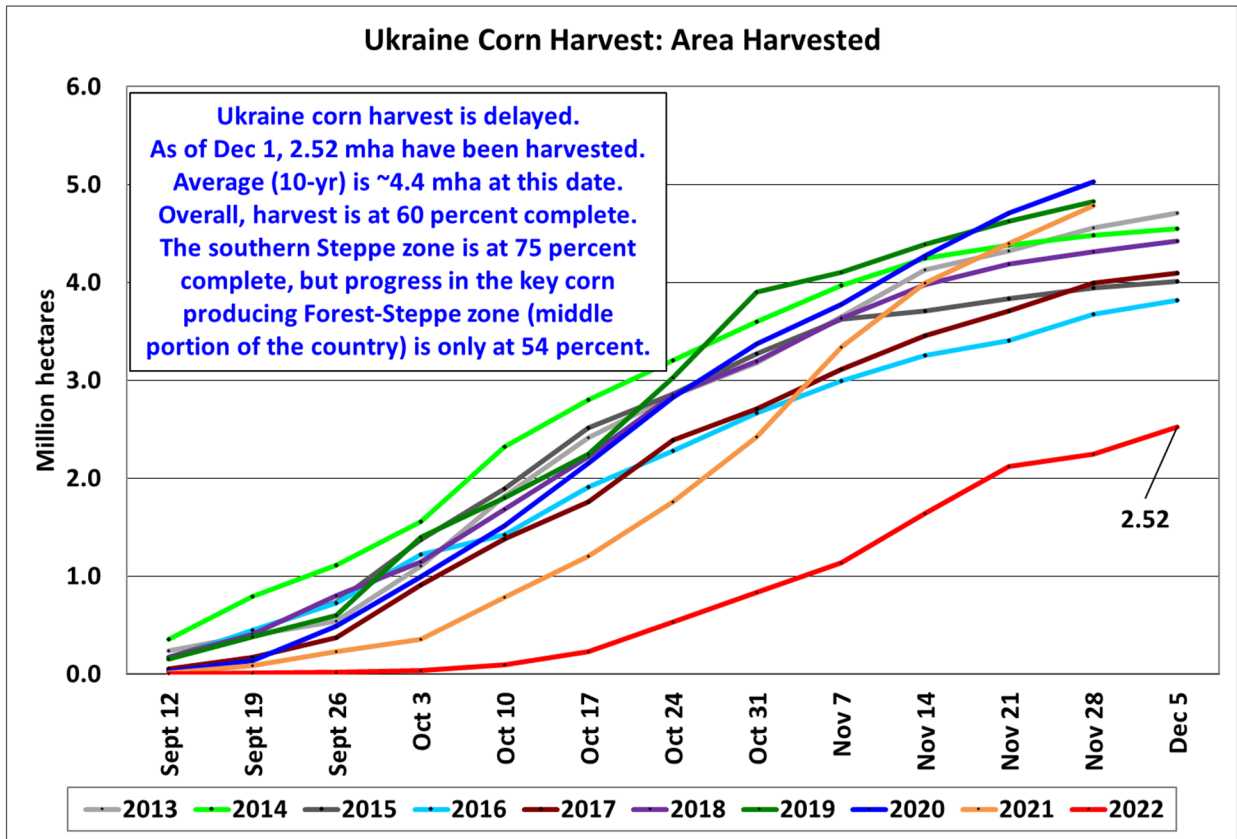
The main rice producing provinces in Panama include Chiriquí, Panamá, Veraguas, Coclé, Los Santos, and Darién. Approximately 92 percent of the crop is rainfed. The main rice crop is planted from July to September and harvested from November to January. The minor rice crop is planted in April and May and harvested from August to October.

High costs of agricultural inputs have led to lower planted rice area this year. Yields are also lower than last year due to both excess rains and drought conditions. As of November 2022, the Ministry of Agricultural Development (MIDA) has reported 81,871 ha of planted rice out of a goal of 90,000 ha. Harvest has started and 34,500 ha has been harvested. FAS production analysts traveled with FAS/Panama City representatives to assess Panama rice areas in mid-November 2022. (For more information, please contact [lfeoma.Collins@usda.gov](mailto:lfeoma.Collins@usda.gov).)

### Ukraine Corn: Poor Weather and the Conflict Delay Harvest



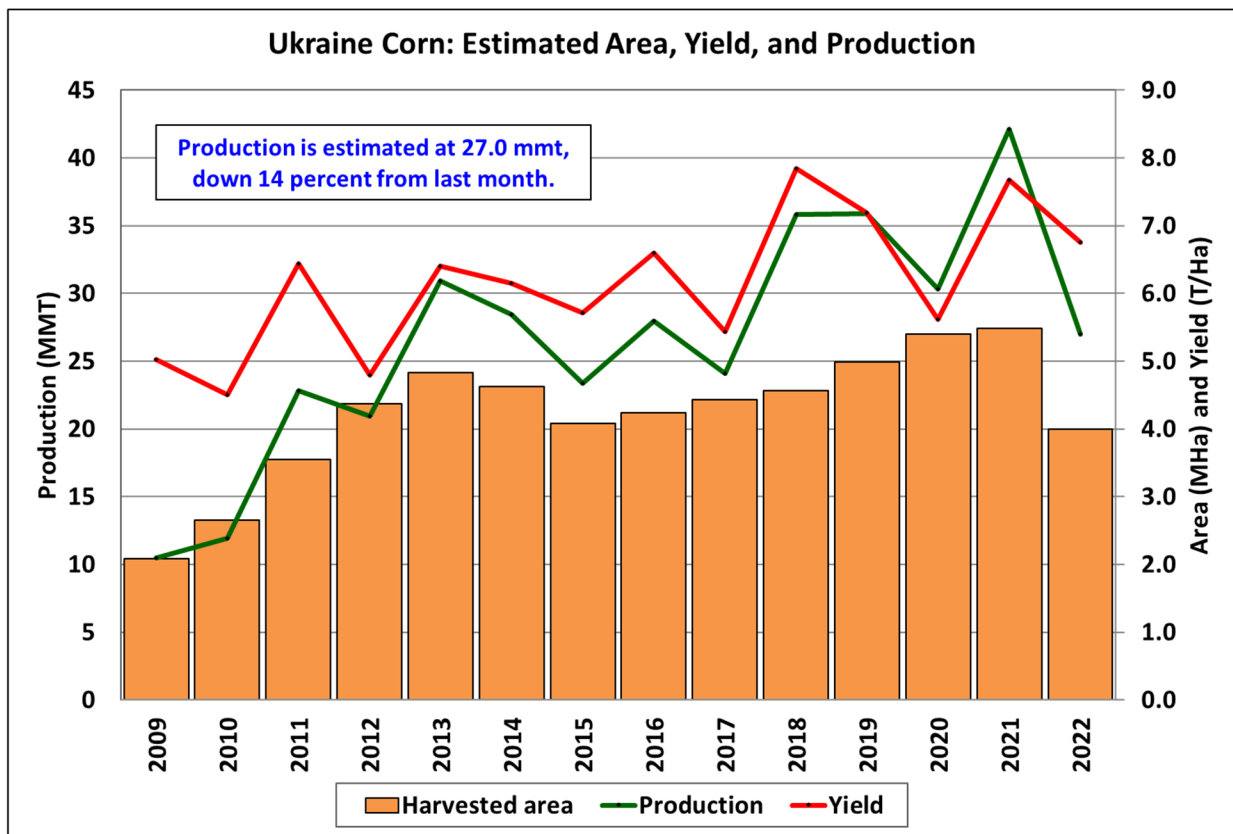
Ukraine corn production for marketing year 2022/23 is estimated at 27.0 million metric tons, down 14 percent from last month and 36 percent from last year. Yield is estimated at 6.75 tons per hectare, down 4 percent from last month and 12 percent from last year. Harvested area is estimated at 4.0 million hectares, down 11 percent from last month and 27 percent from last year.



Source: Ukraine Ministry of Agriculture

Production is down month-to-month based on harvest data from the Ukrainian Ministry of Agriculture (MinAg). As of December 1<sup>st</sup>, MinAg reported that harvest is at 60 percent complete. Unfavorable weather and the ongoing conflict are the two main reasons for the slow harvest speed. Abnormally wet October and November prevented farmers from entering the fields on time and delayed the harvest of all summer crops, including corn. Additional limitations imposed by the conflict such as insufficient manpower, high fuel cost, transportation problems, access to storage facilities, among other problems, further slowed the corn harvest.



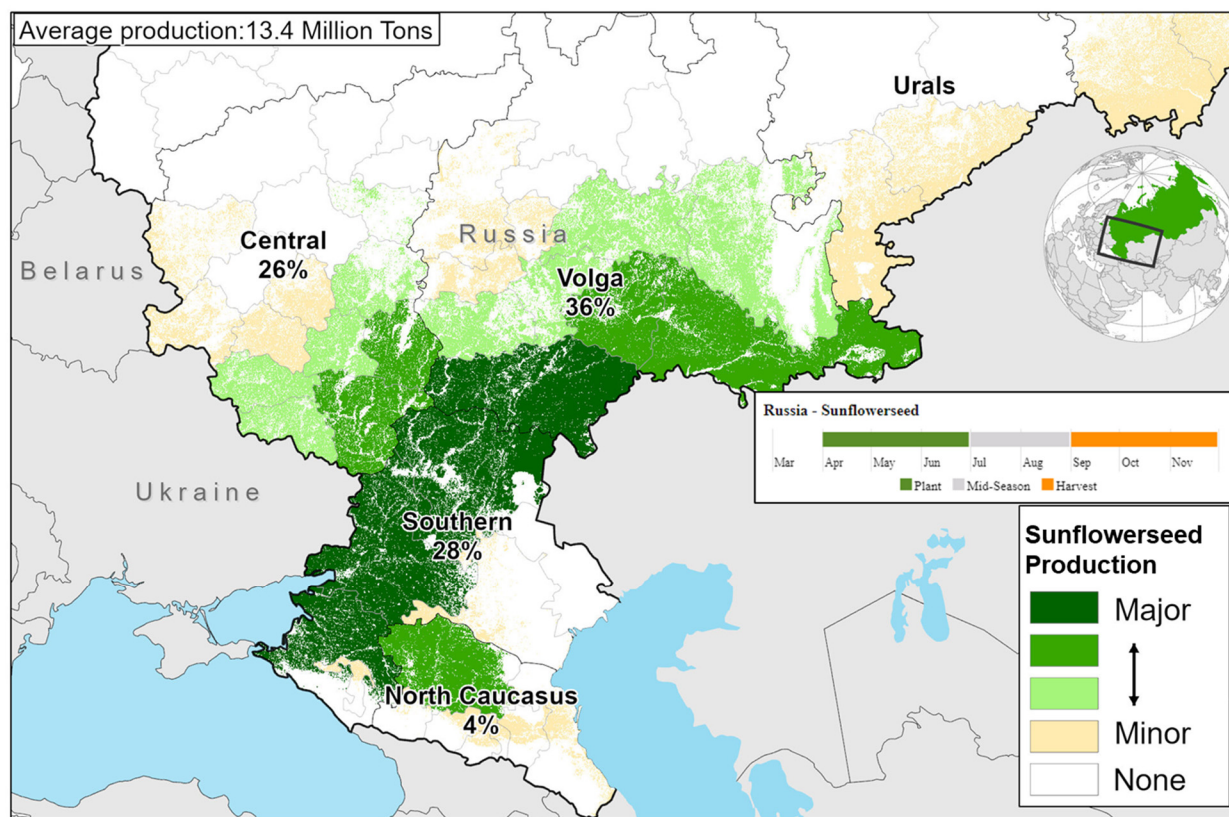


Source: USDA PSD Online

At this stage of the season, it is expected that some of this year's crop will be left in the fields during the winter and may be harvested in the spring. This may help with drying the crop out, but it will most likely cause yield losses. It is necessary for the crop to be dry for it to be stored. USDA crop production estimates for Ukraine include estimated output from Crimea. *(For more information, please contact [Iliana.Mladenova@usda.gov](mailto:Iliana.Mladenova@usda.gov).)*

## Russia Sunflowerseed: Unfavorable Weather Slows Harvest

### Russia: Sunflowerseed Production

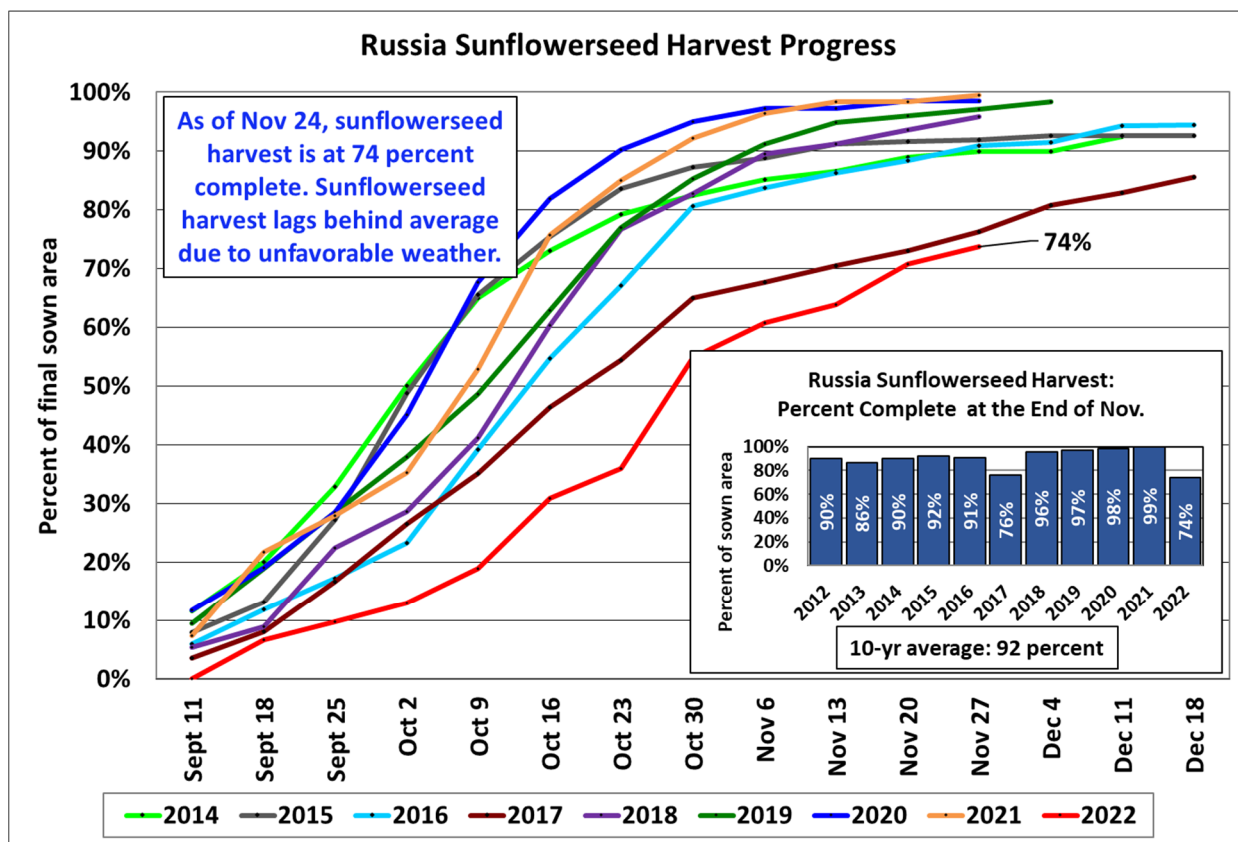


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Data Source: Rosstat, Average Crop Production 2017-2021;  
GFSAD 30 m crop cover (2015)

Russia sunflowerseed production for marketing year (MY) 2022/23 is estimated at 16.5 million metric tons, down 3 percent from last month, but up 6 percent from last year. Yield is estimated at 1.76 tons per hectare, unchanged from last month but up 8 percent from last year. Harvested area is estimated at 9.4 million hectares (mha), down 3 percent from last month and 2 percent from last year.

