



United States
Department of
Agriculture

Foreign
Agricultural
Service

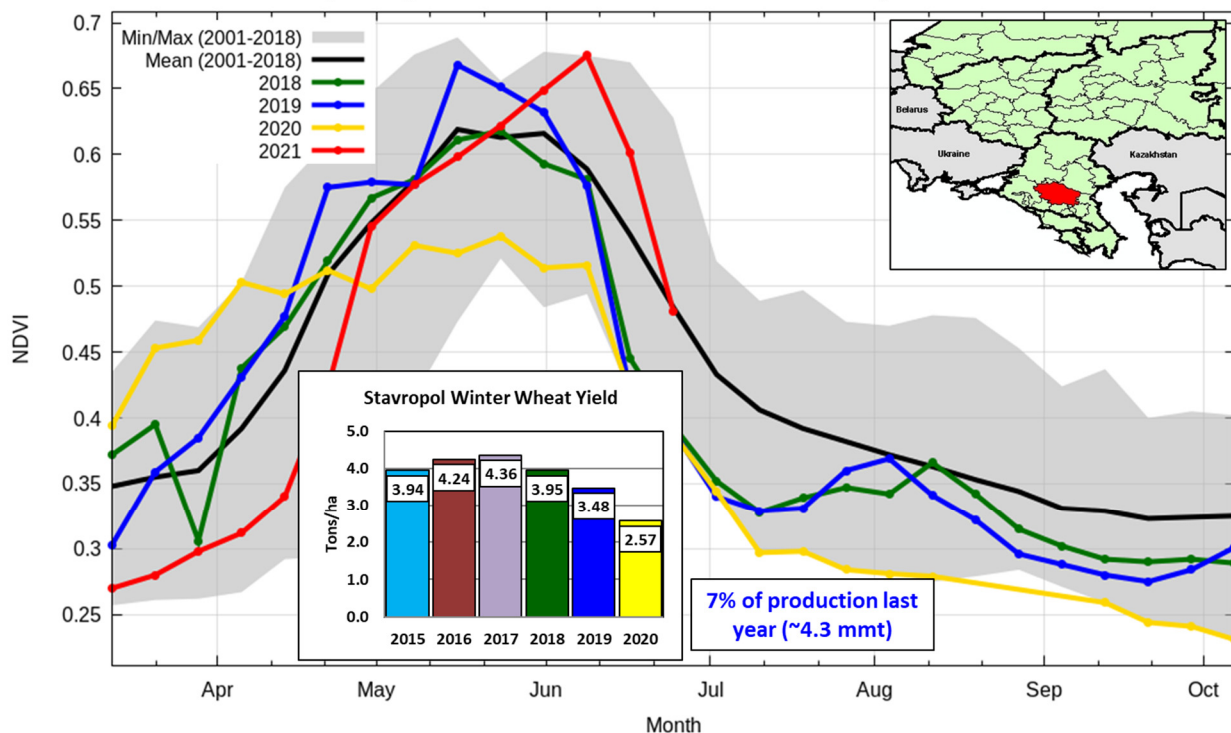
Circular Series
WAP 7-21
July 2021

World Agricultural Production

Russia Wheat: Favorable Weather Boosts Winter Wheat Yield while Heat Threatens Spring Wheat Prospects

Russia wheat production for the 2021/22 crop year is estimated at 85.0 million metric tons (mmt), down 1 percent from last month and down slightly from last year's record, but up 9 percent from the 5-year average. The estimate includes 64.0 mmt of winter wheat and 21.0 mmt of spring wheat. USDA crop production estimates for Russia exclude forecast output from Crimea. The all wheat yield is estimated at 2.93 tons per hectare, down 2 percent from last year. Total harvested area is expected to increase slightly from last year to a record 29.0 million hectares.

Russia Stavropol (North Caucasus District): MODIS NDVI



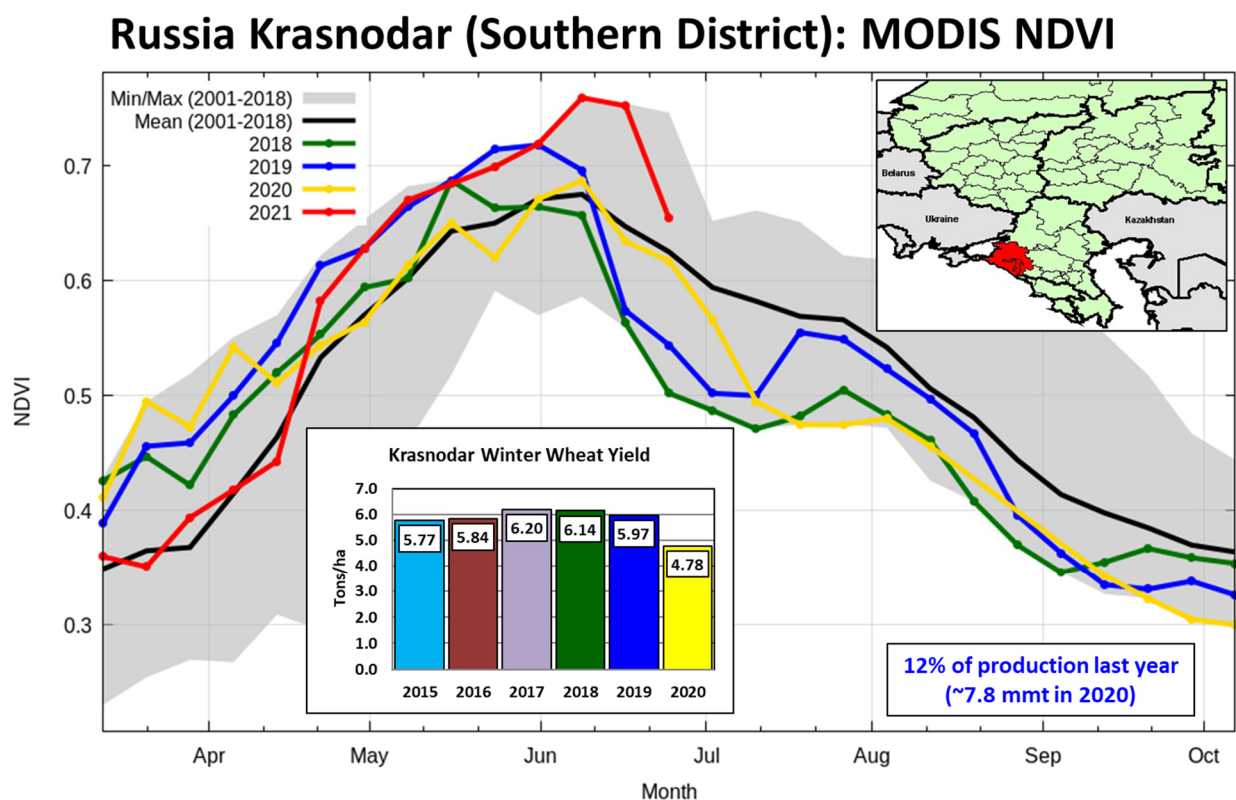
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Source: USDA/NASA Global Agriculture Monitoring Project (GLAM)

Winter wheat area was revised down due to reports of increased winterkill from ROSSTAT, Russia's statistical agency. The most likely reason for this is unfavorable weather between late-February and early-March. Warm temperatures caused melting of the water in the top layer of the

Approved by the World Agricultural Outlook Board

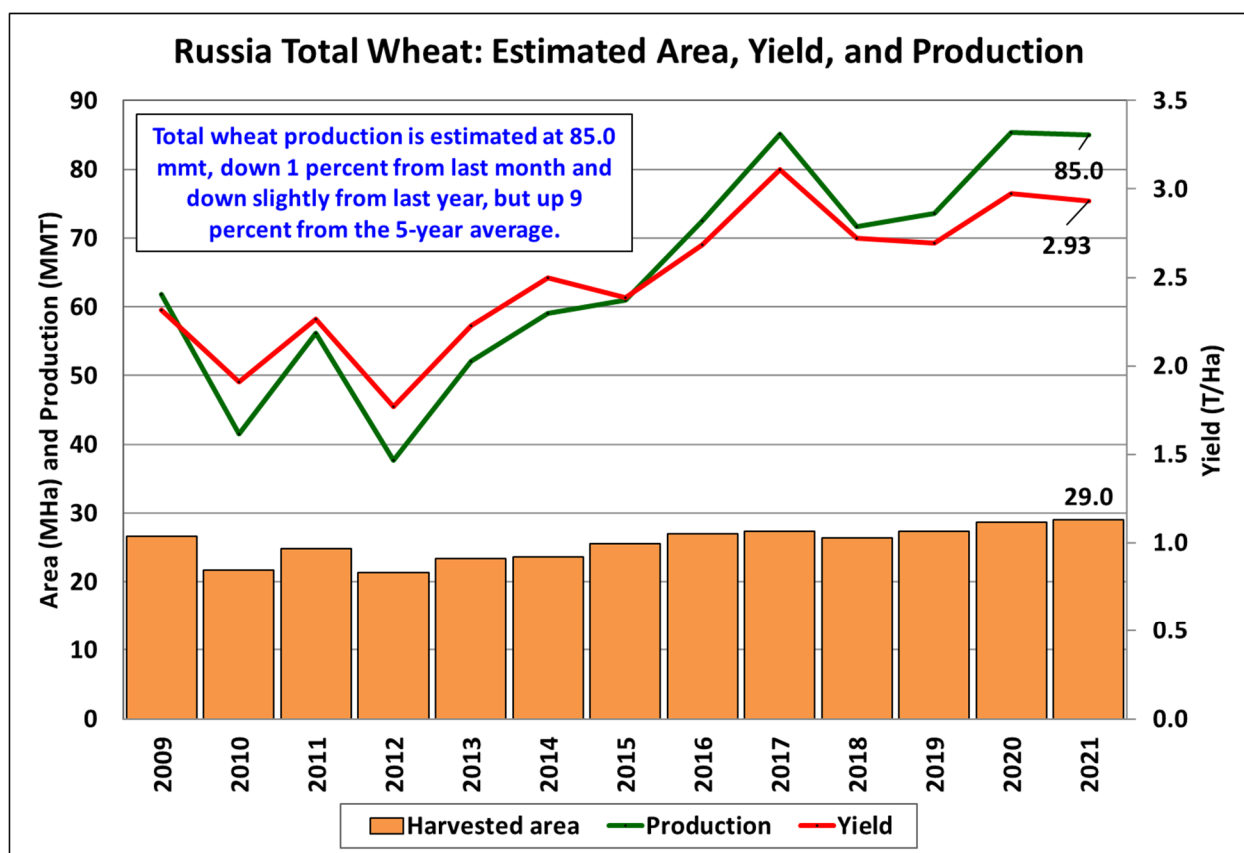
soil profile in late-February. Cold weather, which spread mostly through the Central and the Volga Districts in early-March caused the soil water to re-freeze, damaging winter crops. This information was supported by satellite imagery from the Soil Moisture Active Passive (SMAP) system, which provides routine soil moisture and freeze/thaw observations. According to the Russian Ministry of Agriculture report from June 21, part of the damaged areas was re-planted with spring wheat and other crops, which resulted in higher spring wheat area than initially forecasted.



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

Winter wheat typically flowers between late-May and early-June. Timely rainfall provided beneficial moisture for crop development, boosting winter wheat yields across the most southern districts of Russia, the North Caucasus, and the Southern Districts. Satellite-derived Normalized Difference Vegetation Index (NDVI) depicts a jump in the vegetation vigor during the key yield formation stages indicating high yield potential this season. Conversely, the spring wheat yield, was revised down relative to last month due to heat and dryness in the central spring wheat growing areas.