Area is lowered month-to-month based on harvest progress data from the Russian Ministry of Agriculture (MinAg). As of November 24<sup>th</sup>, 7.4 mha has been harvested (74 percent complete). Above-average precipitation during the months of October and November slowed down harvest and caused harvest delays. Sunflowerseed area abandonment the last four years has been minimal (less than 1 percent). This season, however, the abnormally wet weather caused higher than average area abandonment.



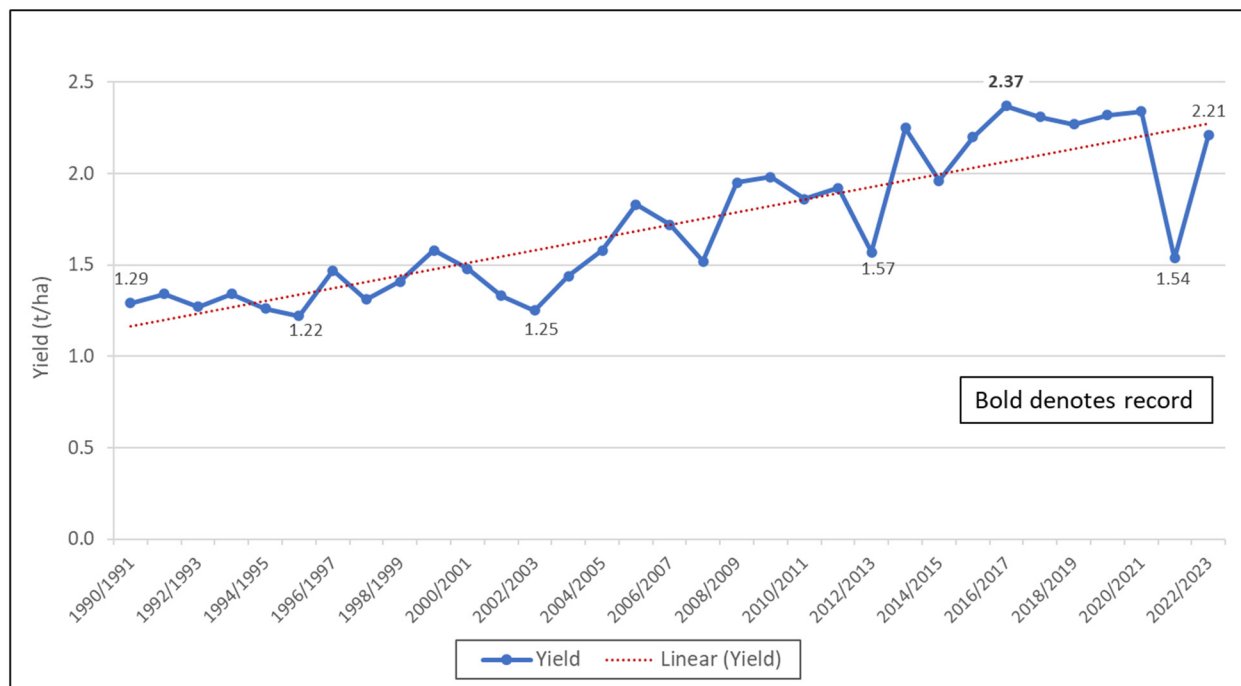
Source: Russian Ministry of Agriculture

Despite this month's decrease in harvested area, it is estimated to be a near-record after last year's record of 9.6 mha. USDA crop production estimates for Russia exclude estimated output from Crimea. (For more information, please contact [Iliana.Mladenova@usda.gov](mailto:Iliana.Mladenova@usda.gov).)

## Canada Rapeseed: Production Revised Down from Last Month on Below-Average Yield in Saskatchewan

USDA estimates Canada rapeseed production for marketing year (MY) 2022/23 at 19.0 million metric tons (mmt), down 3 percent from last month, but up 38 percent from last year. Harvested area is estimated at 8.6 million hectares, unchanged from last month, but down 4 percent from last year, and 3 percent below the 5-year average. Yield is estimated at 2.21 metric tons per hectare (t/ha), down 3 percent from last month, but up 44 percent from last year. This represents a slightly below-average yield when omitting last year's drought-ravaged crop.

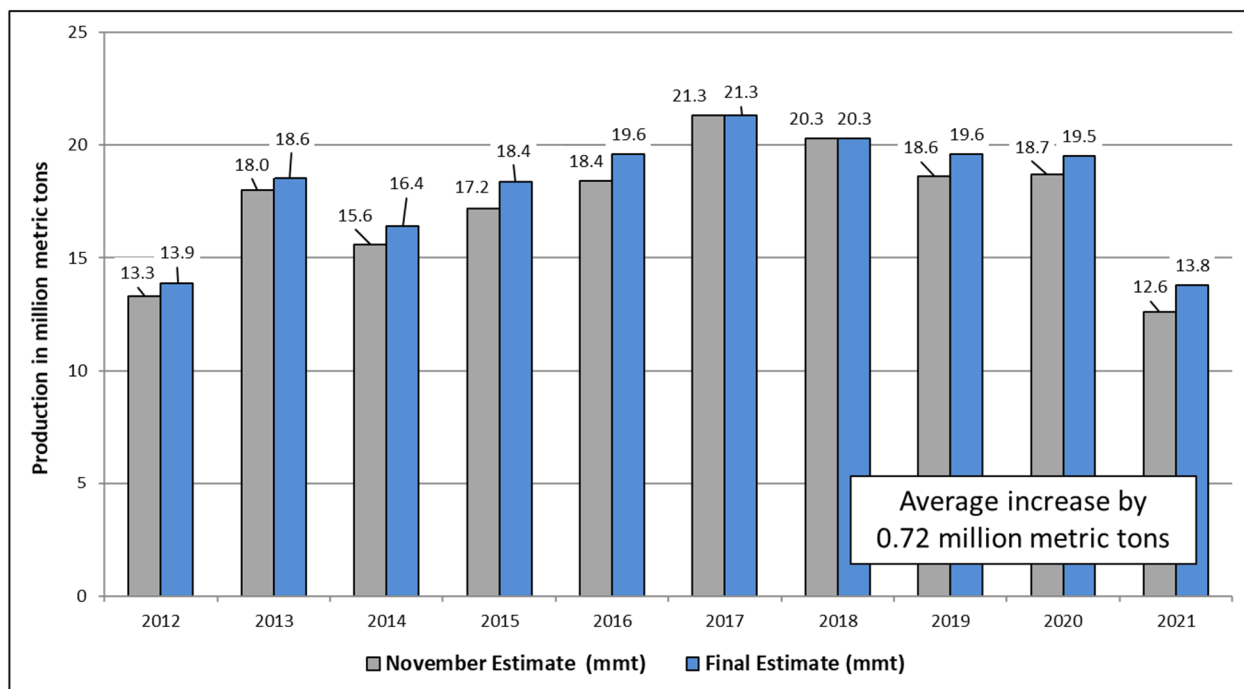
Canada Rapeseed Yield



Source: USDA PSD Online

Statistics Canada (StatCan) recently published its November field crop production estimates indicating lower area, but substantial year-to-year increases in yield and production due to improved crop conditions in the Prairies after last season's historic drought. Yields roughly returned to normal, though dryness in southwestern Saskatchewan likely tempered overall yield potential.

## Statistics Canada Annual Adjustments to Rapeseed Production after the November Estimate

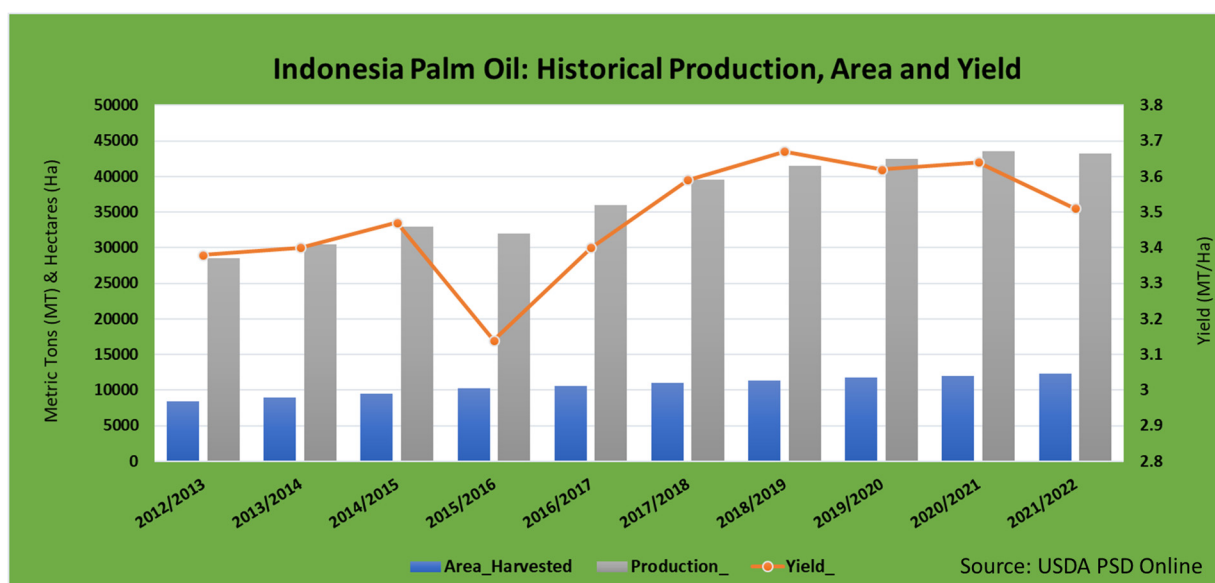


Source: Statistics Canada

StatCan typically makes upward adjustments to its rapeseed production estimates after their November report is published, often in August of the subsequent year. Thus, their estimate of 18.2 mmt likely remains preliminary. USDA's current estimate accounts for this tendency. *(For more information, please contact [Aaron.Mulhollen@usda.gov](mailto:Aaron.Mulhollen@usda.gov).)*

## Indonesia Palm Oil: MY 2021/22 Estimated Production Lower than Expected

USDA estimates Indonesia palm oil production for market year (MY) 2021/22 at 43.2 million metric tons, down 5 percent from last month and down 1 percent from MY 2020/21. The harvested area estimate remains unchanged at 12.3 million hectares, but it is up 3 percent from the previous year. Yield is estimated at 3.51 tons per hectare, down 5 percent from last month, and down 4 percent from the previous year.



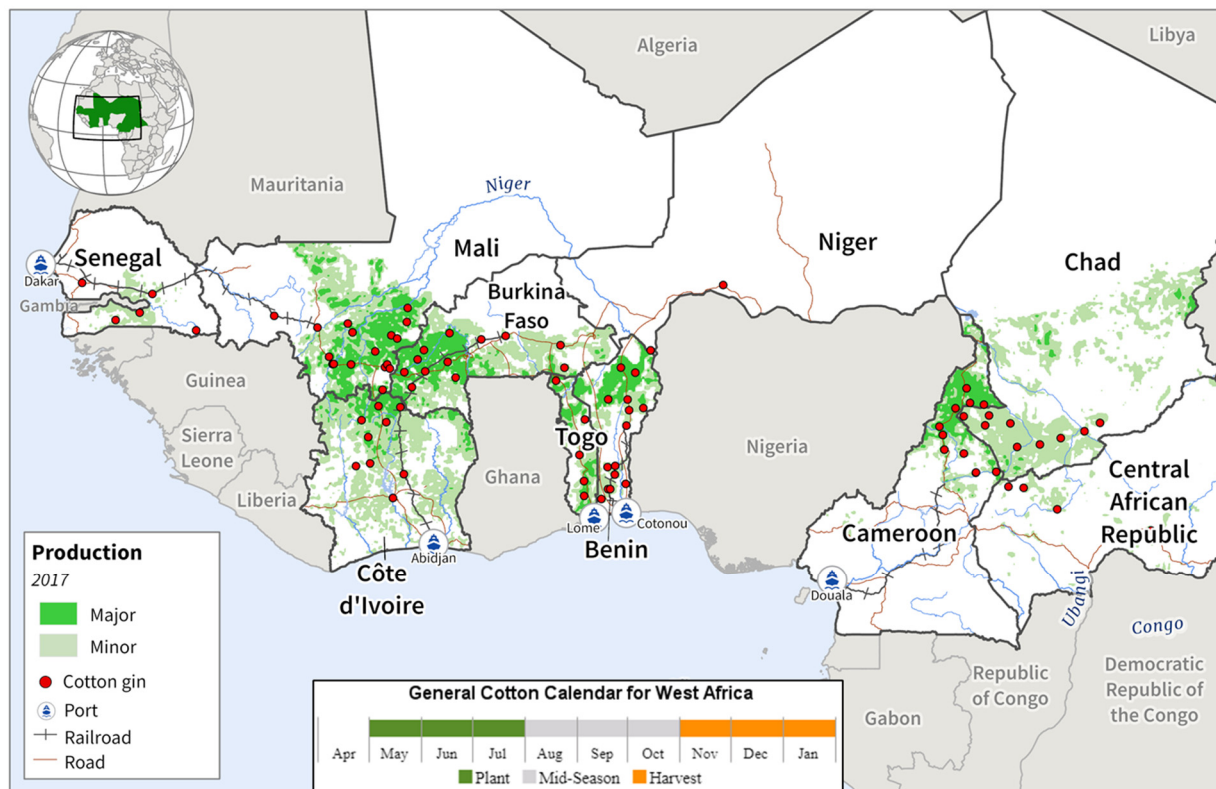
In late April 2022, the Indonesian government enacted an export ban policy that lasted three weeks, which restricted the export of crude palm oil as a measure to curb high domestic palm oil prices. This resulted in a higher-than-expected negative impact on crude palm oil production. The export ban halted Indonesia’s palm oil sector, which caused significant delays to harvest, most notably to the smallholders who make up 40 percent of the national palm oil production. Low prices for fresh fruit bunches (FFB) fell below the cost to harvest, leading to reduced revenue. This inhibited smallholders from obtaining buyers and resulted in palm oil production losses as many FFB did not reach the mills for processing. The export ban also resulted in palm oil processing mill closures due to storage capacity limitations, which further led to FFB price declines. *(For more information, please contact [Justin.Jenkins@usda.gov](mailto:Justin.Jenkins@usda.gov).)*

### African Franc Zone Cotton: Production Prospects Decline from Heavy Insect Infestations

USDA estimates African Franc Zone cotton production for marketing year (MY) 2022/23 at 5.4 million 480-pound bales, down 0.1 million bales (2 percent) from last month, down 0.6 million bales (9 percent) from last year’s record production, and down 1 percent from the 5-year average. Harvested area is estimated at 3.1 million hectares, down 78,000 hectares (2 percent) from last month but up 12,000 hectares from last year. The estimated yield of 378 kilograms per hectare is nearly equal to the previous month and down 8 percent from the 5-year average. FAS/Dakar office reported lower cotton area in Mali due to floods and severe crop damage caused by heavy insect infestations of cotton jassids, colloquially known as leafhoppers.



## African Franc Zone Cotton Production



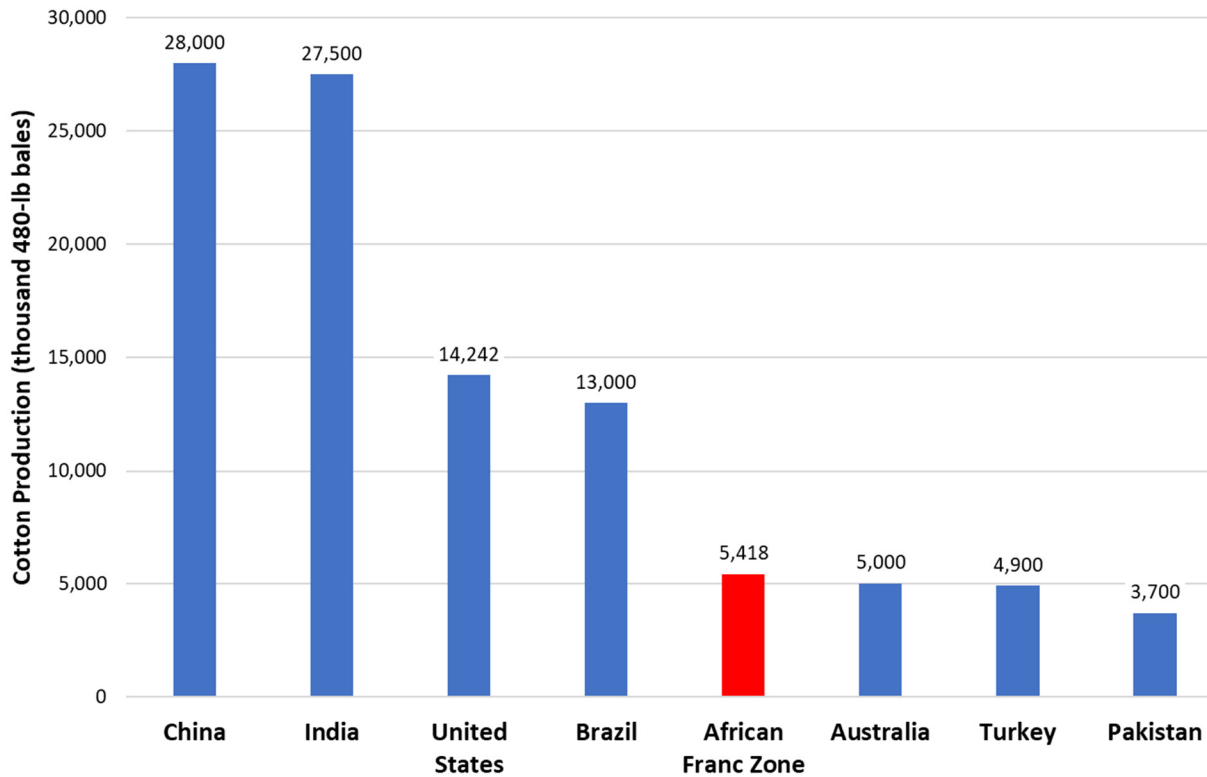
USDA Foreign Agricultural Service  
U.S. DEPARTMENT OF AGRICULTURE

Source: International Food Policy Research Institute,  
Spatial Production Allocation Model 2017.

Cotton is sown from late May through mid-July and ginning season is from October through April. Abundant rains from June through September brought numerous jassids by the end of July, and most countries reported heavy infestations of jassids by September, except for Benin and Cameroon. Countries are still evaluating yield losses caused by jassids as the crop is ginned through April 2023. Last month, Cote d'Ivoire's national cotton and cashew council reported yield drops more than 20 percent below the 5-year average, after most insecticides and insect control programs were ineffective in combating jassid infestations.



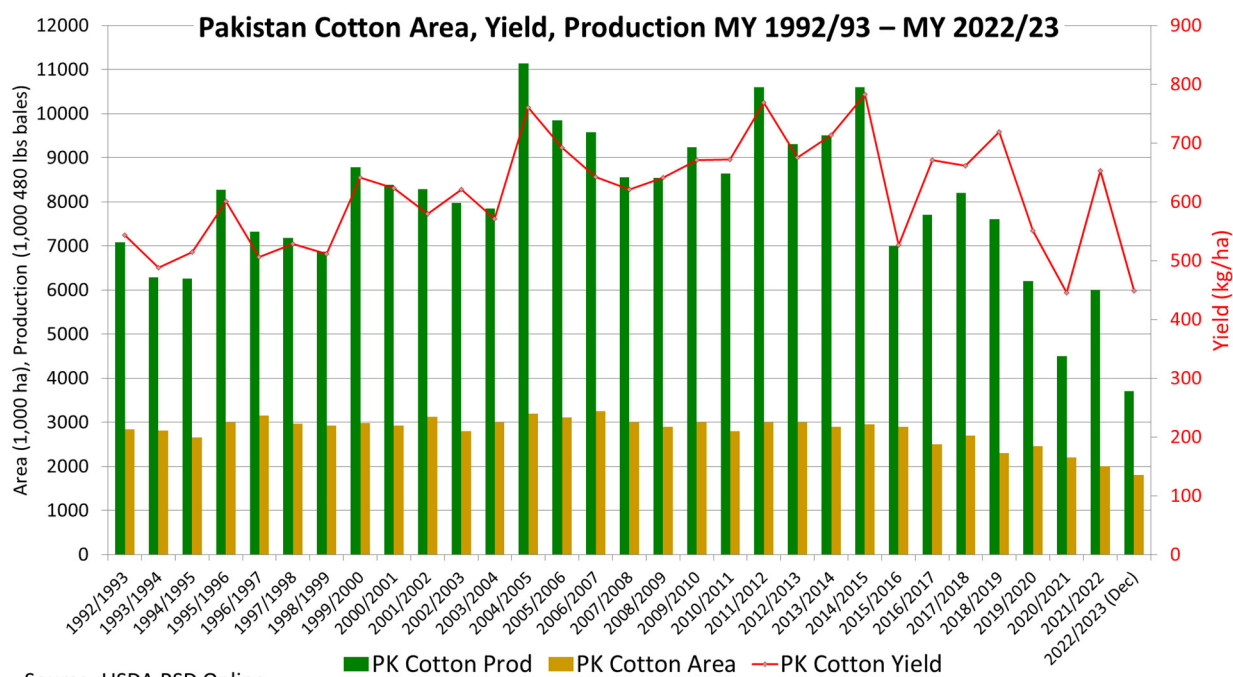
## World's Top Cotton Producing Countries (MY 2022/23 Cotton Production)



Source: USDA PSD Online

FAS/Dakar office also reported severe jassid infestations in the southern part of Mali, especially in the high producing cotton zones of Sikasso and Bougouni. In summary, African Franc Zone cotton production for MY 2022/23 is estimated below the 5-year average output (1 percent) due to abundant rains causing flood damage, fertilizer leaching, and large jassid infestations. *(For more information, please contact [Curt.Reynolds@usda.gov](mailto:Curt.Reynolds@usda.gov).)*

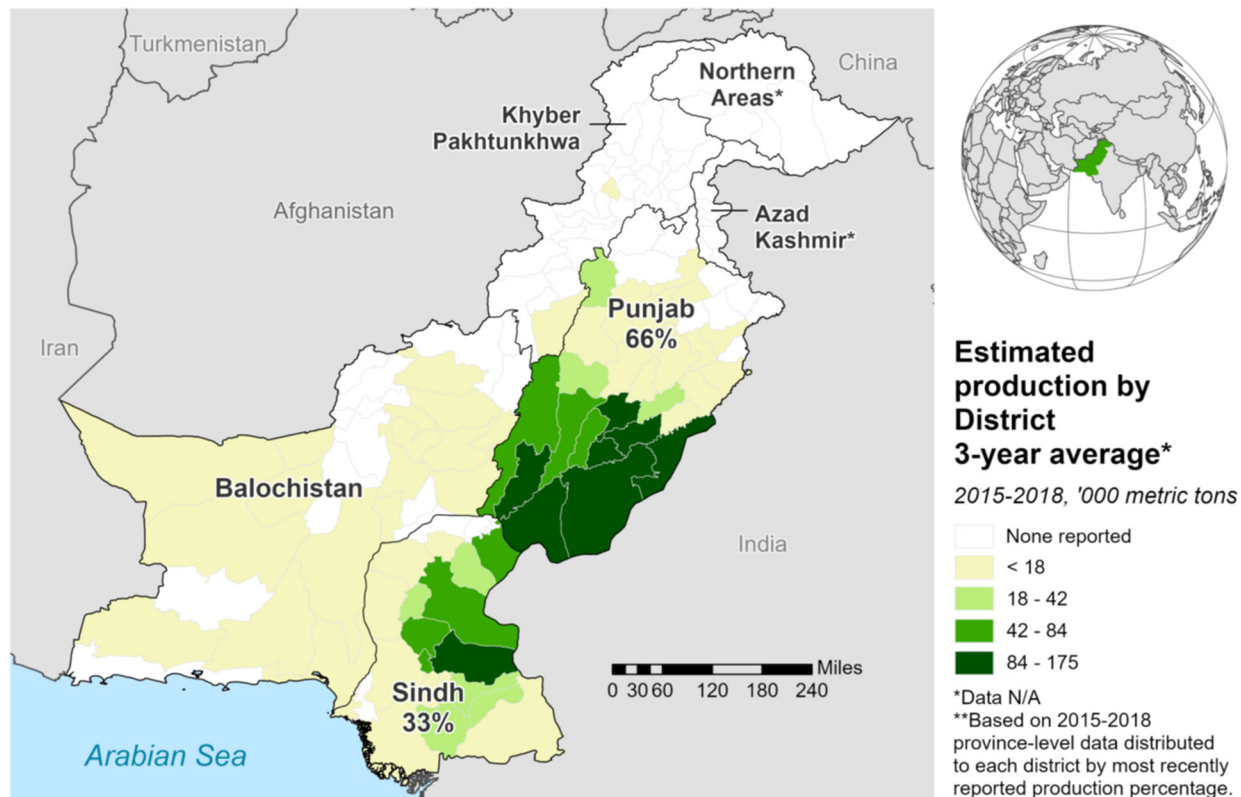
## Pakistan Cotton: Production Revised Down Due to Gin Arrivals



Source: USDA PSD Online

USDA estimates Pakistan’s cotton production for marketing year (MY) 2022/23 at 3.7 million 480-pound bales, down 0.8 million bales from last month and 2.3 million bales from last year. Harvested area is estimated at 1.8 million hectares, down 0.2 from last month, and down 0.2 million hectares from last year. Yield is estimated at 448 kilograms per hectare, down 9 percent from last month and 31 percent from last year.

# Pakistan: Cotton Production



**USDA** Foreign Agricultural Service  
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Source: Agricultural Marketing Information Service, Pakistan; Khyber Pakhtunkhwa (K.P.) Bureau of Statistics

In late August, Pakistan experienced severe flooding in important production areas of Sindh and scattered areas along the Indus River in Punjab. Damage assessments are ongoing, and production is revised down due to lower-than-anticipated arrivals. At the beginning of December, cumulative seed cotton arrivals at gins are 40 percent lower than the same time last year, according to the Pakistan Cotton Ginner’s Association. At the provincial level the arrivals are down 32 percent in Punjab and down 49 percent in Sindh. Cotton planting began in April. Harvest began in August and is now more than half complete. Peak harvest typically occurs in October. The two major cotton producing provinces are Punjab (66 percent) and Sindh (33 percent) based on the current 3-year average. *(For more information, please contact [James.Crutchfield@usda.gov](mailto:James.Crutchfield@usda.gov).)*



**World Agricultural Production  
U.S. Department of Agriculture**

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This report uses information from the Foreign Agricultural Service's (FAS) global network of agricultural attachés and counselors, official statistics of foreign governments and other foreign source materials, and the analysis of economic data and satellite imagery. Estimates of foreign area, yield, and production are from the International Production Assessment Division, FAS, and are reviewed by USDA's Inter-Agency Commodity Estimates Committee. Estimates of U.S. area, yield, and production are from USDA's National Agricultural Statistics Service. Numbers within the report may not add to totals because of rounding. This report reflects official USDA estimates released in the World Agricultural Supply and Demand Estimates (WASDE-584), December 9, 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, January 12, 2023.

**Conversion Table**

Metric tons to bushels

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

Metric tons to 480-lb bales

Cotton	=	MT * 4.592917
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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?f%5Bmember\\_of\\_collections\\_ssim%5D%5B%5D=Foreign+Agricultural+Service&locale=en](https://usda.library.cornell.edu/catalog?f%5Bmember_of_collections_ssim%5D%5B%5D=Foreign+Agricultural+Service&locale=en)

USDA's Foreign Agricultural Service (FAS) publishes monthly and quarterly reports which include data on U.S. and global trade, production, consumption and stocks, as well as analysis of developments affecting world trade in oilseeds, grains, cotton, livestock and poultry. The reports reflect official USDA estimates released in the monthly *World Agricultural Supply and Demand Estimates* (WASDE).

### Global Agricultural Information Network (GAIN)

<https://www.fas.usda.gov/databases/global-agricultural-information-network-gain>

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

### Production, Supply and Distribution (PS&D) Online

<https://apps.fas.usda.gov/psdonline/app/index.html#/app/home>

PSD Online is the public repository for USDA's Official Production, Supply and Distribution forecast data and reports for key agricultural commodities. PSD Online data are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB). The committee consist of representatives from Foreign Agricultural Service (FAS), the Economic Research Service (ERS), the Farm Service Agency (FSA), and the Agricultural Marketing Service (AMS).

### EU Countries and Russia Wheat: Area and Production Estimates

<https://apps.fas.usda.gov/psdonline/app/index.html#/app/downloads> (click on PSD Datasets)

USDA's Foreign Agricultural Service (FAS) provides country-level area and production estimates for the nations of the European Union. For Russia, country-level area and production estimates are provided for Winter and Spring wheat. These datasets are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB) and can be downloaded through PSD datasets on PSD Online.