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Source: USDA PSD Online

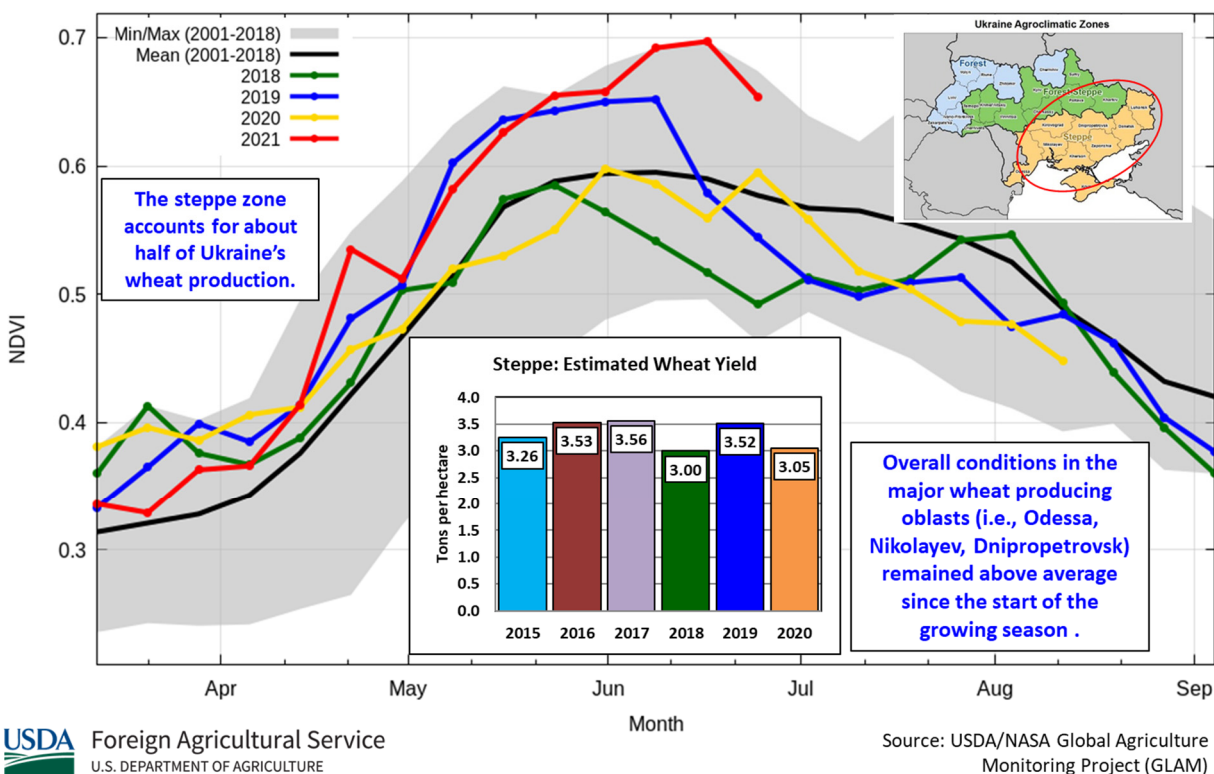
Winter wheat is grown in European Russia (including the Southern, Central, Volga, and North Caucasus Districts) and typically accounts for about 70 percent of production. Spring wheat is mainly planted in the regions bordering Kazakhstan, notably the Volga, Urals and Siberian Districts of Russia. Harvest of winter wheat this season began on time and has started in the southern production regions. 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 Iliana.Mladenova@usda.gov.*)

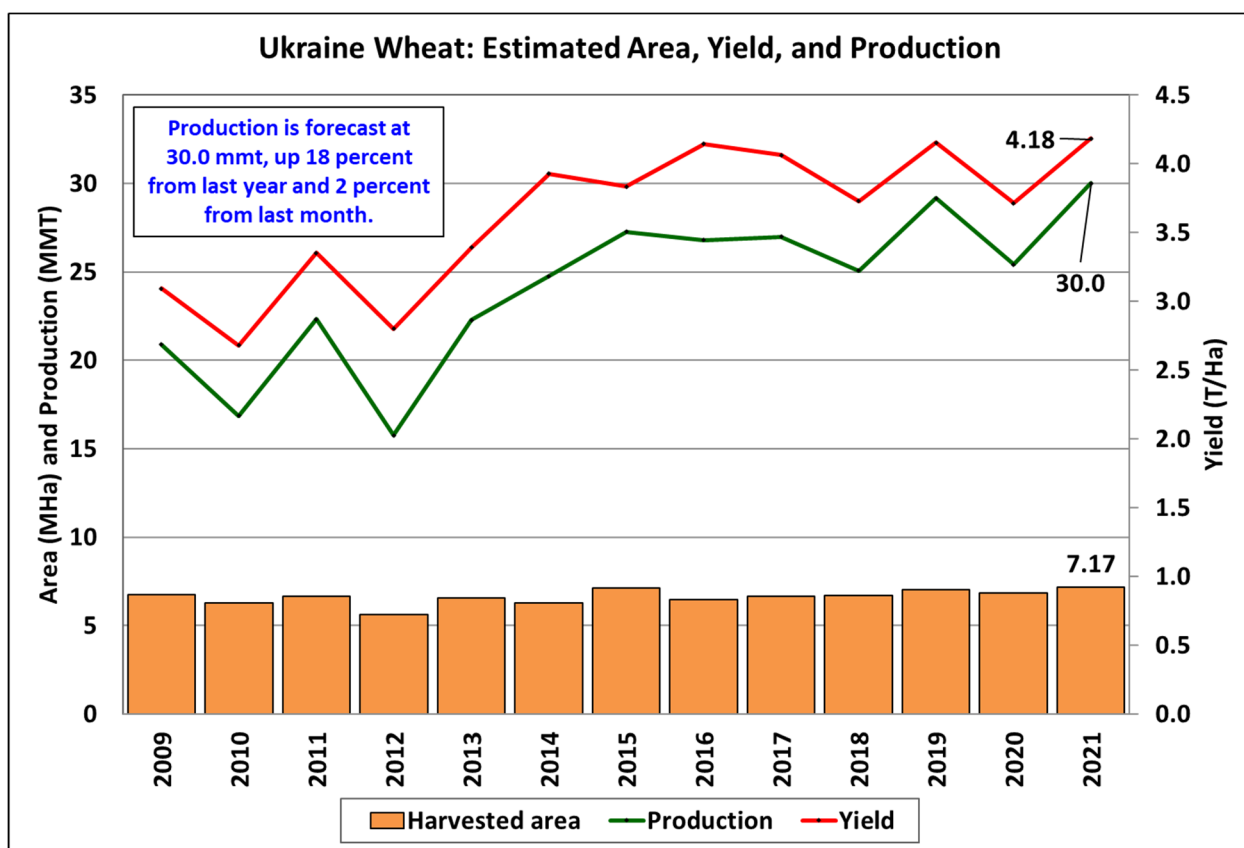
Ukraine Wheat: Higher Yield Boosts Production

Ukraine wheat production for marketing year 2021/22 is forecast at 30.0 million metric tons, up 18 percent from last year, 2 percent from last month, and 12 percent from the 5-year average. Yield is forecast at a record 4.18 tons per hectare, up 13 percent from last year and 2 percent from last month. Harvested area is estimated at 7.2 million hectares, up 5 percent from last year.

Ukraine: Steppe Zone



Winter wheat accounts for about 97 percent of Ukraine wheat area. The month-to-month increase in yield is due to favorable spring weather, which aided crop development. As shown in the satellite-derived Normalized Difference Vegetation Index (NDVI) image, vegetation vigor was much above average in the Steppe zone, which accounts for about 50 percent of Ukraine's winter wheat production. Widespread spring rainfall also helped crop development and improved crop conditions in the northern Forest-Steppe zone. Harvest of winter wheat is expected to begin on time in July.



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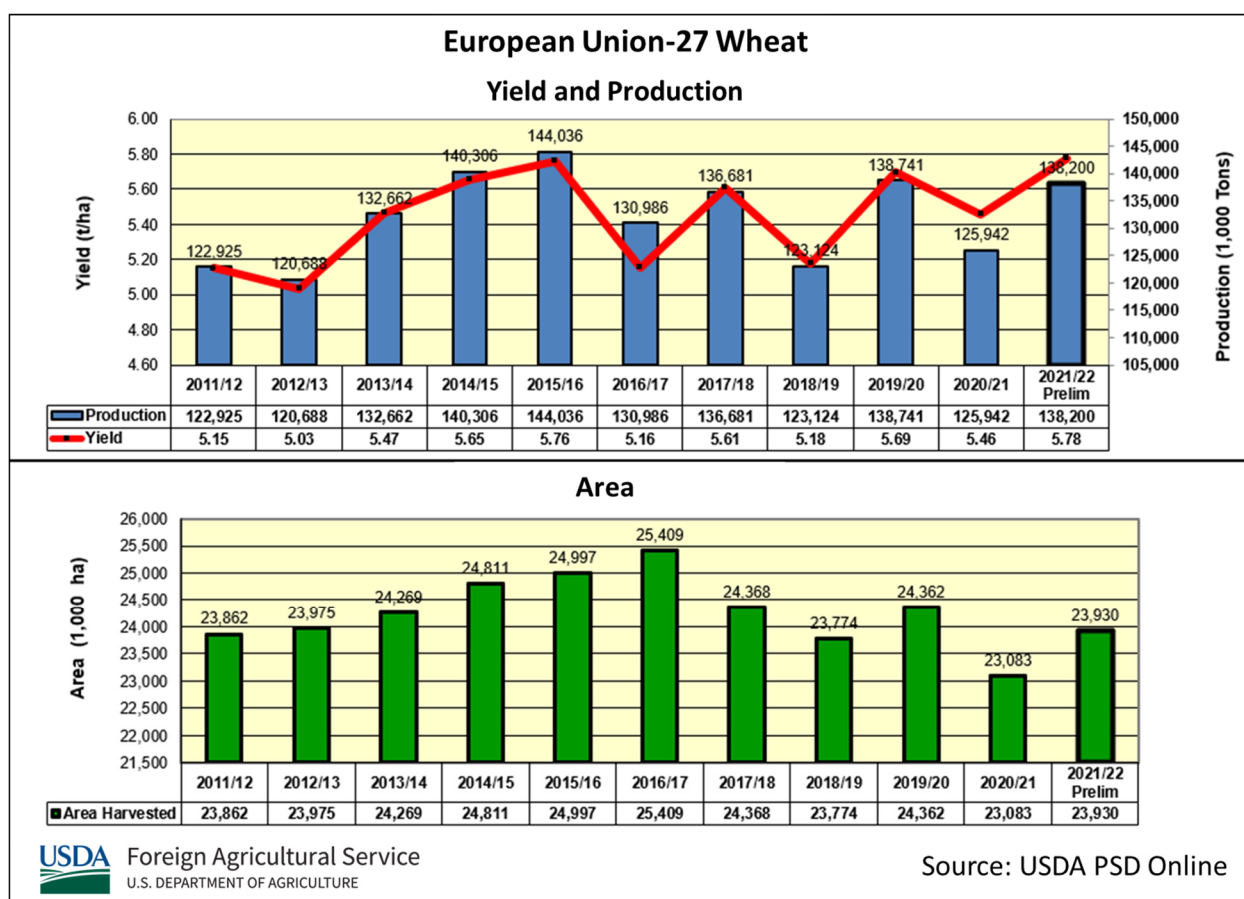
Source: USDA PSD Online

Planting of spring wheat is complete. June rain showers maintained above-average soil moisture and provided favorable conditions for crop establishment.

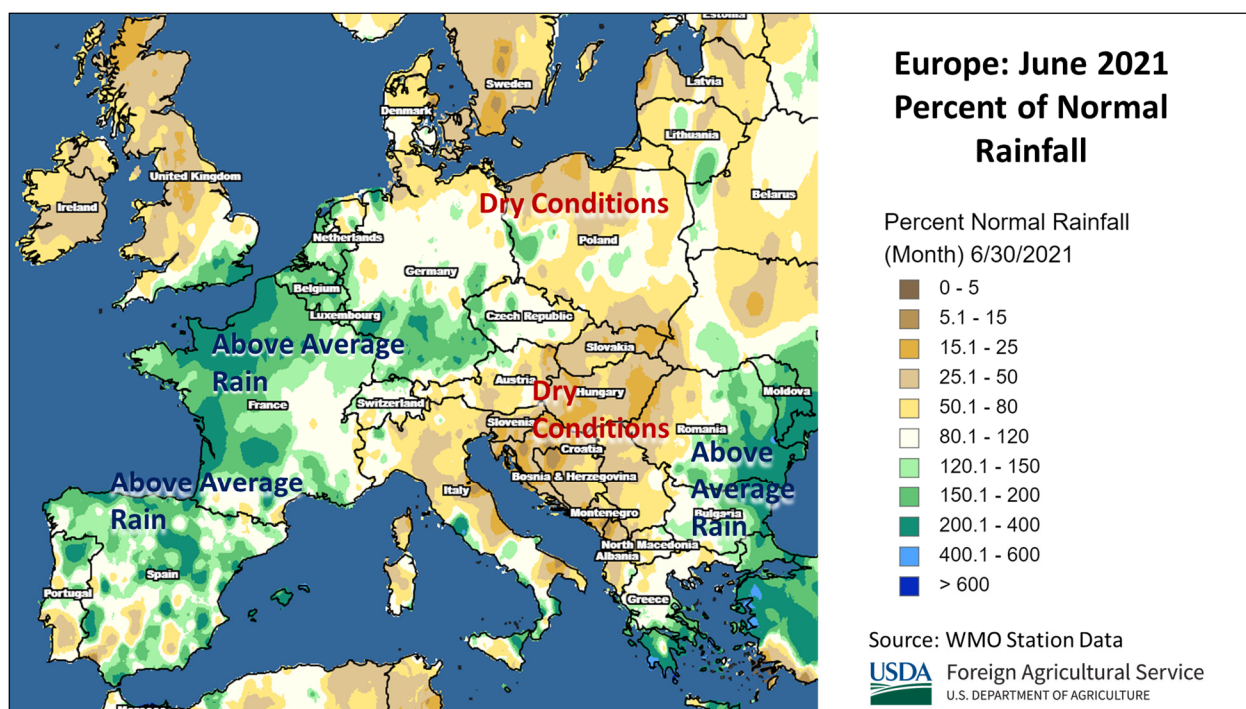
USDA crop production estimates for Ukraine include estimated output from Crimea. *(For more information, please contact Iliana.Mladenova@usda.gov.)*

EU Wheat: Production Raised on Improved Weather

European Union-27 (EU) wheat production is estimated at 138.2 million metric tons (mmt), up 0.7 mmt from last month, 12.3 mmt from last year and 5 percent above the 5-year average. Harvested area is estimated at 23.9 million hectares (mha), up 80,000 ha from last month, and 0.8 mha or 4 percent higher than last year, but 1 percent below the 5-year average. Yield is estimated at 5.78 tons per hectare, up slightly from last month, 6 percent from last year, and 7 percent above the 5-year average.