## FAS Reports and Databases:

### **International Production Assessment (IPAD)**

<https://ipad.fas.usda.gov/>

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

### **USDA and NASA Global Agricultural Monitoring (GLAM)**

<https://glam1.gsfc.nasa.gov/>

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

### **Global Agricultural and Disaster Assessment System (GADAS)**

<https://geo.fas.usda.gov/GADAS/index.html>

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

### **Export Sales Reporting**

<https://apps.fas.usda.gov/esrquery/>

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

### **Global Agricultural Trade System (GATS)**

<https://apps.fas.usda.gov/gats/default.aspx>

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

## **Other USDA Reports:**

World Agricultural Supply and Demand Estimates (WASDE):

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

Economic Research Service:

<http://www.ers.usda.gov/topics/crops>

National Agricultural Statistics Service:

<http://www.nass.usda.gov/Publications/>



**Table 01 World Crop Production Summary**

Million Metric Tons

Commodity	World -	Total Foreign	North America			Former Soviet		Europea n	Asia (WAP)					South America		Selected Other			All Others
			United States	Canada -	Mexico -	Russia -	Ukraine -		China -	India -	Indo- nesia	Paki- stan	Thai- land	Argen- tina	Brazil -	Aus- tralia	South Africa	Turkey -	
---Million metric tons---																			
<b>Wheat</b>																			
2020/21	774.5	724.8	49.8	35.4	3.0	85.4	25.4	nr	134.3	107.9	0.0	25.2	0.0	17.6	6.3	31.9	2.1	18.3	232.1
2021/22 prel.	779.3	734.5	44.8	22.3	3.3	75.2	33.0	nr	136.9	109.6	0.0	27.5	0.0	22.2	7.7	36.3	2.3	16.0	242.3
2022/23 proj.																			
Nov	782.7	737.8	44.9	35.0	3.6	91.0	20.5	nr	138.0	103.0	0.0	26.4	0.0	15.5	9.4	34.5	2.3	17.3	241.4
Dec	780.6	735.7	44.9	33.8	3.6	91.0	20.5	nr	138.0	103.0	0.0	26.4	0.0	12.5	9.5	36.6	2.3	17.3	241.3
<b>Coarse Grains</b>																			
2020/21	1,441.2	1,068.3	372.9	29.6	32.7	41.4	39.6	nr	269.1	51.4	12.6	9.3	5.6	60.0	90.3	18.6	17.8	15.8	374.6
2021/22 prel.	1,502.7	1,105.0	397.7	24.4	32.8	38.5	53.5	nr	280.9	51.2	12.7	11.0	5.4	61.2	120.6	18.8	16.6	11.6	365.9
2022/23 proj.																			
Nov	1,459.5	1,094.8	364.8	29.7	33.5	42.0	39.0	nr	282.3	49.8	12.9	9.7	5.3	64.1	130.5	17.5	17.3	14.5	346.8
Dec	1,453.6	1,088.9	364.8	30.5	33.5	41.0	34.5	nr	282.3	49.8	12.9	9.7	5.3	63.8	130.5	18.2	17.2	14.5	345.1
<b>Rice, Milled</b>																			
2020/21	509.3	502.1	7.2	0.0	0.2	0.7	0.0	nr	148.3	124.4	34.5	8.4	18.9	0.9	8.0	0.3	0.0	0.6	156.8
2021/22 prel.	515.0	509.0	6.1	0.0	0.2	0.7	0.0	nr	149.0	130.3	34.4	9.1	19.9	0.8	7.3	0.5	0.0	0.5	156.2
2022/23 proj.																			
Nov	503.7	498.5	5.2	0.0	0.2	0.7	0.0	nr	147.0	124.0	34.6	6.6	20.1	0.8	7.3	0.5	0.0	0.6	156.1
Dec	503.3	498.1	5.2	0.0	0.2	0.7	0.0	nr	147.0	124.0	34.6	6.6	20.1	0.8	7.2	0.3	0.0	0.6	155.9
<b>Total Grains</b>																			
2020/21	2,725.1	2,295.2	429.9	65.1	35.8	127.5	65.0	nr	551.6	283.6	47.1	43.0	24.4	78.6	104.6	50.8	19.9	34.6	763.5
2021/22 prel.	2,797.1	2,348.5	448.6	46.7	36.2	114.4	86.6	nr	566.8	291.1	47.1	47.5	25.2	84.1	135.7	55.6	18.9	28.1	764.5
2022/23 proj.																			
Nov	2,745.9	2,331.0	414.9	64.7	37.3	133.7	59.5	nr	567.3	276.8	47.5	42.7	25.4	80.4	147.2	52.5	19.5	32.3	744.2
Dec	2,737.5	2,322.6	414.9	64.4	37.3	132.7	55.0	nr	567.3	276.8	47.5	42.7	25.4	77.1	147.3	55.1	19.5	32.3	742.4
<b>Oilseeds</b>																			
2020/21	607.5	483.0	124.5	25.9	0.7	20.1	19.9	nr	65.8	38.3	14.6	2.5	1.0	51.2	143.9	5.7	2.7	2.9	87.7
2021/22 prel.	604.1	472.8	131.4	20.1	0.9	23.1	24.3	nr	62.3	41.1	14.5	3.4	1.0	49.7	131.8	8.6	3.1	3.4	85.6
2022/23 proj.																			
Nov	645.6	517.7	127.9	26.1	0.8	26.4	16.8	nr	65.0	41.9	15.2	2.6	1.0	55.3	157.3	9.0	3.2	3.8	93.3
Dec	644.4	516.5	127.9	25.6	0.8	25.9	16.8	nr	65.0	42.4	14.6	2.4	1.0	55.3	157.3	8.9	3.2	4.0	93.3
<b>Cotton</b>																			
2020/21	111.5	96.9	14.6	0.0	1.0	0.0	0.0	1.7	29.6	27.6	0.0	4.5	0.0	1.4	10.8	2.8	0.1	2.9	14.5
2021/22 prel.	115.7	98.2	17.5	0.0	1.2	0.0	0.0	1.7	26.8	24.4	0.0	6.0	0.0	1.5	11.7	5.8	0.1	3.8	15.3
2022/23 proj.																			
Nov	116.4	102.4	14.0	0.0	1.4	0.0	0.0	1.6	28.0	27.5	0.0	4.5	0.0	1.4	13.0	5.5	0.1	4.4	15.1
Dec	115.7	101.5	14.2	0.0	1.4	0.0	0.0	1.6	28.0	27.5	0.0	3.7	0.0	1.4	13.0	5.0	0.1	4.9	15.0

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			
	2020/21	Prel.	2022/23 Proj.		2020/21	Prel.	2022/23 Proj.		2020/21	Prel.	2022/23 Proj.		From last month		From last year	
		2021/22	Nov	Dec		2021/22	Nov	Dec		2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	220.52	222.15	220.41	219.94	3.51	3.51	3.55	3.55	774.55	779.33	782.68	780.59	-2.09	-0.27	1.26	0.16
<b>United States</b>	14.89	15.03	14.36	14.36	3.34	2.98	3.13	3.13	49.75	44.80	44.90	44.90	0.00	0.00	0.10	0.22
<b>Total Foreign</b>	205.63	207.11	206.05	205.59	3.52	3.55	3.58	3.58	724.80	734.53	737.77	735.69	-2.09	-0.28	1.16	0.16
<b>European Union</b>	22.97	24.26	24.25	24.25	5.51	5.70	5.54	5.54	126.68	138.22	134.30	134.30	0.00	0.00	-3.92	-2.83
<b>United Kingdom</b>	1.39	1.79	1.80	1.80	6.96	7.81	8.56	8.56	9.66	13.99	15.40	15.40	0.00	0.00	1.41	10.09
<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	0.00	0.00	-0.10	-3.33
<b>China</b>	23.38	23.57	23.60	23.60	5.74	5.81	5.85	5.85	134.25	136.95	138.00	138.00	0.00	0.00	1.05	0.77
<b>South Asia</b>																
India	31.36	31.13	30.54	30.54	3.44	3.52	3.37	3.37	107.86	109.59	103.00	103.00	0.00	0.00	-6.59	-6.01
Pakistan	8.81	9.17	9.00	9.00	2.87	3.00	2.93	2.93	25.25	27.46	26.40	26.40	0.00	0.00	-1.06	-3.87
Afghanistan	2.33	2.20	2.20	2.20	2.15	2.00	2.05	2.05	5.01	4.40	4.50	4.50	0.00	0.00	0.10	2.27
Nepal	0.71	0.72	0.72	0.72	2.99	2.90	2.92	2.92	2.13	2.08	2.10	2.10	0.00	0.00	0.03	1.20
<b>Former Soviet Union - 12</b>																
Russia	28.68	27.63	28.70	28.70	2.98	2.72	3.17	3.17	85.35	75.16	91.00	91.00	0.00	0.00	15.84	21.08
Russia Winter	16.63	15.22	16.30	16.30	3.77	3.43	4.17	4.17	62.69	52.19	68.00	68.00	0.00	0.00	15.81	30.28
Russia Spring	12.06	12.41	12.40	12.40	1.88	1.85	1.85	1.85	22.66	22.96	23.00	23.00	0.00	0.00	0.04	0.16
Ukraine	6.85	7.41	5.25	5.25	3.71	4.45	3.90	3.90	25.42	33.01	20.50	20.50	0.00	0.00	-12.51	-37.89
Kazakhstan	12.06	12.72	12.75	12.75	1.18	0.93	1.10	1.10	14.26	11.81	14.00	14.00	0.00	0.00	2.19	18.50
Uzbekistan	1.36	1.36	1.40	1.40	4.53	4.40	4.71	4.71	6.16	5.99	6.60	6.60	0.00	0.00	0.62	10.28
Belarus	0.72	0.65	0.68	0.68	3.94	3.54	3.48	3.48	2.85	2.30	2.35	2.35	0.00	0.00	0.05	2.17
<b>Canada</b>	10.02	9.19	10.00	10.08	3.54	2.43	3.50	3.35	35.44	22.30	35.00	33.82	-1.18	-3.36	11.53	51.70
<b>South America</b>																
Argentina	6.40	6.55	5.80	5.35	2.76	3.38	2.67	2.34	17.64	22.15	15.50	12.50	-3.00	-19.35	-9.65	-43.57
Brazil	2.34	2.74	3.10	3.10	2.67	2.81	3.03	3.06	6.25	7.70	9.40	9.50	0.10	1.06	1.80	23.38
<b>Australia</b>	12.64	13.04	13.10	13.00	2.52	2.79	2.63	2.82	31.92	36.35	34.50	36.60	2.10	6.09	0.25	0.70
<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	0.00	0.00	0.80	8.89
Morocco	2.76	2.86	2.50	2.50	0.93	2.64	1.08	1.08	2.56	7.54	2.70	2.70	0.00	0.00	-4.84	-64.19
Algeria	2.08	2.08	2.08	2.08	1.50	1.20	1.78	1.78	3.11	2.50	3.70	3.70	0.00	0.00	1.20	48.00
Ethiopia	1.83	1.95	2.00	2.00	3.00	2.83	2.85	2.85	5.48	5.52	5.70	5.70	0.00	0.00	0.18	3.26
<b>Middle East</b>																
Turkey	7.10	7.05	6.80	6.80	2.57	2.27	2.54	2.54	18.25	16.00	17.25	17.25	0.00	0.00	1.25	7.81
Iran	6.00	6.00	6.20	6.20	2.50	2.00	2.13	2.13	15.00	12.00	13.20	13.20	0.00	0.00	1.20	10.00
Iraq	2.40	2.00	2.00	2.00	1.93	1.75	1.50	1.50	4.64	3.50	3.00	3.00	0.00	0.00	-0.50	-14.29
Syria	1.60	1.10	1.20	1.20	2.81	1.82	1.75	1.75	4.50	2.00	2.10	2.10	0.00	0.00	0.10	5.00
<b>Mexico</b>	0.56	0.55	0.59	0.59	5.33	6.00	6.05	6.05	2.97	3.28	3.57	3.57	0.00	0.00	0.29	8.81
<b>Others</b>	7.33	7.42	7.64	7.64	2.81	2.80	2.79	2.77	20.58	20.76	21.30	21.19	-0.11	-0.52	0.44	2.11

**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						
	2020/21	Prel.		2022/23 Proj.		2020/21	Prel.		2022/23 Proj.		2020/21	Prel.		2022/23 Proj.		From last month		From last year	
		2021/22	Nov	Dec	2021/22		Nov	Dec	2021/22	Nov		Dec	MMT	Percent	MMT	Percent			
<b>World</b>	344.45	345.57	339.39	338.53	4.18	4.35	4.30	4.29	1,441.19	1,502.69	1,459.54	1,453.62	-5.91	-0.41	-49.07	-3.27			
<b>United States</b>	36.81	38.34	36.42	36.42	10.13	10.37	10.02	10.02	372.89	397.71	364.77	364.77	0.00	0.00	-32.94	-8.28			
<b>Total Foreign</b>	307.64	307.23	302.97	302.11	3.47	3.60	3.61	3.60	1,068.30	1,104.98	1,094.77	1,088.85	-5.91	-0.54	-16.13	-1.46			
<b>China</b>	43.72	45.77	45.45	45.45	6.15	6.14	6.21	6.21	269.08	280.85	282.30	282.30	0.00	0.00	1.45	0.52			
<b>European Union</b>	28.77	27.77	27.42	27.28	5.40	5.56	4.99	4.97	155.46	154.41	136.67	135.68	-0.99	-0.72	-18.73	-12.13			
<b>United Kingdom</b>	1.66	1.43	1.37	1.37	5.64	5.88	6.14	6.14	9.36	8.41	8.40	8.40	0.00	0.00	-0.01	-0.13			
<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	8.65	10.14	9.60	9.53	6.94	6.03	6.68	6.70	60.01	61.16	64.11	63.81	-0.30	-0.47	2.65	4.34			
<b>Former Soviet Union - 12</b>																			
Russia	14.55	14.01	13.40	13.20	2.84	2.75	3.13	3.11	41.40	38.54	42.00	41.00	-1.00	-2.38	2.46	6.39			
Ukraine	8.53	8.66	6.87	6.37	4.64	6.18	5.68	5.41	39.59	53.51	38.96	34.46	-4.50	-11.55	-19.05	-35.61			
Kazakhstan	3.20	2.63	2.61	2.61	1.54	1.43	1.57	1.57	4.93	3.76	4.10	4.10	0.00	0.00	0.34	9.05			
Belarus	1.14	0.99	1.03	1.03	3.47	3.05	3.11	3.11	3.95	3.00	3.20	3.20	0.00	0.00	0.20	6.67			
<b>Africa</b>																			
Nigeria	13.10	13.70	13.50	13.50	1.60	1.56	1.57	1.57	20.90	21.39	21.18	21.18	0.00	0.00	-0.21	-0.99			
South Africa	3.36	3.19	3.19	3.19	5.31	5.21	5.42	5.41	17.81	16.60	17.25	17.24	-0.01	-0.06	0.64	3.88			
Tanzania	5.17	5.40	5.00	5.00	1.51	1.40	1.40	1.40	7.79	7.55	6.98	6.98	0.00	0.00	-0.58	-7.62			
Burkina Faso	3.89	4.24	4.24	4.24	1.21	0.99	1.16	1.16	4.72	4.20	4.90	4.90	0.00	0.00	0.70	16.58			
Ethiopia	5.53	5.59	5.63	5.63	3.45	3.08	3.23	3.23	19.10	17.20	18.20	18.20	0.00	0.00	1.00	5.81			
Egypt	1.03	1.16	1.16	1.16	7.01	7.13	7.13	7.13	7.24	8.30	8.30	8.30	0.00	0.00	0.00	0.00			
Mali	5.17	4.70	4.70	4.70	1.41	1.34	1.45	1.45	7.26	6.31	6.80	6.80	0.00	0.00	0.49	7.70			
<b>India</b>	24.12	24.29	24.54	24.54	2.13	2.11	2.03	2.03	51.39	51.21	49.80	49.80	0.00	0.00	-1.41	-2.75			
<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	2.56	2.50	2.50	3.25	3.26	3.16	3.16	8.35	8.34	7.90	7.90	0.00	0.00	-0.44	-5.32			
Vietnam	0.94	0.90	0.97	0.85	4.83	4.92	4.85	4.94	4.56	4.45	4.70	4.20	-0.50	-10.64	-0.25	-5.53			
Thailand	1.28	1.23	1.21	1.23	4.33	4.36	4.35	4.28	5.55	5.35	5.25	5.25	0.00	0.00	-0.10	-1.87			
<b>Mexico</b>	8.76	8.88	9.01	9.01	3.73	3.69	3.72	3.72	32.66	32.79	33.50	33.50	0.00	0.00	0.71	2.17			
<b>Canada</b>	5.80	5.81	5.58	5.74	5.11	4.21	5.33	5.32	29.64	24.43	29.72	30.54	0.82	2.76	6.11	25.01			
<b>Australia</b>	7.26	6.03	5.98	5.98	2.56	3.11	2.92	3.04	18.56	18.76	17.47	18.17	0.70	4.01	-0.59	-3.13			
<b>Middle East</b>																			
Turkey	4.63	4.46	4.54	4.54	3.40	2.60	3.19	3.19	15.76	11.58	14.47	14.47	0.00	0.00	2.89	24.95			
Iran	1.81	1.91	1.86	1.86	2.77	2.16	2.38	2.38	5.02	4.12	4.42	4.42	0.00	0.00	0.30	7.31			
<b>Others</b>	77.86	74.52	73.39	73.38	1.61	1.68	1.65	1.64	125.31	125.46	120.78	120.64	-0.13	-0.11	-4.82	-3.84			