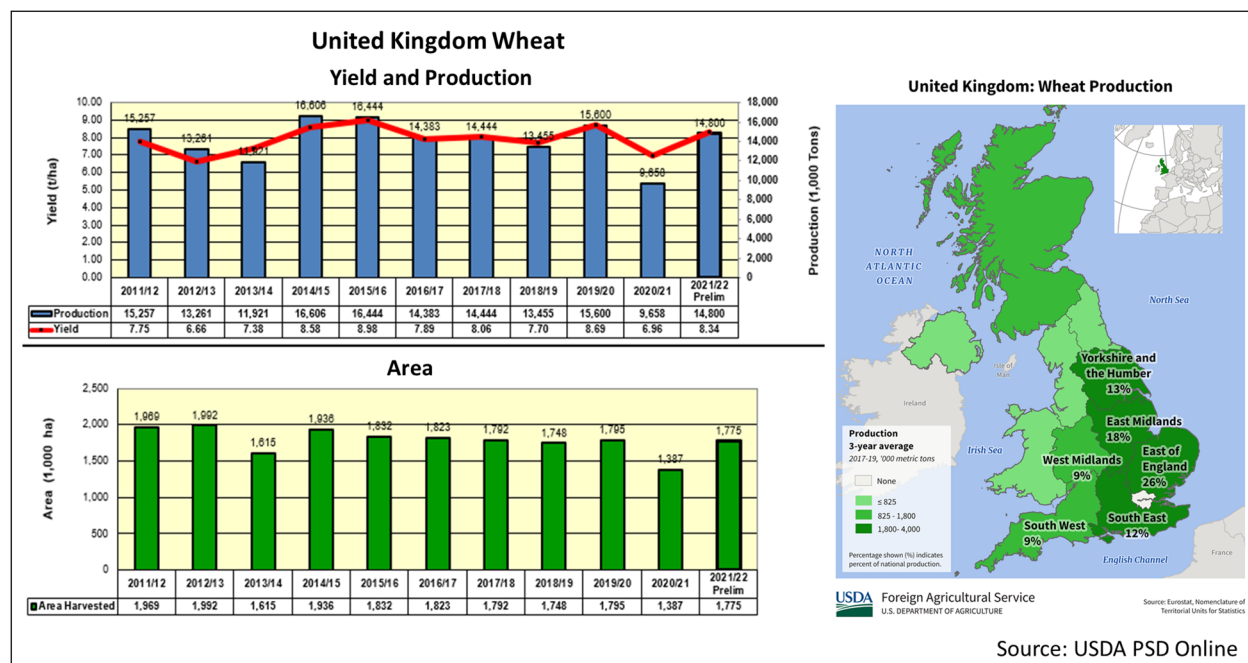
A cold, dry April, followed by a cooler-than-average May, delayed the wheat crop by one to two weeks. The above-average rainfall in May, however, erased growing concerns about dryness during April and early May in much of Europe. Satellite-derived Normalized Difference Vegetation Index (NDVI) depicts a jump in the vegetation vigor in wheat growing areas of Europe during June and into July. While increased temperatures have assisted with advancing crop maturation, harvest remains late in much of Europe, but should begin in earnest during early or mid-July. While dryness has been persistent in the Central European Plain (Hungary/western Romania/eastern Austria), observers continue to report high yields.



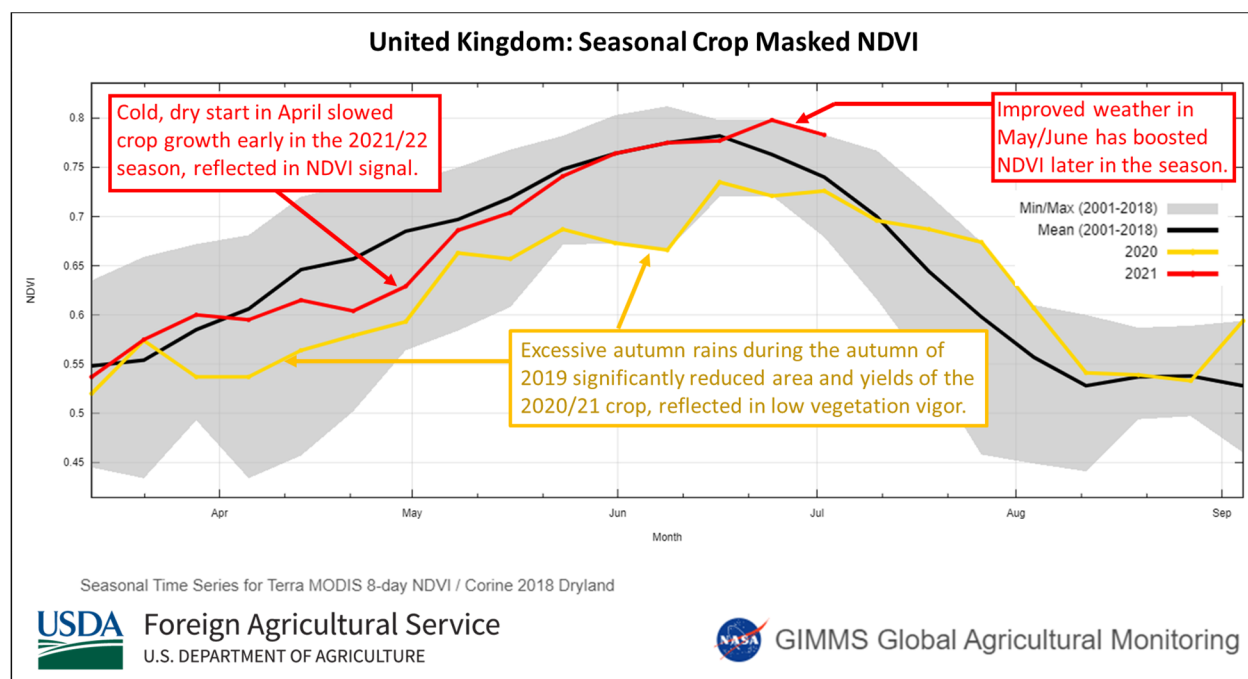
The largest EU changes this month include France – the EU’s largest wheat producer – with production estimated up 0.6 mmt to 38.1 mmt, of combined soft and durum wheat. Recent rains in France have created quality concerns and have further delayed the harvest. Romania, where much of the country continues to receive very favorable precipitation, particularly in its highest-productive southeastern region, is up 0.3 mmt to 9.5 mmt. Similarly, Bulgaria, has benefitted from above-average rainfall, with production estimated up 0.2 mmt to 6.1 mmt. Wheat in Poland is estimated down 0.3 mmt to 11.7 mmt due to dryness.

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.)

United Kingdom Wheat: Production Rises from Beneficial Rain and Warmer Temperatures

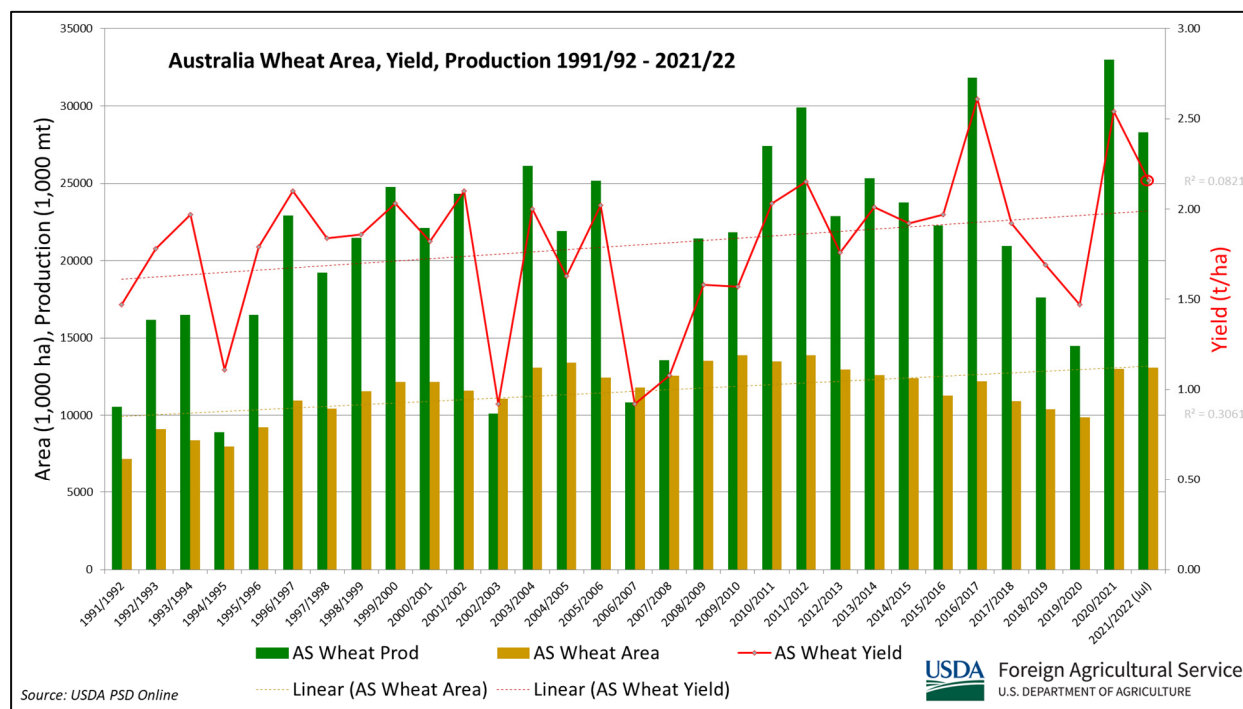


Wheat production in the United Kingdom (UK) is estimated at 14.8 million metric tons (mmt), up 0.7 mmt from last month, up 5.1 mmt from last year and 10 percent above the 5-year average. Area is estimated at 1.8 million hectares (mha), unchanged from last month, 28 percent higher than last year, and 4 percent above the 5-year average. Yield is estimated at 8.34 tons per hectare, up 5 percent from last month, up 20 percent from last year, and up 6 percent from the 5-year average. The previous season (marketing year 2020/2021) was particularly poor due to heavy rains at planting, which significantly lowered area and yield.

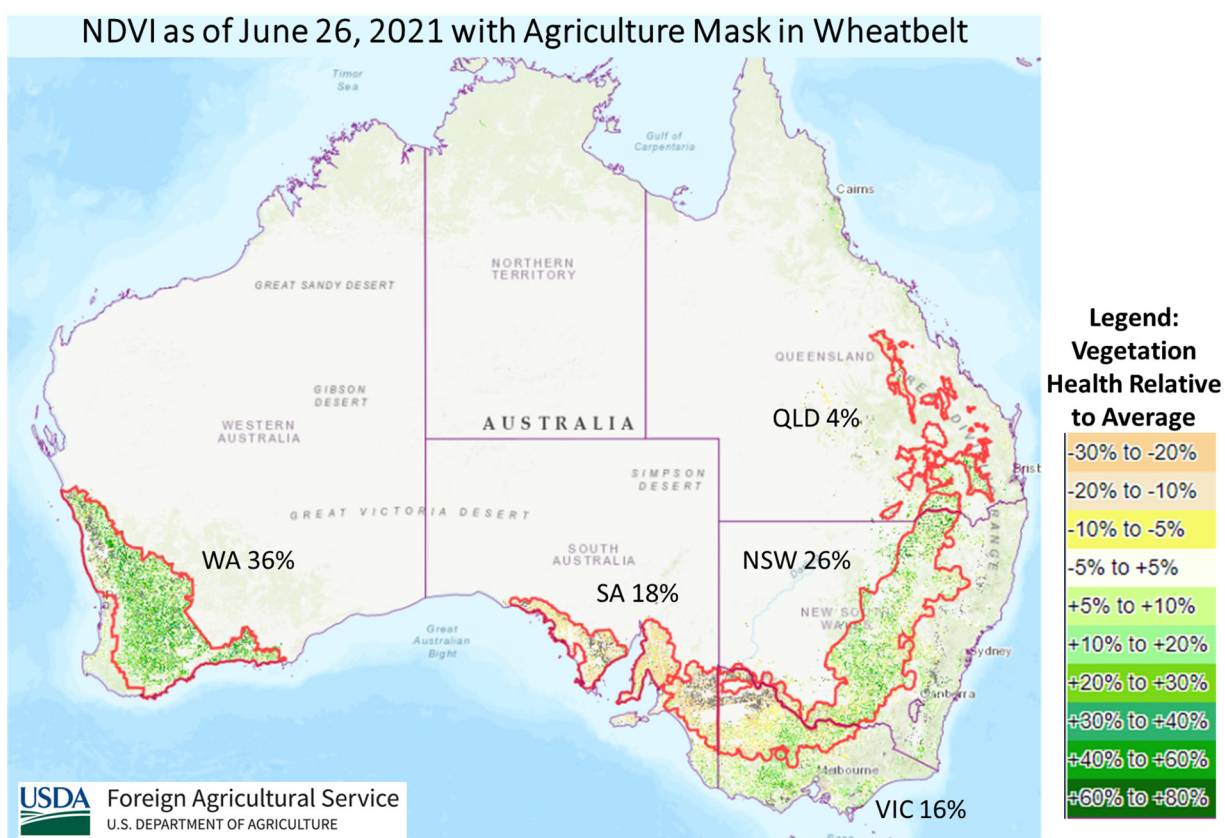


After a cool and dry April and early May had slowed wheat development, relief came in late May and June with above-average rainfall and higher temperatures. These conditions reduced the delay in development and facilitated crop improvement. Satellite-derived Normalized Difference Vegetation Index (NDVI) depicts a responding jump in the vegetation vigor and improved crop conditions in late June and July. (For more information, please contact Bryan.Purcell@usda.gov.)

Australia Wheat: Production Revised Higher



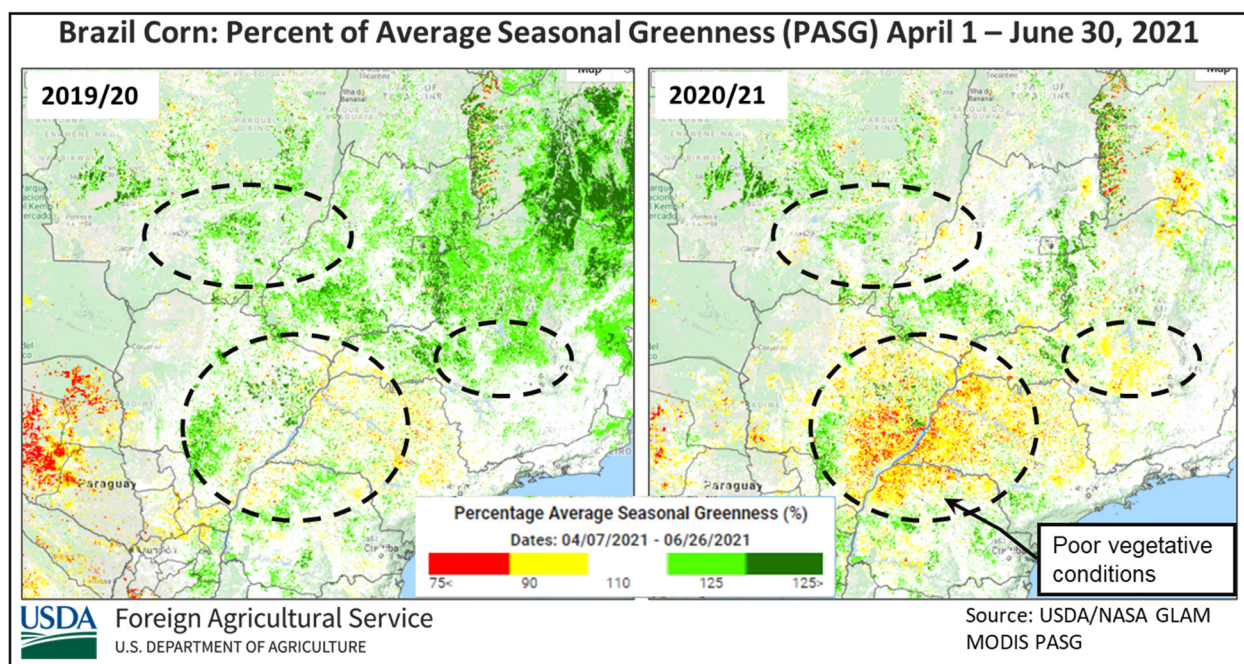
USDA forecasts Australia marketing year 2021/22 wheat production at 28.5 million metric tons (mmt), up 1.5 mmt or 6 percent from last month, but down 4.5 mmt or 14 percent from last year's record. Area is estimated at 13.1 million hectares (mha), down 0.1 mha from last month, but up 0.1 mha or 1 percent from last year. Yield is forecast at 2.18 tons per hectare (t/ha), up 6 percent from last month, but down 14 percent from last year.



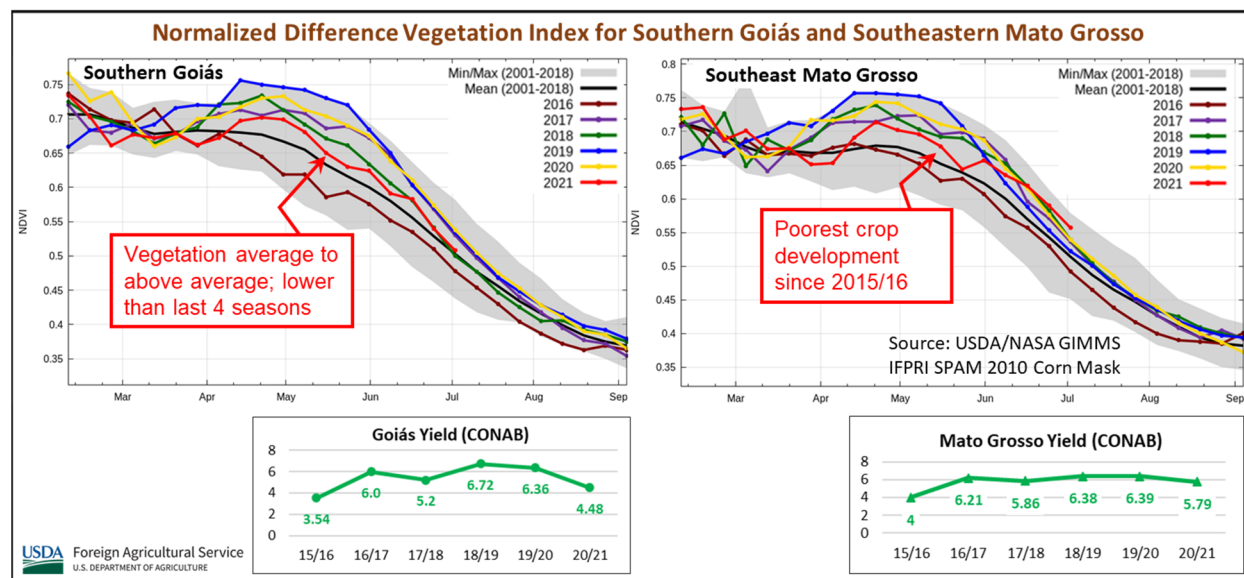
The area revision is largely based on the latest information from the Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES). Yield potential remains above-average particularly in the two largest producing states of Western Australia (36 percent) and New South Wales (26 percent). Abundant precipitation prior to sowing and again in June benefited emergence and crop establishment. Recent satellite-derived Normalized Difference Vegetation Index (NDVI) depicts strong crop vigor, especially in the wheat belt of New South Wales and Western Australia. *(For more information, please contact James.Crutchfield@usda.gov.)*

Brazil Corn: Drought Results in Further Cuts to Production for MY2020/21 Crop

USDA estimates total corn production for marketing year (MY) 2020/21 in Brazil at 93.0 million metric tons (mmt), lower by 6 percent from last month, and lower by 9 percent from the previous year's record crop. Total harvested area, for all three corn crops, is estimated at a record 19.9 million hectares (mha), unchanged from last month, and up 1.4 mha (7 percent) from the previous year's record area of 18.5 mha. Yield is estimated at 4.68 tons per hectare (t/ha), about 6 percent lower than last month and 15 percent below last year's crop. This yield is 10 percent lower than the 5-year average of 5.20 t/ha because of dry weather during most of the second crop corn season.



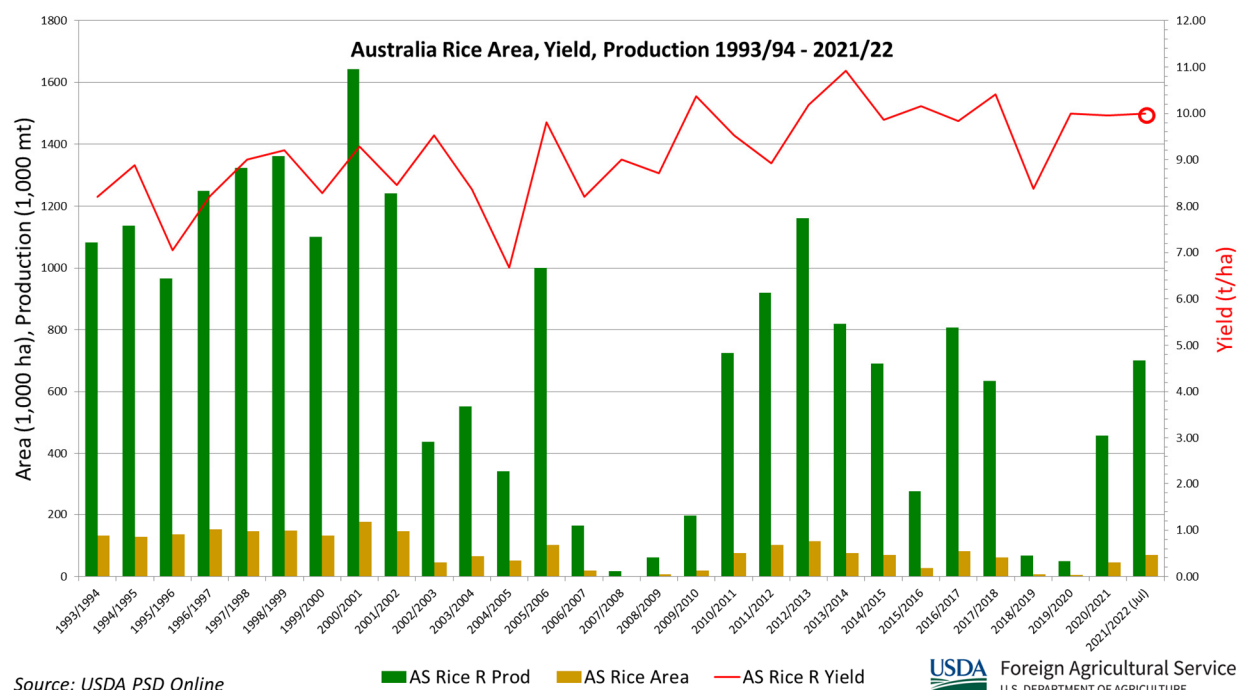
Harvest is almost complete for the first-season corn at 95 percent with a small portion remaining in the northeastern states. Production for this crop is estimated at 24.9 mmt on an area of 4.4 mha by *Companhia Nacional de Abastecimento* (CONAB, an agency in the Brazilian Ministry of Agriculture), lower by less than 1 mmt from last year's first-season output, with yield down 6 percent at 5.69 t/ha.



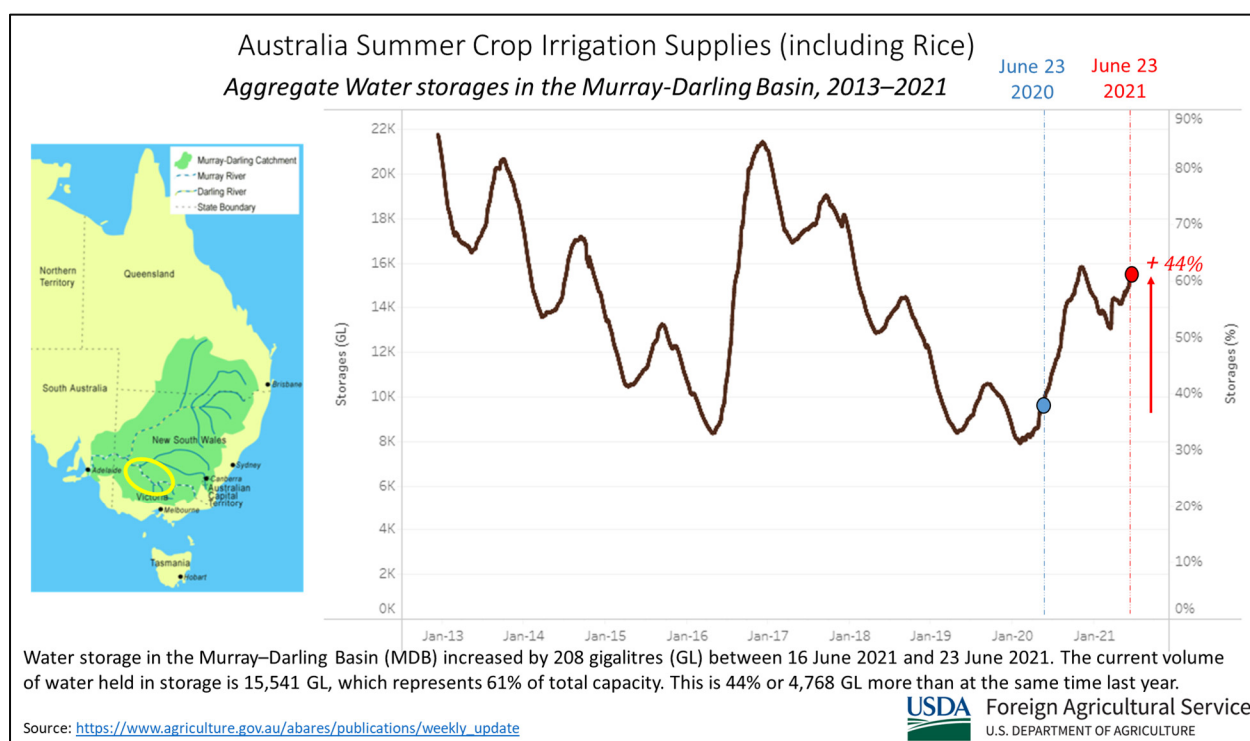
The lack of rainfall continued in the major *safrinha* corn growing areas during the month of June, exacerbating crop stress and reducing yield prospects. The lack of moisture occurred during sensitive growth stages when moisture is needed for kernel development. Comparison of the satellite-derived Percent of Average Seasonal Greenness (PASG) for the three-month period from April to June for the MY 2020/21 season and the MY 2019/20 season, displays lower crop vigor

this season for large parts of Paraná, Mato Grosso do Sul, Minas Gerais, and São Paulo (36 percent of *safrinha* production). The southern Goiás and southeastern Mato Grosso regions also exhibit the lowest vegetation biomass of the past five years, as indicated by the satellite-derived normalized vegetation index (NDVI). Harvest commenced for the *safrinha* crop with about 15 percent harvested thus far. (For more information, please contact Sunita.Yadav-Pauletti@usda.gov.)