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			
	2020/21	Prel.	2022/23 Proj.		2020/21	Prel.	2022/23 Proj.		2020/21	Prel.	2022/23 Proj.		From last month		From last year	
		2021/22	Nov	Dec		2021/22	Nov	Dec		2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	199.02	207.16	202.57	201.97	5.67	5.87	5.77	5.75	1,129.20	1,216.87	1,168.39	1,161.86	-6.52	-0.56	-55.00	-4.52
<b>United States</b>	33.31	34.53	32.72	32.72	10.76	11.09	10.82	10.82	358.45	382.89	353.84	353.84	0.00	0.00	-29.06	-7.59
<b>Total Foreign</b>	165.71	172.63	169.85	169.25	4.65	4.83	4.80	4.77	770.76	833.97	814.55	808.03	-6.52	-0.80	-25.95	-3.11
<b>China</b>	41.26	43.32	43.00	43.00	6.32	6.29	6.37	6.37	260.67	272.55	274.00	274.00	0.00	0.00	1.45	0.53
<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	7.40	7.00	7.00	7.94	6.96	7.86	7.86	52.00	51.50	55.00	55.00	0.00	0.00	3.50	6.80
Bolivia	0.41	0.44	0.44	0.44	3.00	2.60	2.64	2.64	1.23	1.13	1.15	1.15	0.00	0.00	0.02	1.77
<b>European Union</b>	9.24	9.24	8.84	9.03	7.30	7.69	6.20	6.01	67.44	70.98	54.80	54.20	-0.60	-1.09	-16.78	-23.64
<b>Africa</b>																
South Africa	3.12	3.00	3.00	3.00	5.44	5.37	5.57	5.57	16.95	16.10	16.70	16.70	0.00	0.00	0.60	3.73
Nigeria	5.50	6.00	5.80	5.80	2.25	2.12	2.10	2.10	12.40	12.75	12.18	12.18	0.00	0.00	-0.57	-4.43
Ethiopia	2.36	2.53	2.55	2.55	4.47	3.72	4.00	4.00	10.56	9.40	10.20	10.20	0.00	0.00	0.80	8.51
Egypt	0.80	0.93	0.93	0.93	8.00	8.00	8.00	8.00	6.40	7.44	7.44	7.44	0.00	0.00	0.00	0.00
Tanzania	4.20	4.40	4.00	4.00	1.60	1.48	1.48	1.48	6.71	6.50	5.90	5.90	0.00	0.00	-0.60	-9.23
Malawi	1.76	1.75	1.75	1.75	2.10	2.62	2.12	2.12	3.69	4.58	3.72	3.72	0.00	0.00	-0.86	-18.86
Zambia	1.33	1.41	1.12	1.12	2.54	2.57	2.43	2.43	3.39	3.62	2.71	2.71	0.00	0.00	-0.91	-25.25
Kenya	2.19	1.95	1.90	1.90	1.73	1.59	1.58	1.58	3.79	3.10	3.00	3.00	0.00	0.00	-0.10	-3.23
Uganda	0.99	1.10	1.10	1.10	2.78	2.55	2.55	2.55	2.75	2.80	2.80	2.80	0.00	0.00	0.00	0.00
Zimbabwe	1.58	1.95	1.90	1.90	0.57	1.39	0.82	0.82	0.91	2.72	1.56	1.56	0.00	0.00	-1.16	-42.66
<b>Former Soviet Union - 12</b>																
Ukraine	5.40	5.49	4.50	4.00	5.62	7.68	7.00	6.75	30.30	42.13	31.50	27.00	-4.50	-14.29	-15.13	-35.91
Russia	2.73	2.90	2.70	2.50	5.08	5.25	5.56	5.60	13.87	15.23	15.00	14.00	-1.00	-6.67	-1.23	-8.05
<b>South Asia</b>																
India	9.89	10.10	10.00	10.00	3.20	3.33	3.20	3.20	31.65	33.60	32.00	32.00	0.00	0.00	-1.60	-4.76
Pakistan	1.42	1.65	1.60	1.60	6.30	6.43	5.75	5.75	8.94	10.64	9.20	9.20	0.00	0.00	-1.44	-13.49
Nepal	0.97	0.97	0.97	0.97	2.82	2.82	2.82	2.82	2.72	2.72	2.72	2.72	0.00	0.00	0.00	0.00
<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	2.56	2.50	2.50	3.25	3.26	3.16	3.16	8.35	8.34	7.90	7.90	0.00	0.00	-0.44	-5.32
Vietnam	0.94	0.90	0.97	0.85	4.83	4.92	4.85	4.94	4.56	4.45	4.70	4.20	-0.50	-10.64	-0.25	-5.53
Thailand	1.26	1.20	1.18	1.20	4.38	4.42	4.41	4.33	5.50	5.30	5.20	5.20	0.00	0.00	-0.10	-1.89
<b>Mexico</b>	7.14	7.09	7.20	7.20	3.83	3.77	3.83	3.83	27.35	26.76	27.60	27.60	0.00	0.00	0.84	3.13
<b>Canada</b>	1.41	1.39	1.45	1.44	9.63	10.05	10.00	10.07	13.56	13.98	14.50	14.54	0.04	0.27	0.56	3.97
<b>Turkey</b>	0.62	0.54	0.53	0.53	11.45	12.04	12.38	12.38	7.10	6.50	6.50	6.50	0.00	0.00	0.00	0.00
<b>Others</b>	26.31	26.72	26.30	26.31	2.60	2.64	2.57	2.57	68.38	70.47	67.68	67.72	0.04	0.06	-2.75	-3.90

World and Selected Countries and Regions

**Table 05 Barley Area, Yield, and Production**

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	52.45	48.62	47.25	47.18	3.07	2.99	3.15	3.17	160.91	145.47	149.00	149.53	0.53	0.35	4.06	2.79
<b>United States</b>	0.90	0.81	0.99	0.99	4.15	3.25	3.85	3.85	3.72	2.62	3.80	3.80	0.00	0.00	1.18	45.16
<b>Total Foreign</b>	51.56	47.81	46.27	46.19	3.05	2.99	3.14	3.15	157.19	142.85	145.21	145.73	0.53	0.36	2.88	2.02
<b>European Union</b>	11.05	10.31	10.50	10.48	4.91	5.05	4.89	4.92	54.23	52.05	51.30	51.52	0.22	0.42	-0.53	-1.02
<b>United Kingdom</b>	1.39	1.15	1.12	1.12	5.85	6.05	6.37	6.37	8.12	6.96	7.10	7.10	0.00	0.00	0.14	2.00
<b>Former Soviet Union - 12</b>																
Russia	8.16	7.69	7.60	7.60	2.53	2.28	2.76	2.76	20.63	17.51	21.00	21.00	0.00	0.00	3.50	19.97
Ukraine	2.58	2.68	1.90	1.90	3.08	3.70	3.37	3.37	7.95	9.92	6.40	6.40	0.00	0.00	-3.52	-35.50
Kazakhstan	2.73	2.16	2.15	2.15	1.34	1.10	1.26	1.26	3.66	2.37	2.70	2.70	0.00	0.00	0.33	14.07
Belarus	0.41	0.35	0.40	0.40	3.35	2.86	2.75	2.75	1.38	1.00	1.10	1.10	0.00	0.00	0.10	10.00
Azerbaijan	0.35	0.37	0.38	0.38	2.96	3.07	2.93	2.93	1.02	1.15	1.10	1.10	0.00	0.00	-0.05	-4.10
<b>Canada</b>	2.81	3.01	2.60	2.64	3.82	2.31	3.81	3.79	10.74	6.96	9.90	9.99	0.09	0.88	3.03	43.51
<b>Australia</b>	5.49	4.42	4.20	4.20	2.67	3.15	3.02	3.19	14.65	13.91	12.70	13.40	0.70	5.51	-0.51	-3.64
<b>Middle East</b>																
Turkey	3.80	3.70	3.80	3.80	2.13	1.22	1.95	1.95	8.10	4.50	7.40	7.40	0.00	0.00	2.90	64.44
Iran	1.60	1.70	1.65	1.65	2.25	1.59	1.82	1.82	3.60	2.70	3.00	3.00	0.00	0.00	0.30	11.11
Iraq	1.20	0.60	0.60	0.60	1.29	1.17	1.13	1.13	1.55	0.70	0.68	0.68	0.00	0.00	-0.02	-2.86
Syria	1.50	0.80	0.90	0.90	1.27	0.81	0.78	0.78	1.90	0.65	0.70	0.70	0.00	0.00	0.05	7.69
<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	1.10	1.10	0.44	1.87	0.64	0.64	0.64	2.78	0.70	0.70	0.00	0.00	-2.08	-74.82
Algeria	0.98	1.03	1.03	1.03	1.24	0.93	1.56	1.56	1.21	0.95	1.60	1.60	0.00	0.00	0.65	68.42
Tunisia	0.36	0.28	0.30	0.30	1.28	1.54	1.40	1.40	0.47	0.43	0.42	0.42	0.00	0.00	-0.01	-2.33
South Africa	0.14	0.10	0.10	0.10	4.14	3.52	3.70	3.70	0.59	0.33	0.37	0.37	0.00	0.00	0.04	10.78
<b>South America</b>																
Argentina	1.01	1.34	1.35	1.28	4.00	3.96	3.33	3.28	4.04	5.30	4.50	4.20	-0.30	-6.67	-1.10	-20.75
Uruguay	0.19	0.22	0.19	0.19	4.78	4.11	4.19	3.65	0.89	0.92	0.78	0.68	-0.10	-12.90	-0.25	-26.63
Brazil	0.10	0.11	0.11	0.11	3.63	3.79	3.91	3.91	0.37	0.43	0.43	0.43	0.00	0.00	0.01	1.18
<b>India</b>	0.59	0.59	0.54	0.54	2.92	2.80	2.59	2.59	1.72	1.66	1.40	1.40	0.00	0.00	-0.26	-15.46
<b>China</b>	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>	0.30	0.35	0.34	0.34	3.07	3.11	2.82	2.82	0.91	1.09	0.96	0.96	0.00	0.00	-0.13	-11.93
<b>Afghanistan</b>	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>	1.78	1.74	1.78	1.76	2.42	2.33	2.44	2.43	4.30	4.05	4.34	4.27	-0.07	-1.70	0.21	5.25

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			
	2020/21	Prel.	2022/23 Proj.		2020/21	Prel.	2022/23 Proj.		2020/21	Prel.	2022/23 Proj.		From last month		From last year	
		2021/22	Nov	Dec		2021/22	Nov	Dec		2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	10.08	9.61	9.42	9.45	2.55	2.34	2.60	2.63	25.72	22.53	24.45	24.90	0.45	1.84	2.37	10.52
<b>United States</b>	0.41	0.26	0.36	0.36	2.34	2.20	2.33	2.33	0.95	0.58	0.84	0.84	0.00	0.00	0.26	44.81
<b>Total Foreign</b>	9.67	9.35	9.06	9.09	2.56	2.35	2.61	2.65	24.77	21.95	23.62	24.07	0.45	1.90	2.11	9.62
<b>European Union</b>	2.56	2.56	2.47	2.40	3.31	2.95	3.15	3.18	8.47	7.53	7.78	7.61	-0.17	-2.15	0.08	1.06
<b>Former Soviet Union - 12</b>																
Russia	2.33	2.17	2.00	2.00	1.77	1.72	1.90	1.90	4.13	3.73	3.80	3.80	0.00	0.00	0.07	1.79
Ukraine	0.20	0.18	0.18	0.18	2.54	2.61	2.29	2.29	0.52	0.48	0.40	0.40	0.00	0.00	-0.08	-16.32
Belarus	0.16	0.15	0.16	0.16	2.87	2.33	2.42	2.42	0.45	0.35	0.38	0.38	0.00	0.00	0.03	7.14
Kazakhstan	0.23	0.20	0.20	0.20	1.05	0.90	1.13	1.13	0.24	0.18	0.23	0.23	0.00	0.00	0.04	23.63
<b>Canada</b>	1.31	1.18	1.30	1.40	3.48	2.39	3.54	3.73	4.58	2.81	4.60	5.23	0.63	13.61	2.42	86.11
<b>South America</b>																
Argentina	0.24	0.35	0.28	0.28	2.13	2.07	2.30	2.30	0.51	0.73	0.65	0.65	0.00	0.00	-0.08	-11.03
Brazil	0.43	0.50	0.51	0.51	2.00	2.27	2.26	2.26	0.85	1.14	1.16	1.16	0.00	0.00	0.01	1.05
Chile	0.11	0.12	0.13	0.13	4.65	4.70	4.37	4.37	0.53	0.58	0.55	0.55	0.00	0.00	-0.03	-4.84
Uruguay	0.02	0.01	0.02	0.02	2.20	2.21	2.40	2.40	0.03	0.03	0.04	0.04	0.00	0.00	0.01	16.13
<b>Oceania</b>																
Australia	1.07	0.85	0.80	0.80	1.77	1.90	1.75	1.75	1.90	1.62	1.40	1.40	0.00	0.00	-0.22	-13.53
New Zealand	0.00	0.01	0.01	0.01	5.75	5.80	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	1.64	1.67	1.33	0.06	0.06	0.05	0.04	-0.01	-20.00	-0.02	-32.20
<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	2.02	1.89	1.89	0.06	0.09	0.09	0.09	0.00	0.00	-0.01	-8.60
<b>Others</b>	0.03	0.03	0.03	0.03	1.61	1.69	1.68	1.68	0.05	0.05	0.05	0.05	0.00	0.00	0.00	6.12