Australia Rice: Substantial Production Increase Over Last Season



Australia rice production for marketing year 2021/22 is forecast at 800,000 metric tons (mt) on a paddy basis, up 100,000 mt (14 percent) from last month and up 342,000 mt or 75 percent from last season. Area is forecast at 80,000 hectares (ha), up 10,000 ha from last month and up 34,000 ha from last season. Yield is forecast at 10.00 metric tons per hectare, similar to last year, and 3 percent above the 5-year average.

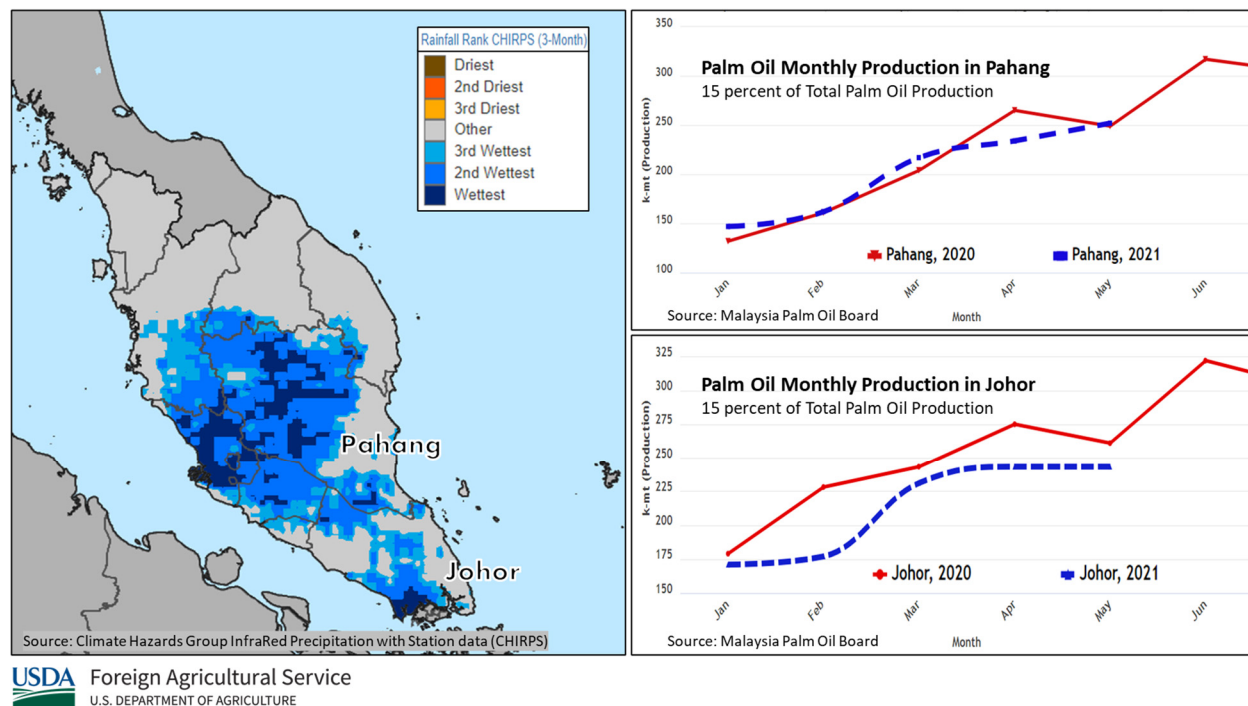


Rice is sown from October to December and harvested from March to May. Precipitation thus far has been average to above average during the past 6 months in the main rice-producing area and river catchments of southern New South Wales, resulting in reservoir recharge. Area planted to rice will expand because of increased water allocations, increased availability of irrigation water, and higher returns relative to cotton. Australian farmers are benefiting from increased medium grain rice prices due to the drought in California. *(For more information, please contact James.Crutchfield@usda.gov.)*

Malaysia Palm Oil: Downward Trend Continues for MY 2020/21 Production

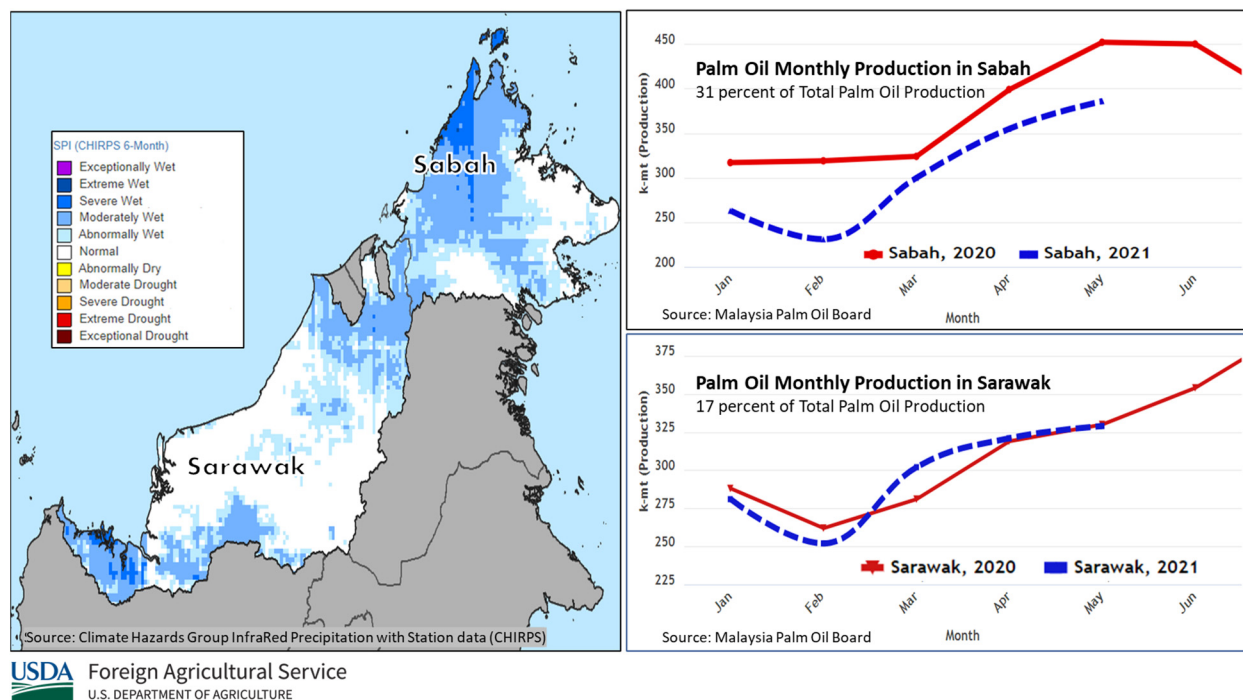
USDA estimates Malaysia marketing year (MY) 2020/21 palm oil production at 18.2 million metric tons, down 2 percent from last month and 6 percent from MY 2019/20. The estimated output would be the lowest since 2015 and on par with the MY 2011/12 production estimate. Harvested area is estimated at 5.4 million hectares, unchanged from last month, but up 1 percent from last year. Yield is estimated at 3.37 tons per hectare, down 2 percent from last month, and 6 percent from last year. The current yield estimate would mark the lowest since MY 1997/98.

Record Rainfall (Apr 01 – Jun 30) Impacting Palm Oil Monthly Production (2020 vs 2021)



Malaysia's MY 2020/21 palm oil season has been adversely affected by well-above-average rainfall. As a result, a downward trend in estimated palm oil production continues. Since January, observed rainfall has reached record amounts in Peninsular Malaysia and has persistently been well-above average in Eastern Malaysia. These extreme rainfall occurrences have resulted in ongoing localized harvest disruptions in the main oil palm states and have led to significant monthly Crude Palm Oil (CPO) output lows, most notably in Johor, Pahang, Sabah and Sarawak. According to the Malaysia Palm Oil Board, the latest Malaysia CPO data released for the month of May was estimated 5 percent down from the MY 2019/20 season and slightly down from the 5-year average. May's CPO output changed for the main palm oil states of Johor (down 7 percent), Pahang (up 1 percent), Sabah (down 15 percent) and Sarawak (down less than 1 percent) as compared to the MY 2019/20 season. Local reports indicate persistent rainfall stemming from La Niña has negatively impacted the CPO monthly output and yields as workers ability to harvest oil palm has been limited. Additionally, there have been ongoing labor shortages due in part to the COVID-19 pandemic as the Malaysian government closed borders and froze hiring foreign workers. Foreign workers make up more than 75 percent of Malaysia's palm oil workforce.

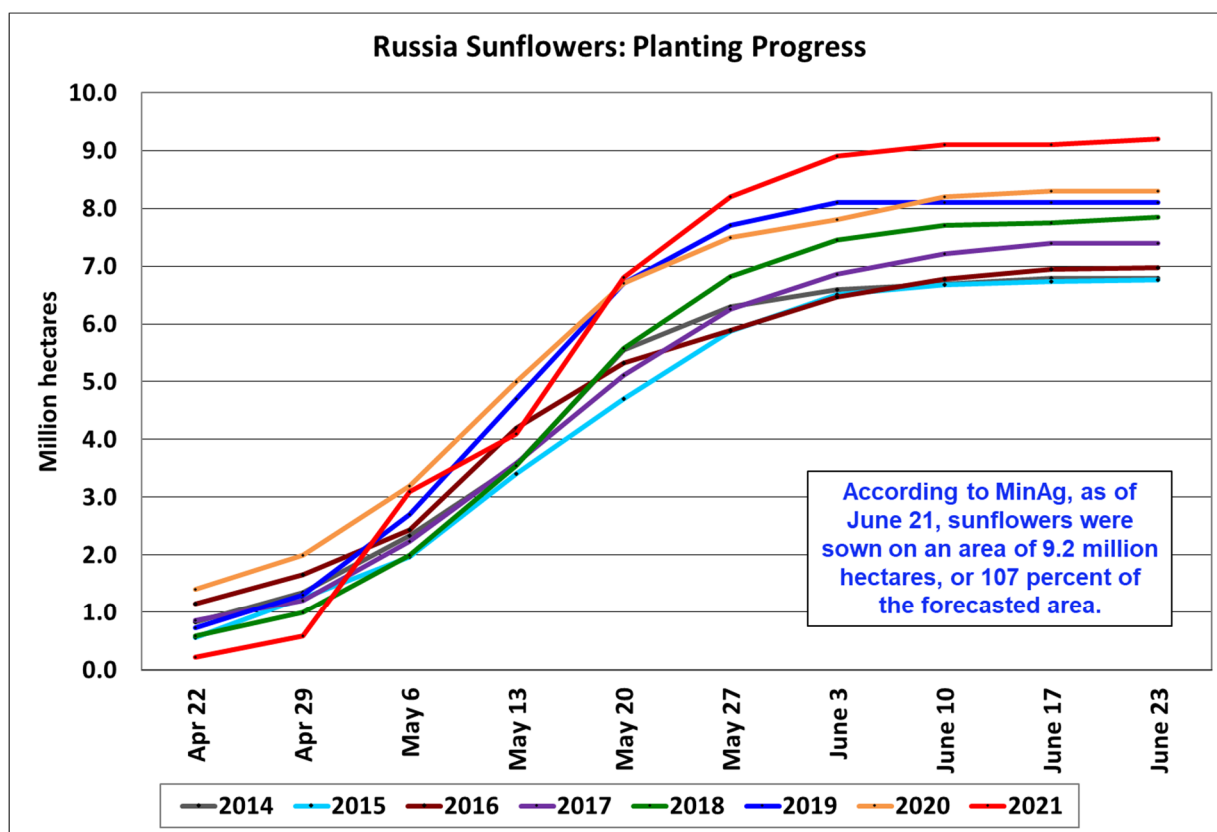
Above Average Rainfall (Jan 01 – Jun 30) Impacting Palm Oil Monthly Production (2020 vs 2021)



Overall, Malaysia's (October to May) CPO output is down 4 percent from 2019/20, and down 5 percent from the 5-year average. USDA's market year for Malaysia palm oil is October through September. *(For more information, please contact Justin.Jenkins@usda.gov.)*

Russia Sunflowerseed: Record Planted Area and Production

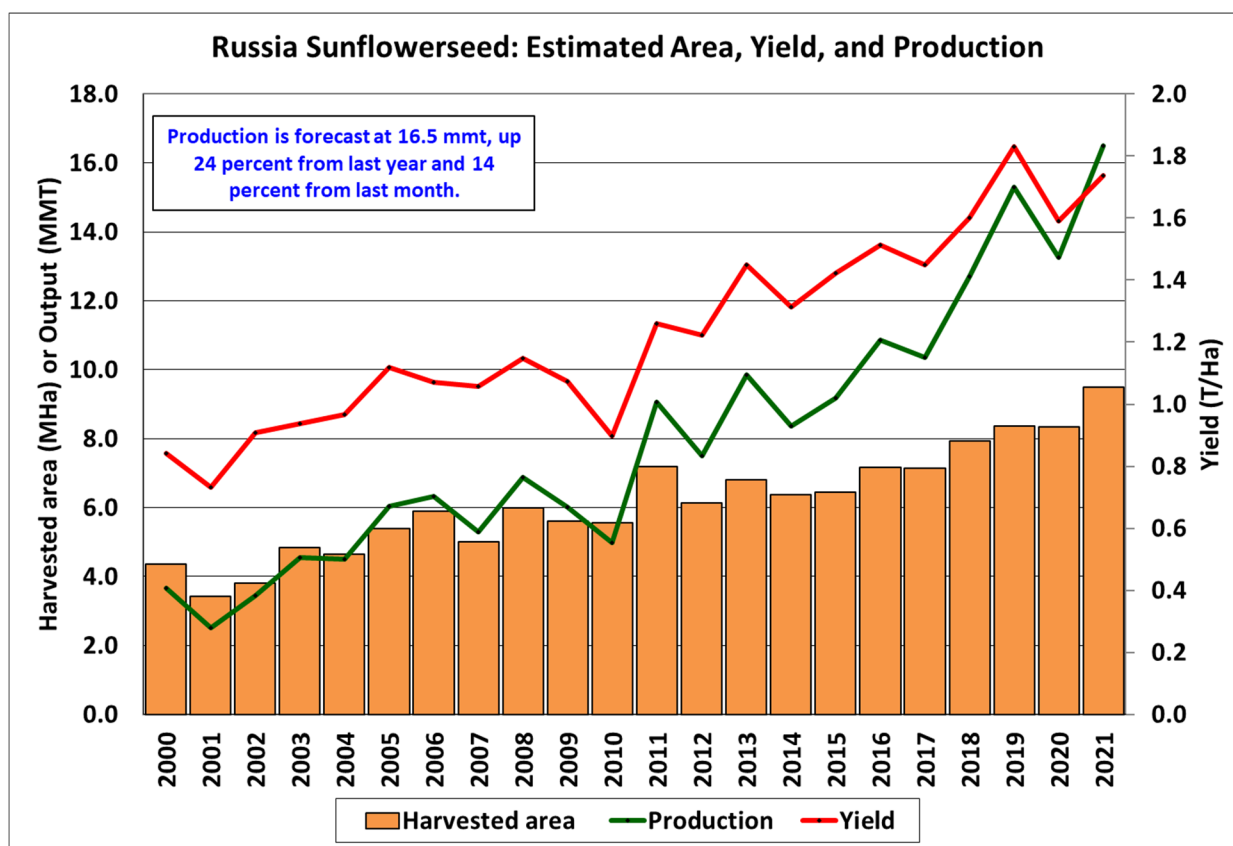
Russia sunflowerseed production for marketing year 2021/22 is forecast at a record 16.5 million metric tons (mmt), up 24 percent from last year and 14 percent from last month. Yield is forecast at 1.74 tons per hectare, up 9 percent from last year and 2 percent from last month. Total area is estimated at a record 9.5 million hectares (mha), up 14 percent from last year and 12 percent from last month.



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Source: Ministry of Agriculture (MinAg)

Sunflowers are grown in three main Districts – Central, Southern and Volga – accounting for 26, 28, and 35 percent of production, respectively. The month-to-month increase in area is based on data published by the Russian Ministry of Agriculture (MinAg), which indicate an increase in spring crops, including sunflowerseed. As of June 21, sunflowers were planted at 107 percent of forecasted area. The increase in spring-planted crops was due to the loss of winter planted crops caused by ice crusting. ROSSTAT, Russia's statistical agency announced that as of June 1 the total area of damaged winter crops was estimated at 1.0 mha or 14.2 percent of sown area. Some of this area was planted with spring crops. Sunflowers have marked a steady increase in area and yield owing to the high profitability for this crop and the wider use of hybrid seed varieties since 2010.



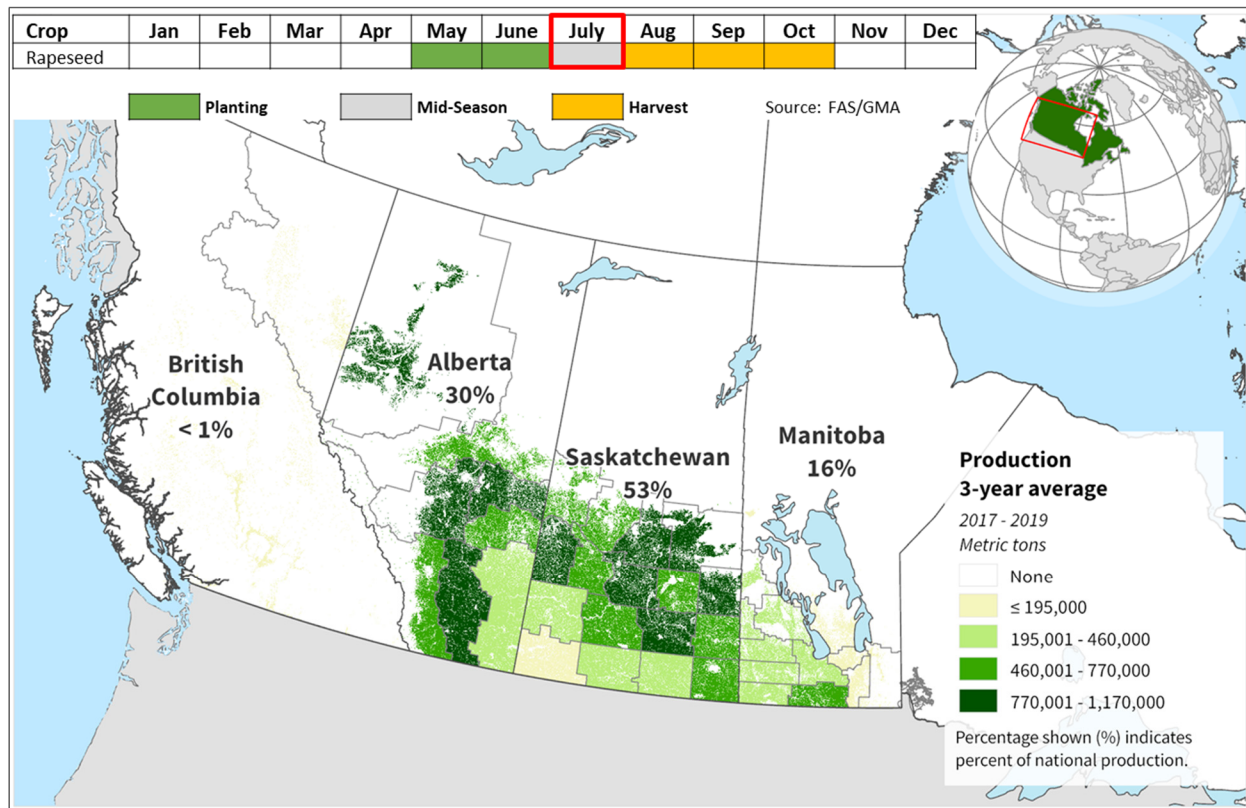

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Sources: USDA PSD Online (2007-2020); FAS estimates (2021)

USDA crop production estimates for Russia exclude estimated output from Crimea. *(For more information, please contact Iliana.Mladenova@usda.gov.)*

Canada Rapeseed: Area Estimate Revised Upward; Production Forecast Down

Canada: Rapeseed Production

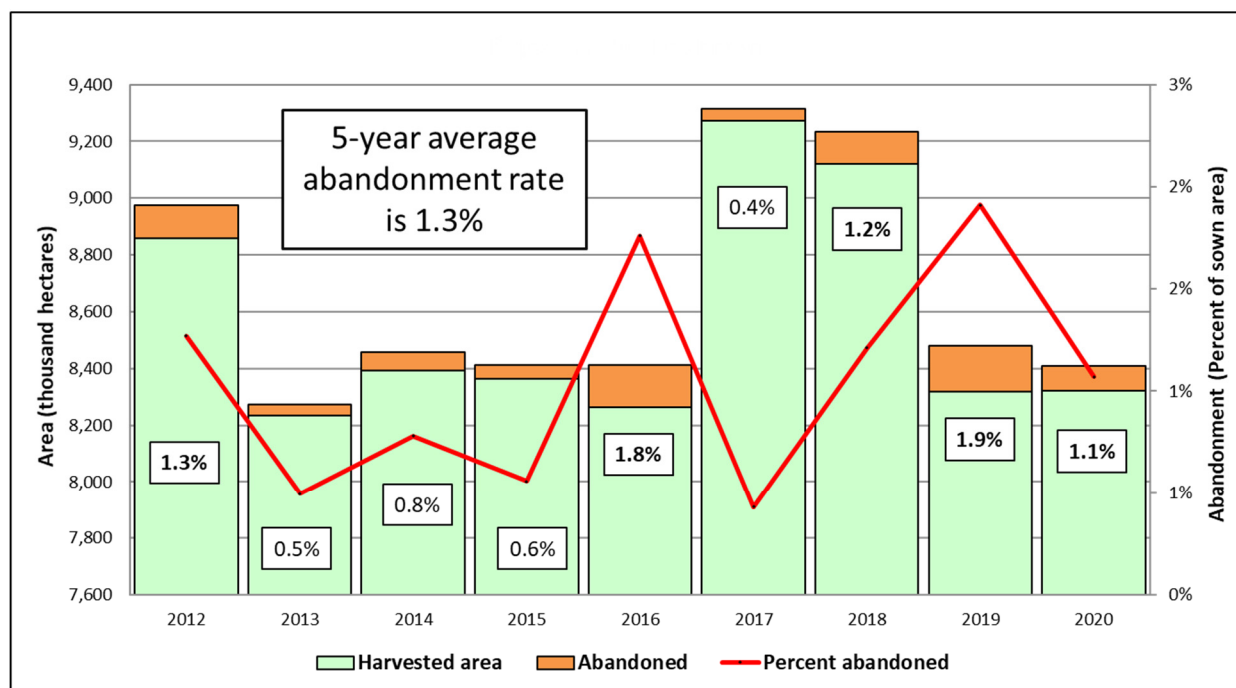


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Sources: Statistics Canada, Estimated Production by Small Area Data (SAD) Region; AAFC, Annual Crop Inventory 2018

USDA forecasts Canada rapeseed production for marketing year (MY) 2021/22 at 20.2 million metric tons (mmt), down 0.3 mmt or 1 percent from last month, but up 1.2 mmt or 6 percent from last year, and 1 percent above the 5-year average. Harvested area is estimated at 9.0 million hectares (mha), up 2 percent from last month, 8 percent above last year, and 4 percent above the 5-year average. Yield is forecast at 2.24 metric tons per hectare (t/ha), down 3 percent from last month and 3 percent below the 5-year average.

Annual Rapeseed Abandonment

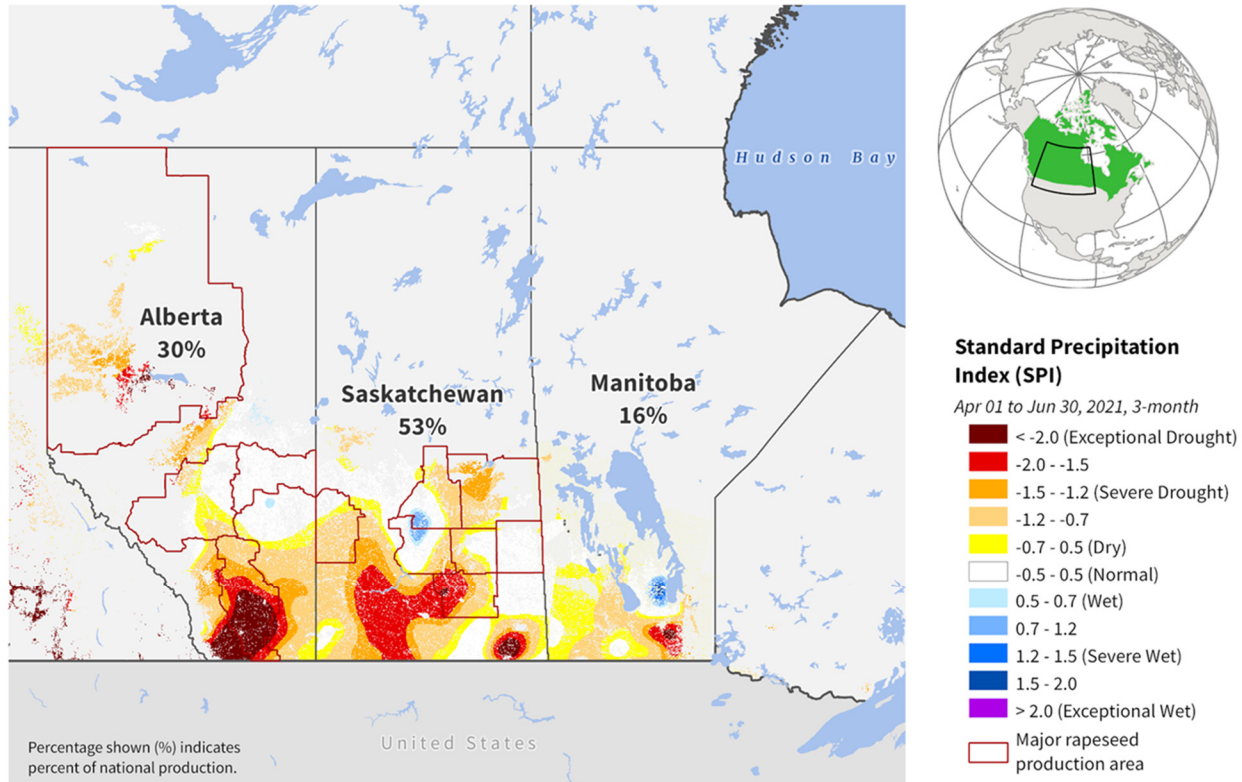


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Source: Statistics Canada

Statistics Canada recently released planted area estimates from their annual June Field Crop Survey, indicating an 8 percent increase over MY 2020/21 in planted area for rapeseed, as farmers responded to higher prices driven by high demand and low stocks. Among other factors, when estimating harvested area this early in the season, USDA considers that roughly 1.3 percent, on average, of the reported area planted will not be harvested. Production forecasts also consider yield potential at this point in the season, which USDA has tempered given the difficult early-season conditions in Canada's major rapeseed growing areas.