World and Selected Countries and Regions

**Table 07 Rye Area, Yield, and Production**

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	4.17	4.06	3.75	3.76	3.43	3.09	3.21	3.21	14.30	12.54	12.01	12.06	0.05	0.42	-0.49	-3.89
<b>United States</b>	0.13	0.12	0.14	0.14	2.19	2.09	2.26	2.26	0.29	0.25	0.31	0.31	0.00	0.00	0.06	25.30
<b>Total Foreign</b>	4.03	3.94	3.61	3.62	3.47	3.12	3.24	3.25	14.01	12.30	11.69	11.74	0.05	0.43	-0.55	-4.48
<b>European Union</b>	2.08	1.93	1.87	1.87	4.31	4.12	4.07	4.07	8.97	7.95	7.62	7.62	0.00	0.00	-0.33	-4.19
<b>Former Soviet Union - 12</b>																
Russia	0.97	0.99	0.88	0.88	2.44	1.73	2.17	2.17	2.38	1.72	1.90	1.90	0.00	0.00	0.18	10.72
Belarus	0.36	0.33	0.30	0.30	2.92	2.46	2.50	2.50	1.05	0.80	0.75	0.75	0.00	0.00	-0.05	-6.25
Ukraine	0.14	0.18	0.10	0.10	3.28	3.43	2.85	2.85	0.46	0.60	0.29	0.29	0.00	0.00	-0.32	-52.50
Kazakhstan	0.02	0.04	0.03	0.03	1.25	0.91	1.20	1.20	0.03	0.04	0.03	0.03	0.00	0.00	-0.01	-25.00
<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	0.14	0.15	3.19	3.22	3.36	3.42	0.49	0.47	0.47	0.52	0.05	10.64	0.05	9.94
<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	1.84	1.84	0.14	0.23	0.16	0.16	0.00	0.00	-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.		2022/23 Proj.		Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	42.84	41.46	41.31	41.31	1.46	1.50	1.46	1.45	62.57	62.20	60.15	60.06	-0.08	-0.14	-2.14	-3.43
<b>United States</b>	2.06	2.63	2.22	2.22	4.59	4.33	2.70	2.70	9.47	11.38	5.99	5.99	0.00	0.00	-5.39	-47.35
<b>Total Foreign</b>	40.77	38.83	39.10	39.09	1.30	1.31	1.39	1.38	53.10	50.82	54.16	54.07	-0.08	-0.16	3.25	6.39
<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	1.74	1.90	1.90	1.90	1.06	0.87	1.00	1.00	1.84	1.64	1.90	1.90	0.00	0.00	0.26	15.57
Mali	1.83	1.50	1.50	1.50	1.00	0.83	1.00	1.00	1.82	1.24	1.50	1.50	0.00	0.00	0.26	21.07
Niger	3.67	3.70	3.70	3.70	0.58	0.33	0.51	0.51	2.13	1.21	1.90	1.90	0.00	0.00	0.69	57.42
Cameroon	0.74	0.74	0.74	0.74	1.62	1.62	1.62	1.62	1.20	1.20	1.20	1.20	0.00	0.00	0.00	0.00
Tanzania	0.70	0.70	0.70	0.70	1.07	1.02	1.07	1.07	0.75	0.72	0.75	0.75	0.00	0.00	0.04	4.90
Egypt	0.15	0.15	0.15	0.15	4.91	5.00	5.00	5.00	0.73	0.75	0.75	0.75	0.00	0.00	0.00	0.00
Uganda	0.31	0.25	0.25	0.25	1.23	1.32	0.90	0.90	0.38	0.33	0.23	0.23	0.00	0.00	-0.11	-31.82
Ghana	0.30	0.31	0.31	0.31	1.13	1.11	1.13	1.13	0.35	0.35	0.35	0.35	0.00	0.00	0.01	1.45
Mozambique	0.26	0.25	0.25	0.25	0.54	0.64	0.64	0.64	0.14	0.16	0.16	0.16	0.00	0.00	0.00	0.00
South Africa	0.05	0.04	0.04	0.04	4.39	2.78	3.71	3.71	0.22	0.10	0.13	0.13	0.00	0.00	0.03	26.21
<b>Mexico</b>	1.29	1.40	1.42	1.42	3.37	3.47	3.42	3.42	4.35	4.84	4.85	4.85	0.00	0.00	0.01	0.21
<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	0.92	0.98	0.98	4.81	4.25	4.40	4.40	0.00	0.00	0.15	3.53
Pakistan	0.13	0.08	0.22	0.22	0.76	0.83	0.63	0.63	0.10	0.06	0.14	0.14	0.00	0.00	0.07	110.94
<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	0.84	0.84	2.86	4.38	3.45	3.45	1.64	2.73	2.90	2.90	0.00	0.00	0.17	6.11
<b>European Union</b>	0.19	0.15	0.14	0.13	5.21	5.49	4.82	4.41	1.00	0.82	0.68	0.59	-0.08	-12.44	-0.23	-28.19
<b>Others</b>	5.80	5.68	5.60	5.60	1.12	1.11	1.09	1.09	6.48	6.27	6.09	6.09	0.00	0.00	-0.18	-2.89

World and Selected Countries and Regions

**Table 09 Rice Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	165.21	166.10	164.44	164.30	4.60	4.63	4.57	4.58	509.32	515.05	503.69	503.27	-0.42	-0.08	-11.78	-2.29
<b>United States</b>	1.21	1.01	0.88	0.88	8.54	8.64	8.46	8.46	7.22	6.09	5.22	5.22	0.00	0.00	-0.87	-14.32
<b>Total Foreign</b>	164.00	165.10	163.56	163.42	4.57	4.61	4.55	4.55	502.10	508.96	498.47	498.05	-0.42	-0.08	-10.91	-2.14
<b>East Asia</b>																
China	30.08	29.92	30.00	30.00	7.04	7.11	7.00	7.00	148.30	148.99	147.00	147.00	0.00	0.00	-1.99	-1.34
Japan	1.53	1.52	1.50	1.50	6.78	6.93	6.82	6.82	7.57	7.67	7.45	7.45	0.00	0.00	-0.22	-2.80
Korea, South	0.73	0.73	0.73	0.73	6.49	7.12	7.00	6.94	3.51	3.88	3.80	3.76	-0.04	-0.97	-0.12	-3.07
Korea, North	0.49	0.50	0.50	0.50	4.44	4.18	4.18	4.18	1.40	1.36	1.36	1.36	0.00	0.00	0.00	0.00
<b>South Asia</b>																
India	45.77	46.38	45.50	45.50	4.08	4.21	4.09	4.09	124.37	130.29	124.00	124.00	0.00	0.00	-6.29	-4.83
Bangladesh	11.50	11.62	11.50	11.50	4.51	4.63	4.65	4.65	34.60	35.85	35.65	35.65	0.00	0.00	-0.20	-0.56
Pakistan	3.34	3.54	3.00	3.00	3.79	3.86	3.30	3.30	8.42	9.10	6.60	6.60	0.00	0.00	-2.50	-27.47
Nepal	1.48	1.47	1.42	1.42	3.81	3.80	3.83	3.83	3.74	3.73	3.62	3.62	0.00	0.00	-0.11	-2.95
Sri Lanka	1.09	1.13	0.98	0.98	4.59	3.56	3.60	3.60	3.39	2.73	2.40	2.40	0.00	0.00	-0.33	-12.18
<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	7.27	7.28	7.28	6.00	5.93	5.99	5.99	27.38	26.94	27.23	27.23	0.00	0.00	0.28	1.04
Thailand	10.51	10.70	10.85	10.85	2.72	2.81	2.81	2.81	18.86	19.88	20.10	20.10	0.00	0.00	0.22	1.12
Burma	6.90	6.90	6.90	6.90	2.85	2.80	2.83	2.83	12.60	12.35	12.50	12.50	0.00	0.00	0.15	1.20
Philippines	4.76	4.80	4.80	4.80	4.14	4.15	4.10	4.10	12.42	12.54	12.41	12.41	0.00	0.00	-0.13	-1.03
Cambodia	3.26	3.27	3.31	3.31	2.89	2.89	2.94	2.94	5.74	5.77	5.93	5.93	0.00	0.00	0.16	2.81
Laos	0.93	0.94	0.95	0.95	3.24	3.28	3.26	3.26	1.90	1.95	1.95	1.95	0.00	0.00	0.00	0.00
Malaysia	0.68	0.67	0.68	0.68	4.07	4.09	4.07	4.07	1.80	1.78	1.80	1.80	0.00	0.00	0.02	1.12
<b>South America</b>																
Brazil	1.68	1.62	1.60	1.52	7.00	6.67	6.71	7.00	8.00	7.34	7.30	7.24	-0.07	-0.89	-0.10	-1.39
Peru	0.41	0.42	0.42	0.42	8.22	8.37	8.55	8.55	2.34	2.43	2.48	2.48	0.00	0.00	0.05	2.22
<b>Africa</b>																
Egypt	0.70	0.50	0.60	0.60	8.28	8.41	8.70	8.70	4.00	2.90	3.60	3.60	0.00	0.00	0.70	24.14
Madagascar	1.68	1.65	1.60	1.60	2.53	2.65	2.69	2.69	2.71	2.80	2.75	2.75	0.00	0.00	-0.05	-1.82
Nigeria	3.60	3.65	3.50	3.50	2.27	2.29	2.29	2.29	5.15	5.26	5.04	5.04	0.00	0.00	-0.22	-4.09
<b>European Union</b>	0.42	0.40	0.36	0.33	6.74	6.57	5.90	6.06	1.83	1.72	1.35	1.29	-0.06	-4.67	-0.44	-25.42
<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>	13.21	13.33	13.37	13.33	2.94	2.89	2.90	2.88	25.58	25.40	25.55	25.29	-0.26	-1.00	-0.10	-0.41

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

**Table 10 Total Oilseed Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World Total</b>	--	--	--	--	--	--	--	--	607.51	604.15	645.61	644.40	-1.21	-0.19	40.25	6.66
<b>Total Foreign</b>	--	--	--	--	--	--	--	--	482.99	472.80	517.74	516.47	-1.27	-0.24	43.68	9.24
<b>Oilseed, Copra</b>	--	--	--	--	--	--	--	--	5.59	5.86	5.86	5.86	0.00	0.00	0.00	0.00
<b>Oilseed, Palm Kernel</b>	--	--	--	--	--	--	--	--	19.05	19.27	20.39	19.87	-0.52	-2.55	0.60	3.12
<b>Major Oilseeds</b>	251.51	260.25	263.75	263.23	2.32	2.22	2.35	2.35	582.87	579.01	619.35	618.66	-0.69	-0.11	39.65	6.85
<b>United States</b>	38.81	41.06	40.36	40.36	3.21	3.20	3.17	3.17	124.52	131.35	127.87	127.92	0.06	0.04	-3.43	-2.61
<b>Foreign Oilseeds</b>	212.70	219.19	223.40	222.88	2.15	2.04	2.20	2.20	458.35	447.66	491.48	490.74	-0.75	-0.15	43.08	9.62
<b>South America</b>	66.09	68.49	70.75	70.75	3.19	2.81	3.24	3.24	210.92	192.67	229.20	229.20	0.00	0.00	36.53	18.96
Brazil	41.07	43.33	44.75	44.75	3.50	3.04	3.51	3.51	143.77	131.67	157.13	157.13	0.00	0.00	25.46	19.34
Argentina	18.97	18.77	19.33	19.33	2.70	2.65	2.86	2.86	51.21	49.67	55.30	55.30	0.00	0.00	5.63	11.33
Paraguay	3.24	3.39	3.54	3.54	3.09	1.28	2.86	2.86	10.02	4.32	10.13	10.13	0.00	0.00	5.81	134.43
Bolivia	1.57	1.54	1.57	1.57	2.24	2.07	2.10	2.10	3.51	3.20	3.30	3.30	0.00	0.00	0.10	3.22
Uruguay	1.11	1.32	1.43	1.43	1.85	2.62	2.11	2.11	2.06	3.46	3.00	3.00	0.00	0.00	-0.46	-13.23
<b>China</b>	25.45	23.94	25.20	25.20	2.59	2.60	2.58	2.58	65.81	62.35	65.02	65.02	0.00	0.00	2.67	4.29
<b>South Asia</b>	42.16	41.64	42.99	42.84	0.96	1.06	1.03	1.04	40.48	44.04	44.12	44.35	0.23	0.52	0.31	0.70
India	39.15	38.70	40.08	40.08	0.96	1.04	1.02	1.04	37.55	40.25	41.04	41.54	0.50	1.22	1.29	3.21
Pakistan	2.65	2.58	2.55	2.40	0.94	1.30	1.03	0.99	2.50	3.36	2.64	2.37	-0.27	-10.30	-0.99	-29.41
<b>European Union</b>	11.10	10.99	12.06	12.09	2.59	2.79	2.65	2.64	28.77	30.71	31.94	31.95	0.00	0.01	1.24	4.04
<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>Former Soviet Union - 12</b>	25.91	27.77	26.54	26.24	1.72	1.89	1.81	1.81	44.70	52.44	47.98	47.48	-0.50	-1.04	-4.96	-9.45
Russia	12.50	14.23	15.20	14.90	1.61	1.62	1.74	1.74	20.14	23.11	26.40	25.90	-0.50	-1.89	2.79	12.09
Ukraine	9.65	9.58	7.25	7.25	2.06	2.54	2.32	2.32	19.85	24.32	16.80	16.80	0.00	0.00	-7.52	-30.91
Uzbekistan	1.08	1.08	1.09	1.09	1.19	1.03	1.02	1.02	1.28	1.11	1.11	1.11	0.00	0.00	0.00	0.18
<b>Canada</b>	10.41	11.12	10.73	10.75	2.49	1.81	2.43	2.38	25.95	20.11	26.07	25.61	-0.46	-1.75	5.50	27.35
<b>Africa</b>	22.12	24.79	24.12	24.04	1.08	0.98	1.04	1.04	23.99	24.36	24.98	24.94	-0.03	-0.14	0.58	2.37
Nigeria	4.62	4.97	4.87	4.87	1.19	1.11	1.21	1.21	5.49	5.50	5.90	5.90	0.00	0.00	0.41	7.37
South Africa	1.36	1.66	1.76	1.76	1.98	1.89	1.82	1.82	2.69	3.14	3.20	3.20	0.00	0.00	0.06	1.78
Tanzania	1.17	1.24	1.35	1.35	1.02	0.98	0.93	0.93	1.19	1.21	1.25	1.25	0.00	0.00	0.04	3.39
<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	0.00	0.00	-0.01	-0.16
Burma	2.03	2.04	2.04	2.04	1.17	1.19	1.21	1.21	2.37	2.42	2.46	2.46	0.00	0.00	0.05	1.86
Indonesia	0.94	0.90	0.87	0.87	1.54	1.55	1.55	1.55	1.45	1.39	1.35	1.35	0.00	0.00	-0.04	-2.53
<b>Australia</b>	2.94	3.87	4.21	4.16	1.93	2.22	2.15	2.14	5.69	8.59	9.05	8.90	-0.15	-1.66	0.31	3.62
<b>Turkey</b>	1.18	1.32	1.48	1.48	2.46	2.55	2.58	2.69	2.89	3.37	3.81	3.98	0.16	4.30	0.61	18.02
<b>Others</b>	1.70	1.74	1.78	1.78	2.18	2.11	2.09	2.09	3.70	3.67	3.72	3.72	0.00	0.00	0.05	1.36