Canadian Prairies: Drought

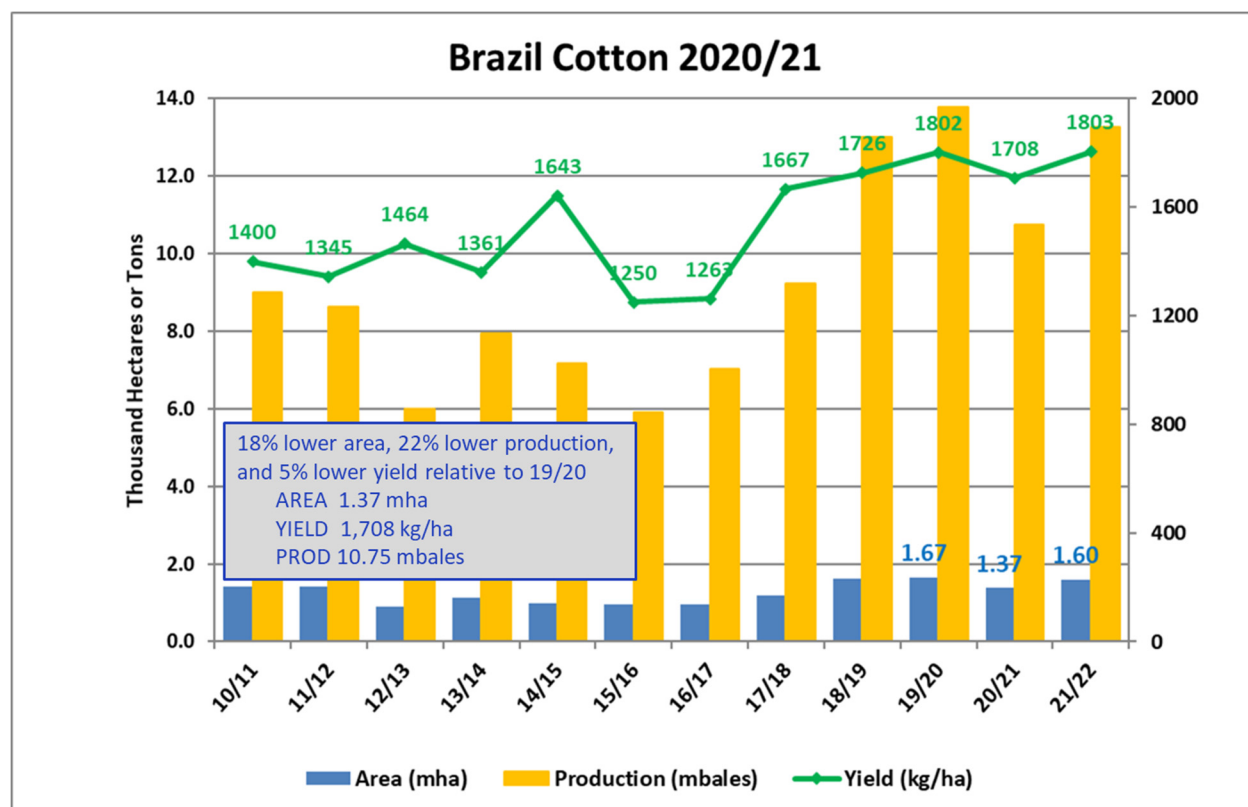


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Sources: NOAA CPC, 3-Month Standard Precipitation Index (SPI); Statistics Canada, Estimated Production by Small Area Data (SAD) Region; AAFC, Annual Crop Inventory 2018

Rapeseed is primarily grown in Saskatchewan and Alberta, which have experienced a challenging start to the growing season, with high temperatures and drier-than-normal conditions. The ongoing Prairie drought is affecting key growing areas, including those in southern Alberta and parts of the Peace River Valley, which are experiencing the worst dryness relative to normal since April 1. Provincial reporting indicates signs of moisture stress throughout the region, highlighting uneven development in many areas, and a rapidly maturing crop, some of which is attributable to the rapid pace of planting as the season began. Going forward, July precipitation will be a crucial determinant of yield potential for the MY 2021/22 crop. *(For more information, please contact Aaron.Mulhollen@usda.gov.)*

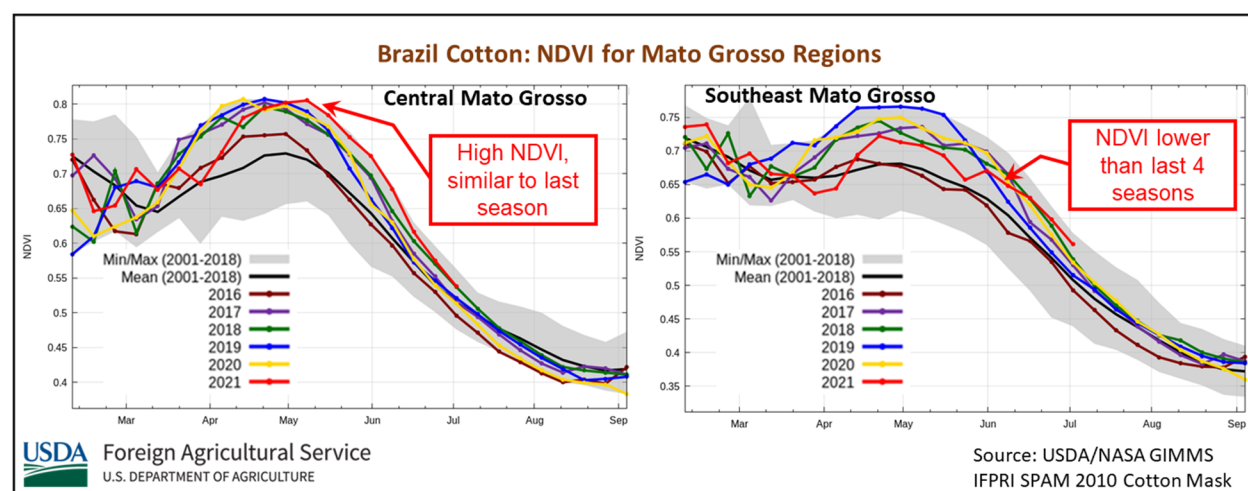
Brazil Cotton: MY 2020/21 Production Revised Down on Lower Yield Prospects



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Source: USDA PSD Online

Brazil's marketing year (MY) 2020/21 cotton production is estimated at 10.8 million 480-pound bales, lower by 0.5 million bales (4 percent) from last month, and down 3.1 million bales (22 percent) from the 2019/20 record production. Harvested cotton area is estimated at 1.4 million hectares (mha), lower by 0.03 mha (2 percent) from last month, and 18 percent below last season. Cotton yield is estimated at 1,708 kilograms per hectare (kg/ha), 4 percent above the 5-year average of 1,642 kg/ha.



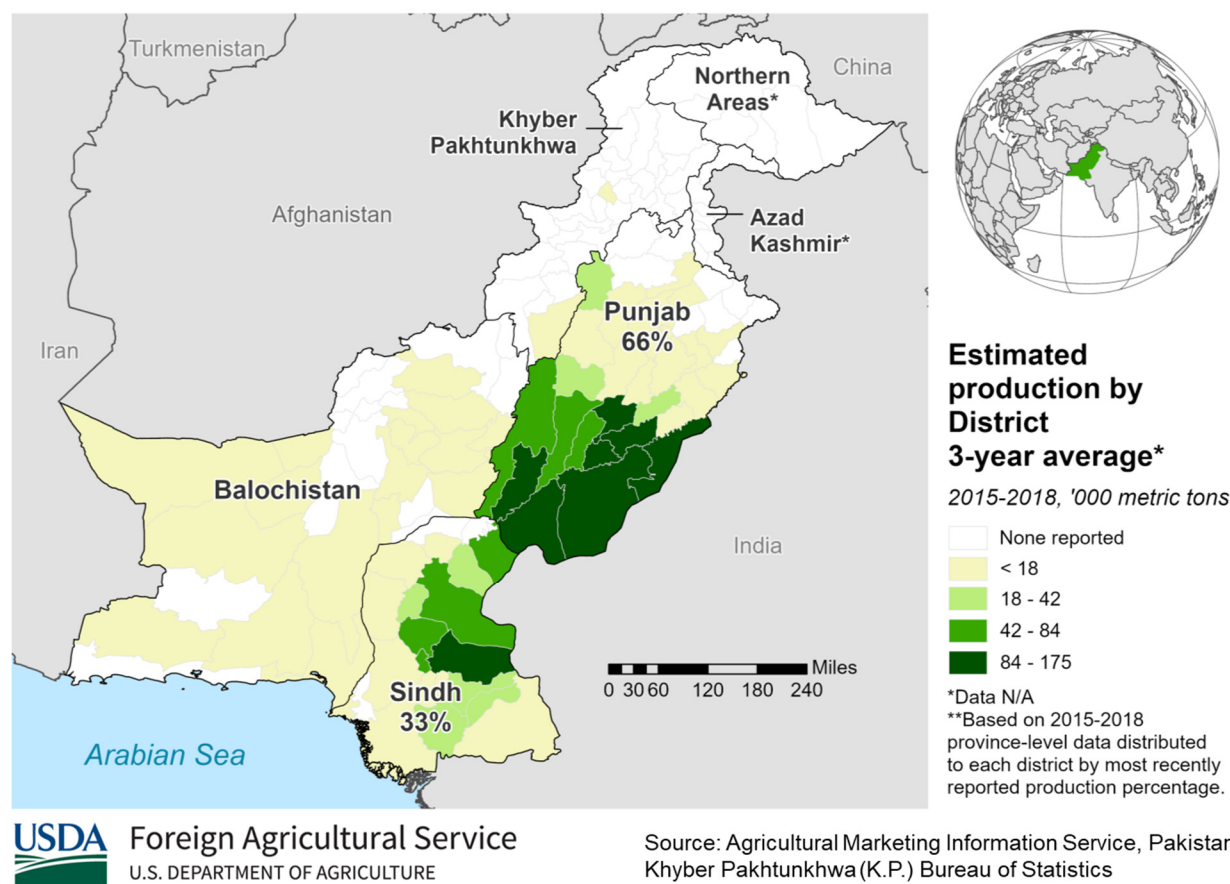
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Source: USDA/NASA GIMMS
IPFRI SPAM 2010 Cotton Mask

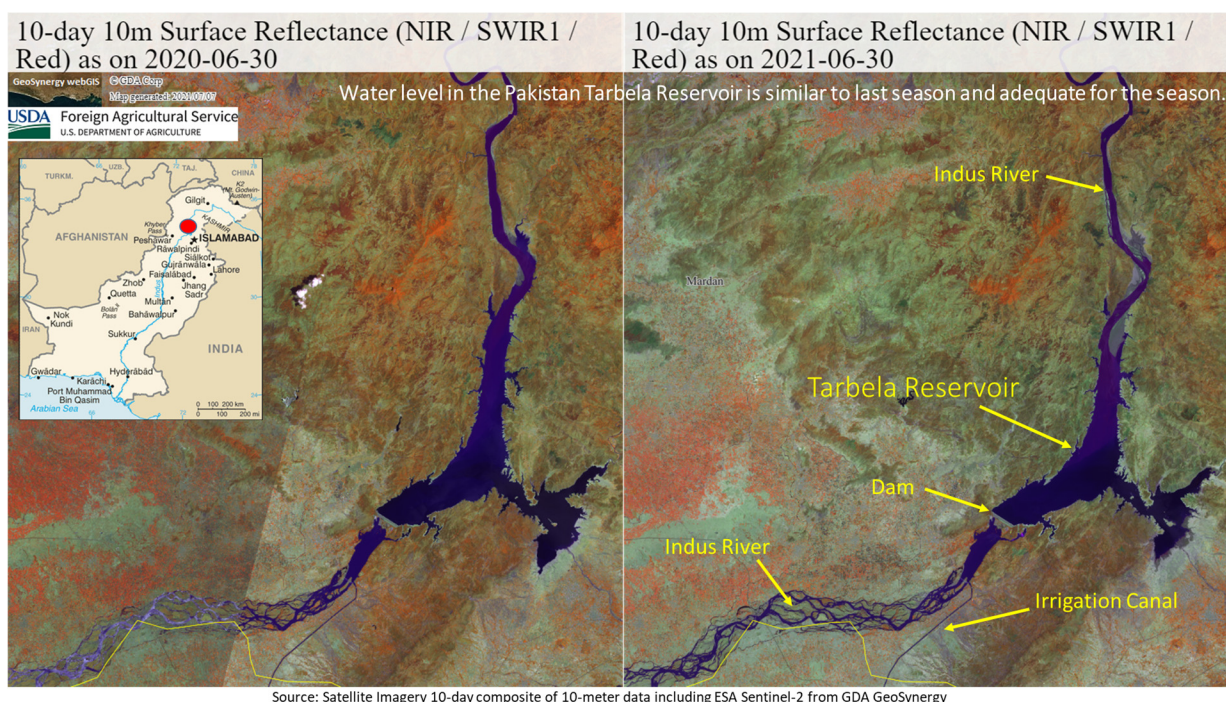
In Mato Grosso (69 percent of production), dryness has persisted from April through June. This has negatively impacted the cotton crop, particularly when moisture was needed at reproductive stages. Regional differences in the satellite-derived Normalized Difference Vegetation Index (NDVI) indicate lower vegetation vigor in the southeastern region versus the central and northern regions of Mato Grosso. Harvest started in both Mato Grosso and Bahia (accounting for 20 percent of national production). Currently, about 7 percent of the crop is harvested, and harvest will continue through September. *(For more information, please contact Sunita.Yadav-Pauletti@usda.gov.)*

Pakistan Cotton: Production Revised Down Based on Lower Area

Pakistan Cotton Production



USDA forecasts Pakistan cotton production at 5.0 million 480-pound bales, down 0.3 million bales (6 percent) from last month, but up 0.5 million bales (11 percent) from last year. Area is estimated at 2.0 million hectares, down 0.1 million from last month, and down 0.2 million hectares (9 percent) from last year. Production is revised down based on estimated lower sown area. The yield is forecast at 544 kilograms per hectare, this is 11 percent below the five-year average of 610 kilograms per hectare.