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			
	2020/21	Prel.	2022/23 Proj.		2020/21	Prel.	2022/23 Proj.		2020/21	Prel.	2022/23 Proj.		From last month		From last year	
		2021/22	Nov	Dec		2021/22	Nov	Dec		2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	129.00	130.93	135.03	135.05	2.86	2.72	2.89	2.90	368.52	355.61	390.53	391.17	0.64	0.16	35.56	10.00
<b>United States</b>	33.43	34.93	35.06	35.06	3.43	3.48	3.37	3.37	114.75	121.53	118.27	118.27	0.00	0.00	-3.26	-2.68
<b>Total Foreign</b>	95.57	96.01	99.97	99.99	2.66	2.44	2.72	2.73	253.77	234.08	272.26	272.90	0.64	0.24	38.83	16.59
<b>South America</b>																
Brazil	39.50	41.50	42.90	42.90	3.53	3.06	3.54	3.54	139.50	127.00	152.00	152.00	0.00	0.00	25.00	19.69
Argentina	16.47	15.90	16.50	16.50	2.81	2.76	3.00	3.00	46.20	43.90	49.50	49.50	0.00	0.00	5.60	12.76
Paraguay	3.15	3.30	3.45	3.45	3.14	1.27	2.90	2.90	9.90	4.20	10.00	10.00	0.00	0.00	5.80	138.10
Bolivia	1.43	1.40	1.43	1.43	2.32	2.14	2.17	2.17	3.32	3.00	3.10	3.10	0.00	0.00	0.10	3.33
Uruguay	0.95	1.10	1.10	1.10	1.88	2.80	2.27	2.27	1.79	3.07	2.50	2.50	0.00	0.00	-0.57	-18.57
<b>East Asia</b>																
China	9.88	8.40	9.35	9.35	1.98	1.95	1.97	1.97	19.60	16.40	18.40	18.40	0.00	0.00	2.00	12.20
Korea, South	0.06	0.05	0.06	0.06	1.47	2.06	1.73	1.73	0.08	0.11	0.10	0.10	0.00	0.00	-0.02	-14.41
Korea, North	0.16	0.17	0.17	0.17	1.40	1.44	1.44	1.44	0.23	0.24	0.24	0.24	0.00	0.00	0.00	0.00
Japan	0.14	0.15	0.15	0.15	1.54	1.63	1.55	1.55	0.22	0.24	0.23	0.23	0.00	0.00	-0.01	-2.52
<b>India</b>	12.92	12.50	12.70	12.70	0.81	0.95	0.91	0.94	10.45	11.90	11.50	12.00	0.50	4.35	0.10	0.84
<b>Canada</b>	2.04	2.13	2.10	2.12	3.12	2.94	3.10	3.09	6.36	6.27	6.50	6.54	0.04	0.66	0.27	4.32
<b>Former Soviet Union - 12</b>																
Russia	2.71	2.99	3.30	3.30	1.59	1.59	1.67	1.67	4.31	4.76	5.50	5.50	0.00	0.00	0.74	15.55
Ukraine	1.46	1.44	1.50	1.50	2.05	2.64	2.33	2.40	3.00	3.80	3.50	3.60	0.10	2.86	-0.20	-5.26
<b>European Union</b>	1.00	0.98	1.06	1.06	2.61	2.76	2.34	2.34	2.60	2.71	2.47	2.47	0.00	0.00	-0.24	-8.87
<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	2.50	2.50	0.64	0.54	0.55	0.55	0.00	0.00	0.01	1.85
<b>Mexico</b>	0.16	0.18	0.15	0.15	1.58	1.57	1.50	1.50	0.25	0.29	0.23	0.23	0.00	0.00	-0.06	-21.88
<b>Africa</b>																
South Africa	0.83	0.93	1.10	1.10	2.29	2.38	2.05	2.05	1.90	2.20	2.25	2.25	0.00	0.00	0.05	2.27
Nigeria	1.10	1.20	1.20	1.20	1.01	0.93	1.04	1.04	1.11	1.12	1.25	1.25	0.00	0.00	0.13	11.91
Zambia	0.16	0.30	0.38	0.38	1.81	1.35	1.27	1.27	0.30	0.41	0.48	0.48	0.00	0.00	0.06	15.57
Uganda	0.05	0.05	0.05	0.05	0.60	0.60	0.60	0.60	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
<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	0.49	0.49	2.06	2.03	2.05	2.05	1.01	0.95	1.01	1.01	0.00	0.00	0.06	6.65

World and Selected Countries and Regions

**Table 12 Cottonseed Area, Yield, and Production**

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	30.81	31.76	31.86	31.52	1.33	1.31	1.33	1.34	41.00	41.70	42.44	42.13	-0.31	-0.72	0.43	1.03
<b>United States</b>	3.33	4.16	3.19	3.19	1.22	1.16	1.21	1.23	4.05	4.83	3.87	3.92	0.06	1.47	-0.91	-18.78
<b>Total Foreign</b>	27.49	27.61	28.67	28.33	1.34	1.34	1.35	1.35	36.95	36.87	38.57	38.21	-0.36	-0.94	1.34	3.62
<b>South Asia</b>																
India	13.29	12.15	13.00	13.00	0.88	0.85	0.90	0.90	11.72	10.36	11.68	11.68	0.00	0.00	1.32	12.70
Pakistan	2.20	2.00	2.00	1.80	0.89	1.30	0.97	0.89	1.95	2.60	1.95	1.60	-0.35	-17.75	-1.00	-38.32
<b>China</b>	3.20	3.10	3.00	3.00	3.63	3.39	3.66	3.66	11.60	10.50	10.97	10.97	0.00	0.00	0.47	4.47
<b>Former Soviet Union - 12</b>																
Uzbekistan	1.06	1.06	1.07	1.07	1.16	1.00	0.99	0.99	1.23	1.06	1.06	1.06	0.00	0.00	0.00	0.00
Turkmenistan	0.55	0.55	0.55	0.55	0.66	0.64	0.64	0.64	0.36	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Tajikistan	0.16	0.17	0.17	0.17	1.11	1.09	1.11	1.11	0.18	0.19	0.19	0.19	0.00	0.00	0.00	1.08
Kazakhstan	0.11	0.12	0.13	0.13	0.95	0.90	0.94	0.94	0.11	0.10	0.12	0.12	0.00	0.00	0.01	13.59
<b>South America</b>																
Brazil	1.37	1.60	1.60	1.60	2.62	2.43	2.70	2.70	3.59	3.89	4.32	4.32	0.00	0.00	0.43	10.92
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	0.56	0.56	2.71	2.76	2.59	2.88	0.95	1.24	1.44	1.60	0.16	11.42	0.36	28.93
Syria	0.03	0.03	0.03	0.03	2.36	2.20	2.20	2.20	0.06	0.06	0.06	0.06	0.00	0.00	0.00	0.00
Iran	0.10	0.10	0.10	0.10	1.35	1.35	1.35	1.35	0.13	0.14	0.14	0.14	0.00	0.00	0.00	0.00
<b>Australia</b>	0.28	0.60	0.55	0.50	3.06	2.88	3.00	3.00	0.84	1.73	1.65	1.50	-0.15	-9.08	-0.23	-13.03
<b>European Union</b>	0.34	0.32	0.32	0.31	1.59	1.66	1.55	1.63	0.54	0.54	0.50	0.51	0.00	0.60	-0.03	-5.78
<b>Africa</b>																
Burkina Faso	0.56	0.60	0.65	0.63	0.47	0.45	0.41	0.43	0.26	0.27	0.27	0.27	0.00	0.00	0.00	0.38
Mali	0.17	0.72	0.74	0.69	0.51	0.56	0.47	0.45	0.08	0.40	0.35	0.31	-0.03	-9.86	-0.09	-23.02
Cameroon	0.23	0.23	0.24	0.24	1.51	1.39	1.35	1.35	0.34	0.32	0.33	0.33	0.00	0.00	0.01	1.56
Cote d'Ivoire	0.45	0.47	0.46	0.46	0.61	0.60	0.48	0.48	0.27	0.28	0.22	0.22	0.00	0.00	-0.06	-21.00
Benin	0.62	0.64	0.62	0.62	0.78	0.73	0.75	0.75	0.48	0.47	0.46	0.46	0.00	0.00	-0.01	-1.28
Tanzania	0.17	0.24	0.35	0.35	0.56	0.46	0.43	0.43	0.09	0.11	0.15	0.15	0.00	0.00	0.04	36.94
Egypt	0.07	0.09	0.13	0.13	1.00	1.00	0.98	0.98	0.07	0.09	0.13	0.13	0.00	0.00	0.04	50.59
Nigeria	0.27	0.27	0.27	0.27	0.56	0.56	0.56	0.56	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Uganda	0.10	0.10	0.10	0.10	1.40	1.40	1.49	1.49	0.14	0.14	0.15	0.15	0.00	0.00	0.01	6.43
Zimbabwe	0.24	0.25	0.24	0.24	0.39	0.33	0.34	0.34	0.09	0.08	0.08	0.08	0.00	0.00	0.00	0.00
Sudan	0.20	0.20	0.20	0.20	1.41	1.41	1.53	1.53	0.28	0.28	0.31	0.31	0.00	0.00	0.02	8.51
<b>Mexico</b>	0.15	0.15	0.20	0.20	2.40	2.71	2.39	2.39	0.35	0.42	0.48	0.48	0.00	0.00	0.06	14.63
<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	0.73	0.73	0.81	0.73	0.69	0.69	0.51	0.51	0.51	0.51	0.00	0.00	0.00	0.40

World and Selected Countries and Regions

**Table 13 Peanut Area, Yield, and Production**

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	2020/21	Prel. 2021/22	2022/23 Proj. Nov Dec		2020/21	Prel. 2021/22	2022/23 Proj. Nov Dec		2020/21	Prel. 2021/22	2022/23 Proj. Nov Dec		From last month MMT Percent		From last year MMT Percent	
<b>World</b>	29.93	30.89	29.62	29.67	1.68	1.63	1.70	1.70	50.26	50.43	50.27	50.32	0.05	0.10	-0.11	-0.22
<b>United States</b>	0.65	0.62	0.57	0.57	4.27	4.63	4.58	4.58	2.79	2.89	2.62	2.62	0.00	0.00	-0.27	-9.25
<b>Total Foreign</b>	29.27	30.26	29.05	29.10	1.62	1.57	1.64	1.64	47.46	47.55	47.65	47.70	0.05	0.10	0.15	0.32
<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	0.34	0.34	1.68	1.41	1.41	1.41	0.57	0.48	0.48	0.48	0.00	0.00	0.00	0.00
Chad	0.76	0.80	0.80	0.80	1.11	1.13	1.13	1.13	0.84	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Malawi	0.40	0.40	0.40	0.40	0.88	0.88	0.88	0.88	0.35	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Congo (Kinshasa)	0.50	0.50	0.50	0.50	0.90	0.90	0.90	0.90	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00
Niger	0.90	0.92	0.92	0.92	0.66	0.56	0.60	0.60	0.59	0.52	0.55	0.55	0.00	0.00	0.03	5.97
Mali	0.43	0.43	0.43	0.43	1.16	0.87	1.00	1.00	0.49	0.37	0.43	0.43	0.00	0.00	0.06	15.49
Uganda	0.34	0.40	0.40	0.40	0.99	0.75	0.75	0.75	0.34	0.30	0.30	0.30	0.00	0.00	0.00	0.00
Burkina Faso	0.65	0.60	0.60	0.60	0.97	0.80	0.83	0.83	0.63	0.48	0.50	0.50	0.00	0.00	0.02	4.82
Guinea	0.98	1.10	1.10	1.10	1.10	1.21	1.09	1.09	1.07	1.34	1.20	1.20	0.00	0.00	-0.14	-10.11
Egypt	0.06	0.06	0.06	0.06	3.20	3.20	3.20	3.20	0.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00
Central African Republic	0.10	0.10	0.10	0.10	1.50	1.50	1.50	1.50	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
South Africa	0.04	0.04	0.04	0.04	2.21	1.48	1.63	1.63	0.09	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Mozambique	0.35	0.38	0.38	0.38	0.30	0.34	0.34	0.34	0.10	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.16	0.15	0.15	0.15	1.40	1.45	1.45	1.45	0.23	0.21	0.21	0.21	0.00	0.00	0.00	0.00
Benin	0.17	0.19	0.19	0.19	1.01	0.92	0.92	0.92	0.18	0.18	0.18	0.18	0.00	0.00	0.00	0.00
<b>South Asia</b>																
India	6.02	5.60	5.50	5.50	1.11	1.21	1.21	1.21	6.70	6.80	6.65	6.65	0.00	0.00	-0.15	-2.21
Pakistan	0.14	0.15	0.10	0.15	0.90	0.94	0.91	0.93	0.12	0.15	0.09	0.14	0.05	53.85	-0.01	-3.45
<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	3.29	3.29	3.29	1.27	1.34	1.25	1.25	0.00	0.00	-0.09	-6.72
Brazil	0.17	0.20	0.21	0.21	3.86	3.68	3.66	3.66	0.64	0.72	0.75	0.75	0.00	0.00	0.03	4.46
<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	1.97	2.17	2.10	2.10	0.00	0.00	-0.07	-3.13



**Table 14 Sunflowerseed Area, Yield, and Production**

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	26.86	28.82	27.15	26.90	1.83	1.99	1.89	1.89	49.20	57.32	51.30	50.70	-0.60	-1.17	-6.62	-11.55
<b>United States</b>	0.67	0.50	0.66	0.66	2.01	1.71	2.00	2.00	1.35	0.86	1.32	1.32	0.00	0.00	0.46	52.78
<b>Total Foreign</b>	26.18	28.32	26.49	26.24	1.83	1.99	1.89	1.88	47.85	56.46	49.98	49.38	-0.60	-1.20	-7.08	-12.53
<b>Former Soviet Union - 12</b>																
Russia	8.35	9.61	9.70	9.40	1.59	1.62	1.75	1.76	13.27	15.57	17.00	16.50	-0.50	-2.94	0.93	5.96
Ukraine	7.00	7.10	4.60	4.60	2.01	2.46	2.20	2.17	14.10	17.50	10.10	10.00	-0.10	-0.99	-7.50	-42.86
Kazakhstan	0.75	0.94	1.05	1.05	1.13	1.10	1.05	1.05	0.84	1.03	1.10	1.10	0.00	0.00	0.07	6.59
<b>European Union</b>	4.44	4.36	4.77	4.82	2.00	2.35	1.99	1.97	8.90	10.25	9.48	9.48	0.00	0.00	-0.77	-7.55
<b>South America</b>																
Argentina	1.67	1.96	2.00	2.00	2.05	2.07	2.10	2.10	3.43	4.05	4.20	4.20	0.00	0.00	0.15	3.70
Uruguay	0.07	0.07	0.08	0.08	1.69	1.62	1.71	1.71	0.11	0.11	0.13	0.13	0.00	0.00	0.02	16.36
Bolivia	0.14	0.14	0.14	0.14	1.39	1.39	1.40	1.40	0.19	0.20	0.20	0.20	0.00	0.00	0.00	1.54
Brazil	0.03	0.04	0.04	0.04	1.13	1.62	1.60	1.60	0.04	0.06	0.06	0.06	0.00	0.00	0.00	6.67
Paraguay	0.03	0.03	0.03	0.03	1.53	1.55	1.56	1.56	0.05	0.05	0.05	0.05	0.00	0.00	0.00	4.17
<b>China</b>	0.87	0.89	0.95	0.95	2.94	2.73	2.79	2.79	2.57	2.42	2.65	2.65	0.00	0.00	0.23	9.32
<b>South Asia</b>																
India	0.23	0.25	0.28	0.28	0.82	0.76	0.78	0.78	0.19	0.19	0.22	0.22	0.00	0.00	0.03	13.16
Pakistan	0.06	0.10	0.10	0.10	1.43	1.38	1.35	1.35	0.09	0.14	0.14	0.14	0.00	0.00	-0.01	-4.26
<b>Middle East</b>																
Turkey	0.72	0.76	0.79	0.79	2.17	2.30	2.41	2.41	1.56	1.75	1.90	1.90	0.00	0.00	0.15	8.57
Iran	0.04	0.04	0.04	0.04	1.08	1.00	1.02	1.02	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00
Israel	0.00	0.00	0.00	0.00	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	0.67	0.60	0.60	1.42	1.26	1.42	1.42	0.68	0.85	0.85	0.85	0.00	0.00	0.00	0.47
<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	0.03	0.03	2.24	2.05	2.06	2.06	0.10	0.08	0.07	0.07	0.00	0.00	-0.01	-17.07
<b>Australia</b>	0.02	0.02	0.03	0.03	1.44	1.58	1.48	1.48	0.03	0.03	0.04	0.04	0.00	0.00	0.01	23.33
<b>Others</b>	0.62	0.67	0.64	0.64	1.98	2.54	2.07	2.07	1.23	1.69	1.32	1.32	0.00	0.00	-0.37	-22.00

World and Selected Countries and Regions

**Table 15 Rapeseed Area, Yield, and Production**

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		Prel.		2022/23 Proj.		From last month		From last year	
	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	2020/21	2021/22	Nov	Dec	MMT	Percent	MMT	Percent
<b>World</b>	34.92	37.85	40.11	40.11	2.12	1.95	2.11	2.10	73.89	73.95	84.82	84.34	-0.48	-0.56	10.39	14.05
<b>United States</b>	0.73	0.85	0.88	0.88	2.16	1.46	2.05	2.05	1.58	1.24	1.80	1.80	0.00	0.00	0.55	44.45
<b>Total Foreign</b>	34.19	37.00	39.23	39.23	2.12	1.97	2.12	2.10	72.32	72.71	83.02	82.54	-0.48	-0.57	9.84	13.53
<b>European Union</b>	5.32	5.33	5.92	5.92	3.14	3.23	3.30	3.30	16.73	17.22	19.50	19.50	0.00	0.00	2.28	13.27
<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	8.95	8.60	8.60	2.34	1.54	2.27	2.21	19.49	13.76	19.50	19.00	-0.50	-2.56	5.24	38.11
<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	0.25	0.32	0.35	0.35	1.35	1.47	1.33	1.40	0.34	0.47	0.47	0.49	0.03	5.38	0.02	4.26
Bangladesh	0.25	0.25	0.25	0.25	0.92	0.92	0.92	0.92	0.23	0.23	0.23	0.23	0.00	0.00	0.00	0.00
<b>Former Soviet Union - 12</b>																
Russia	1.45	1.62	2.20	2.20	1.77	1.71	1.77	1.77	2.57	2.78	3.90	3.90	0.00	0.00	1.13	40.54
Ukraine	1.19	1.04	1.15	1.15	2.31	2.91	2.78	2.78	2.75	3.02	3.20	3.20	0.00	0.00	0.19	6.14
Belarus	0.36	0.32	0.33	0.33	2.06	1.59	1.69	1.69	0.73	0.50	0.55	0.55	0.00	0.00	0.05	10.00
Kazakhstan	0.12	0.12	0.13	0.13	1.23	1.24	1.23	1.23	0.15	0.15	0.16	0.16	0.00	0.00	0.01	9.59
<b>Australia</b>	2.61	3.22	3.60	3.60	1.82	2.10	2.03	2.03	4.76	6.76	7.30	7.30	0.00	0.00	0.54	7.96
<b>South America</b>																
Chile	0.04	0.04	0.03	0.03	3.81	3.86	3.87	3.87	0.14	0.14	0.12	0.12	0.00	0.00	-0.02	-11.11
Paraguay	0.05	0.04	0.05	0.05	1.41	1.45	1.51	1.51	0.07	0.06	0.07	0.07	0.00	0.00	0.00	6.25
<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	0.52	0.52	2.02	2.03	1.88	1.88	0.67	0.83	0.99	0.99	0.00	0.00	0.16	19.06

World and Selected Countries and Regions

**Table 16 Copra, Palm Kernel, and Palm Oil Production**

Country / Region	Production (Million metric tons)				Change in Production			
	2020/21	Prel.	2022/23 Proj.		From last month		From last year	
		2021/22	Nov	Dec	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	11.40	12.12	11.60	-0.52	-4.29	0.20	1.75
Malaysia	4.34	4.45	4.75	4.75	0.00	0.00	0.30	6.74
Nigeria	0.82	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Thailand	0.79	0.83	0.86	0.86	0.00	0.00	0.03	3.61
Colombia	0.29	0.31	0.34	0.34	0.00	0.00	0.03	9.68
Guatemala	0.17	0.18	0.18	0.18	0.00	0.00	0.00	0.00
Papua New Guinea	0.16	0.17	0.17	0.17	0.00	0.00	0.01	6.25
Honduras	0.13	0.16	0.16	0.16	0.00	0.00	0.00	0.00
Brazil	0.14	0.15	0.15	0.15	0.00	0.00	0.01	7.14
Cameroon	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
World	19.05	19.27	20.39	19.87	-0.52	-2.55	0.60	3.11
<b>Oil, Palm</b>								
Indonesia	43.50	43.20	46.50	45.50	-1.00	-2.15	2.30	5.32
Malaysia	17.85	18.15	18.80	18.80	0.00	0.00	0.65	3.58
Thailand	2.96	3.15	3.26	3.26	0.00	0.00	0.11	3.49
Colombia	1.56	1.75	1.84	1.84	0.00	0.00	0.09	5.14
Nigeria	1.28	1.40	1.40	1.40	0.00	0.00	0.00	0.00
Guatemala	0.87	0.88	0.91	0.91	0.00	0.00	0.03	3.41
Papua New Guinea	0.60	0.63	0.65	0.65	0.00	0.00	0.03	4.84
Honduras	0.45	0.60	0.60	0.60	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.55	0.58	0.60	0.60	0.00	0.00	0.03	5.26
Brazil	0.55	0.55	0.57	0.57	0.00	0.00	0.02	3.64
World	73.08	73.83	78.22	77.22	-1.00	-1.28	3.39	4.59

World and Selected Countries and Regions

**Table 17 Cotton Area, Yield, and Production**

Country / Region	Area (Million hectares)				Yield (Kilograms per hectare)				Production (Million 480 lb. bales)				Change in Production			
	2020/21	Prel. 2021/22	2022/23 Proj.		2020/21	Prel. 2021/22	2022/23 Proj.		2020/21	Prel. 2021/22	2022/23 Proj.		From last month		From last year	
			Nov	Dec			Nov	Dec			Nov	Dec	MBales	Percent	MBales	Percent
<b>World</b>	31.37	32.32	32.41	32.06	774	780	782	786	111.47	115.73	116.43	115.73	-0.70	-0.60	0.00	0.00
<b>United States</b>	3.33	4.16	3.19	3.19	957	918	959	973	14.61	17.52	14.03	14.24	0.21	1.50	-3.28	-18.72
<b>Total Foreign</b>	28.04	28.16	29.22	28.88	752	759	763	765	96.86	98.21	102.40	101.49	-0.91	-0.89	3.28	3.34
<b>South Asia</b>																
India	13.29	12.15	13.00	13.00	452	437	461	461	27.60	24.40	27.50	27.50	0.00	0.00	3.10	12.70
Pakistan	2.20	2.00	2.00	1.80	445	653	490	448	4.50	6.00	4.50	3.70	-0.80	-17.78	-2.30	-38.33
<b>China</b>	3.20	3.10	3.00	3.00	2,014	1,882	2,032	2,032	29.60	26.80	28.00	28.00	0.00	0.00	1.20	4.48
<b>South America</b>																
Brazil	1.37	1.60	1.60	1.60	1,720	1,595	1,769	1,769	10.82	11.72	13.00	13.00	0.00	0.00	1.28	10.92
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	0.63	372	351	323	336	0.95	0.96	0.97	0.97	0.00	0.00	0.01	0.52
Mali	0.17	0.72	0.74	0.69	396	432	359	347	0.30	1.43	1.22	1.10	-0.12	-9.84	-0.33	-23.08
Cote d'Ivoire	0.45	0.47	0.46	0.46	494	486	393	393	1.01	1.05	0.83	0.83	0.00	0.00	-0.22	-20.95
Benin	0.62	0.64	0.62	0.62	513	483	492	492	1.45	1.42	1.40	1.40	0.00	0.00	-0.02	-1.41
Egypt	0.07	0.09	0.13	0.13	720	717	703	703	0.22	0.28	0.42	0.42	0.00	0.00	0.14	50.00
Cameroon	0.23	0.23	0.24	0.24	658	606	590	590	0.68	0.64	0.65	0.65	0.00	0.00	0.01	1.56
Tanzania	0.17	0.24	0.35	0.35	284	231	218	218	0.22	0.26	0.35	0.35	0.00	0.00	0.10	37.25
Nigeria	0.27	0.27	0.27	0.27	282	282	282	282	0.35	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Zimbabwe	0.24	0.25	0.24	0.24	222	191	195	195	0.25	0.22	0.22	0.22	0.00	0.00	0.00	0.00
Ethiopia	0.08	0.08	0.08	0.08	637	637	637	637	0.24	0.24	0.24	0.24	0.00	0.00	0.00	0.00
<b>Former Soviet Union - 12</b>																
Uzbekistan	1.06	1.06	1.07	1.07	647	555	549	549	3.15	2.70	2.70	2.70	0.00	0.00	0.00	0.00
Turkmenistan	0.55	0.55	0.55	0.55	368	356	356	356	0.92	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Tajikistan	0.16	0.17	0.17	0.17	619	608	615	615	0.46	0.48	0.48	0.48	0.00	0.00	0.01	1.05
Kazakhstan	0.11	0.12	0.13	0.13	534	502	523	523	0.27	0.27	0.30	0.30	0.00	0.00	0.04	13.21
<b>Middle East</b>																
Turkey	0.35	0.45	0.56	0.56	1,804	1,839	1,726	1,922	2.90	3.80	4.40	4.90	0.50	11.36	1.10	28.95
Syria	0.03	0.03	0.03	0.03	1,219	1,132	1,132	1,132	0.14	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Iran	0.10	0.10	0.10	0.10	871	871	871	871	0.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00
<b>Australia</b>	0.28	0.60	0.55	0.50	2,217	2,087	2,177	2,177	2.80	5.75	5.50	5.00	-0.50	-9.09	-0.75	-13.04
<b>Mexico</b>	0.15	0.15	0.20	0.20	1,532	1,725	1,524	1,524	1.02	1.22	1.40	1.40	0.00	0.00	0.18	14.75
<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	1.81	1.79	575	560	535	541	4.56	4.56	4.45	4.46	0.01	0.18	-0.10	-2.17

World and Selected Countries and Regions

**TABLE 18**

The table below presents a record of the December projection and the final Estimate. Using world wheat production as an example, the "root mean square error" means that chances are 2 out of 3 that the current forecast will not be above or below the final estimate by more than 0.8 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 1.3 percent. The average difference between the December projection and the final estimate is 3.7 million tons, ranging from 0.4 million to 10.2 million tons. The December projection has been below the estimate 30 times and above 11 times.

**RELIABILITY OF PRODUCTION PROJECTIONS 1/**

COMMODITY AND REGION	Root mean square error	90 percent confidence interval	Difference between forecast and final estimate				
			Average	Smallest	Largest	Years	
						Below final	Above final
	Percent		---Million metric tons---				
<b>WHEAT</b>							
World	0.8	1.3	3.7	0.4	10.2	30	11
U.S.	0.4	0.7	0.2	0.0	1.2	21	14
Foreign	0.9	1.5	3.7	0.3	10.3	30	11
<b>COARSE GRAINS 2/</b>							
World	1.4	2.4	12.3	0.0	36.0	30	11
U.S.	1.3	2.2	2.5	0.0	9.9	19	22
Foreign	2.0	3.4	12.3	0.3	37.5	29	12
<b>RICE (Milled)</b>							
World	1.9	3.2	5.6	0.0	16.2	33	8
U.S.	2.8	4.7	0.1	0.0	0.5	20	16
Foreign	1.9	3.3	5.6	0.1	16.2	34	7
<b>SOYBEANS</b>							
World	3.8	6.5	6.0	0.1	26.2	22	19
U.S.	2.0	3.4	1.1	0.1	4.7	18	23
Foreign	6.3	10.6	6.0	0.1	27.3	19	22
<b>COTTON</b>			---Million 480-lb. bales---				
World	3.2	5.3	2.4	0.0	7.2	23	17
U.S.	2.5	4.3	0.3	0.0	1.3	18	22
Foreign	3.7	6.2	2.3	0.0	7.1	22	18
<b>UNITED STATES</b>			-----Million bushels-----				
<i>CORN</i>	1.3	2.3	94	0	396	20	20
<i>SORGHUM</i>	4.1	7.0	15	1	53	21	20
<i>BARLEY</i>	1.6	2.6	4	0	24	19	10
<i>OATS</i>	1.1	1.8	2	0	18	8	9

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

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

December 2022

Global Market Analysis, FAS, USDA