Cotton is typically sown from April to June. Pakistan's Central Cotton Committee (PCCC) has established an area target of 2.25 million hectares for the marketing year 2021/22 season. As of July 6th, the PCCC estimated that 1.81 million hectares had been sown. USDA anticipates that sowing will only reach 91 percent of the official target for the season. This will result in a final area of 2.0 million hectares. Growers have sown more corn and sugarcane this season and reduced cotton acreage. Corn and sugarcane producers benefit from tariffs that insulate domestic prices from the international market, while cotton producers face lower prices and competition from imported cotton. Cotton is grown under irrigated conditions with the Tarbela Reservoir providing the vast majority of the irrigation water. As of late June, the water level in the Tarbela is favorable and similar to last season. Approximately 75 percent of Pakistan's total cotton crop is produced in Punjab and the remaining 25 percent is in Sindh. Harvest occurs from August through November, with peak harvest typically occurring in October. *(For more information, please contact James.Crutchfield@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

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

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), July 12, 2021.

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

The FAS International Production Assessment Division prepared this report. The next issue of World Agricultural Production will be released after 12:00 p.m. Eastern Time, August 12, 2021.

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:
U.S. Department of Agriculture
Foreign Agricultural Service
Global Market Analysis
International Production Assessment Division
Ag Box 1051, Room 4630, South Building
Washington, DC 20250-1051

Telephone: (202) 720-1662

Fax: (202) 720-1158

GENERAL INFORMATION

Senior Director	Ronald Frantz	202-720-4056	ronald.frantz@usda.gov
Director	Robert Tetrault	202-720-1071	robert.tetrault@usda.gov
Administrative Assistant	Vacant		
USDA Remote Sensing Advisor	Vacant		
Sr. Analyst/Technical Lead	Curt Reynolds, Ph.D.	202-690-0134	curt.reynolds@usda.gov
Sr. Analyst/ Satellite Imagery	Dath Mita, Ph.D.	202-720-7339	dath.mita@usda.gov
Archives Manager/Technical Lead			
Sr. Analyst/Technical Lead	Jim Crutchfield	202-690-0135	james.crutchfield@usda.gov
GIS Mapping/Imagery Analyst	Lisa Colson	202-720-6652	lisa.colson@usda.gov
WAP Coordinators	Ifeoma Collins	202-720-0240	ifeoma.collins@usda.gov
	Aaron Mulhollen	202-690-0131	aaron.mulhollen@usda.gov

COUNTRY- AND REGION-SPECIFIC INFORMATION

South America, Argentina, Venezuela, and Colombia	Denise McWilliams, Ph.D.	202-720-0107	denise.mcwilliams@usda.gov
Western and Central Europe, and North Africa	Bryan Purcell	202-690-0138	bryan.purcell@usda.gov
Russia, Ukraine, Kazakhstan, Moldova, and Belarus	Katie McGaughey	202-720-9210	katie.mcgaughey@usda.gov
South Asia, Sri Lanka	Arnella Trent	202-720-0881	arnella.trent@usda.gov
Bangladesh, India, and Nepal			
East Asia, China, and Japan	Dath Mita, Ph.D.	202-720-7339	dath.mita@usda.gov
Sub-Saharan Africa,	Curt Reynolds, Ph.D.	202-690-0134	curt.reynolds@usda.gov
Nigeria and South Africa			
S.E. Asia, Indonesia, Thailand, Malaysia, Cambodia and Vietnam	Justin Jenkins	202-720-0419	justin.jenkins@usda.gov
Central America, Mexico, and Western United States	Ifeoma Collins	202-720-0240	ifeoma.collins@usda.gov
Australia, New Zealand, Pakistan	Jim Crutchfield	202-690-0135	james.crutchfield@usda.gov
Papua New Guinea and South Pacific Islands			
Middle East, Central Asia, Afghanistan	Iliana Mladenova, Ph.D.	202-690-2315	iliana.mladenova@usda.gov
Iraq, Iran, and Syria			
Canada, Caribbean,	Aaron Mulhollen	202-690-0131	aaron.mulhollen@usda.gov
Eastern United States			
Brazil	Sunita Yadav-Pauletti, Ph.D.		sunita.yadav-pauletti@usda.gov



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

FAS Reports and Databases:

World Agricultural Production

Current: <https://www.fas.usda.gov/data/world-agricultural-production>

Archive: <https://usda.library.cornell.edu/concern/publications/5q47rn72z?locale=en>

USDA's Foreign Agricultural Service (FAS) publishes a monthly report on crop acreage, yield and production in major countries worldwide. Sources include reporting from FAS's worldwide offices, official statistics of foreign governments, and analysis of economic data and satellite imagery. The reports reflect official USDA estimates released in the monthly *World Agricultural Supply and Demand Estimates* (WASDE).

World Markets and Trade

Current: <https://www.fas.usda.gov/data>

Archive:

https://usda.library.cornell.edu/catalog?f%5Bmember_of_collections_ssim%5D%5B%5D=Foreign+Agricultural+Service&locale=en

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

Global Agricultural Information Network (GAIN)

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

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

Production, Supply and Distribution (PS&D) Online

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

PSD Online is the public repository for USDA's Official Production, Supply and Distribution forecast data and reports for key agricultural commodities. PSD Online data are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB). The committee consists 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/cropeexplorer/>) 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---																			
Wheat																				
	2019/20	763.5	710.9	52.6	32.7	3.3	73.6	29.2	nr	133.6	103.6	0.0	24.3	0.0	19.8	5.2	14.5	1.5	17.5	252.1
	2020/21 prel.	775.8	726.1	49.7	35.2	3.0	85.4	25.4	nr	134.3	107.9	0.0	24.9	0.0	17.6	6.3	33.0	2.1	18.3	232.9
	2021/22 proj.																			
	Jun	794.4	742.8	51.7	32.0	3.1	86.0	29.5	nr	136.0	108.0	0.0	26.0	0.0	20.5	6.8	27.0	1.8	17.0	249.1
Jul	792.4	744.9	47.5	31.5	3.1	85.0	30.0	nr	136.0	108.0	0.0	27.0	0.0	20.5	6.9	28.5	1.8	17.0	249.6	
Coarse Grains																				
	2019/20	1,414.2	1,054.8	359.4	28.6	32.1	40.5	46.5	nr	268.2	47.7	12.0	7.7	4.6	58.1	105.8	11.9	16.4	14.5	360.2
	2020/21 prel.	1,429.4	1,054.8	374.6	29.6	31.9	41.4	39.6	nr	268.0	49.3	11.8	8.3	5.7	57.0	97.0	16.4	17.8	15.8	365.3
	2021/22 proj.																			
	Jun	1,496.6	1,100.4	396.2	30.9	33.8	41.6	48.0	nr	275.4	48.8	12.0	8.1	5.5	60.8	122.0	13.5	17.7	13.0	369.6
Jul	1,496.8	1,098.1	398.7	29.3	33.8	41.7	48.1	nr	275.4	48.6	12.0	8.1	5.5	60.8	122.0	14.2	17.7	13.0	368.1	
Rice, Milled																				
	2019/20	497.7	491.9	5.9	0.0	0.2	0.7	0.0	nr	146.7	118.9	34.7	7.4	17.7	0.8	7.6	0.0	0.0	0.6	156.5
	2020/21 prel.	504.9	497.7	7.2	0.0	0.2	0.7	0.0	nr	148.3	122.0	35.2	8.2	18.8	0.8	7.9	0.3	0.0	0.6	154.6
	2021/22 proj.																			
	Jun	506.6	500.2	6.5	0.0	0.2	0.7	0.0	nr	149.0	121.0	35.3	8.2	19.5	0.8	7.8	0.5	0.0	0.6	156.4
Jul	506.0	499.7	6.3	0.0	0.2	0.7	0.0	nr	149.0	121.0	35.3	8.2	19.5	0.8	8.0	0.6	0.0	0.6	155.8	
Total Grains																				
	2019/20	2,675.4	2,257.5	417.9	61.3	35.5	114.8	75.8	nr	548.5	270.1	46.7	39.5	22.2	78.7	118.6	26.4	17.9	32.6	768.9
	2020/21 prel.	2,710.1	2,278.7	431.5	64.8	35.0	127.5	65.0	nr	550.6	279.1	47.0	41.5	24.5	75.4	111.1	49.8	20.0	34.6	752.7
	2021/22 proj.																			
	Jun	2,797.7	2,343.4	454.3	62.9	37.0	128.3	77.5	nr	560.4	277.8	47.3	42.3	25.0	82.1	136.6	41.0	19.5	30.6	775.2
Jul	2,795.2	2,342.7	452.6	60.8	37.0	127.4	78.1	nr	560.4	277.6	47.3	43.3	25.0	82.1	136.9	43.3	19.5	30.6	773.5	
Oilseeds																				
	2019/20	580.7	473.7	107.0	25.8	1.1	21.7	24.5	nr	63.0	36.4	14.4	3.4	0.9	53.6	133.9	2.5	2.2	3.3	87.0
	2020/21 prel.	600.2	477.8	122.4	25.5	0.9	20.1	19.9	nr	66.3	38.6	14.6	2.7	1.0	51.0	141.4	4.9	2.8	2.9	85.5
	2021/22 proj.																			
	Jun	632.9	502.6	130.3	27.0	1.0	21.5	23.2	nr	64.4	39.0	14.8	3.0	1.0	57.1	149.3	5.0	2.7	3.3	90.4
Jul	635.4	505.0	130.5	26.4	1.0	23.6	23.3	nr	64.6	39.3	14.8	2.9	1.0	57.1	149.3	5.6	2.7	3.3	90.2	
Cotton																				
	2019/20	121.4	101.5	19.9	0.0	1.6	0.0	0.0	2.0	27.3	28.8	0.0	6.2	0.0	1.3	13.8	0.6	0.1	3.5	16.4
	2020/21 prel.	112.6	97.9	14.6	0.0	1.0	0.0	0.0	1.7	29.5	28.3	0.0	4.5	0.0	1.3	10.8	2.8	0.1	2.9	15.1
	2021/22 proj.																			
	Jun	118.9	101.9	17.0	0.0	1.1	0.0	0.0	1.8	26.8	29.0	0.0	5.3	0.0	1.4	13.3	3.9	0.1	3.4	16.0
Jul	119.4	101.6	17.8	0.0	1.1	0.0	0.0	1.8	26.8	29.0	0.0	5.0	0.0	1.4	13.3	3.9	0.1	3.4	16.0	

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			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MMT	Percent	MMT	Percent
World	216.20	221.86	224.09	224.49	3.53	3.50	3.55	3.53	763.49	775.82	794.44	792.40	-2.04	-0.26	16.58	2.14
United States	15.13	14.87	15.15	15.42	3.47	3.34	3.41	3.08	52.58	49.69	51.66	47.52	-4.14	-8.02	-2.17	-4.37
Total Foreign	201.06	206.99	208.94	209.07	3.54	3.51	3.55	3.56	710.90	726.12	742.78	744.88	2.10	0.28	18.76	2.58
European Union	24.36	23.08	23.85	23.93	5.69	5.46	5.77	5.78	138.74	125.94	137.50	138.20	0.70	0.51	12.26	9.73
United Kingdom	1.80	1.39	1.78	1.78	8.69	6.96	7.94	8.34	15.60	9.66	14.10	14.80	0.70	4.96	5.14	53.24
Serbia	0.57	0.57	0.60	0.60	4.56	4.74	4.83	4.83	2.60	2.70	2.90	2.90	0.00	0.00	0.20	7.41
China	23.73	23.38	23.00	23.00	5.63	5.74	5.91	5.91	133.59	134.25	136.00	136.00	0.00	0.00	1.75	1.30
South Asia																
India	29.32	31.36	31.58	32.00	3.53	3.44	3.42	3.38	103.60	107.86	108.00	108.00	0.00	0.00	0.14	0.13
Pakistan	8.68	8.83	9.20	9.20	2.81	2.83	2.83	2.93	24.35	24.95	26.00	27.00	1.00	3.85	2.05	8.23
Afghanistan	2.30	2.33	2.20	2.20	2.17	2.15	2.00	2.00	5.00	5.01	4.40	4.40	0.00	0.00	-0.61	-12.18
Nepal	0.75	0.75	0.75	0.75	2.95	2.95	2.80	2.80	2.20	2.21	2.10	2.10	0.00	0.00	-0.11	-4.98
Former Soviet Union - 12																
Russia	27.31	28.68	29.30	29.00	2.70	2.98	2.94	2.93	73.61	85.35	86.00	85.00	-1.00	-1.16	-0.35	-0.41
Russia Winter	15.41	16.63	17.00	16.30	3.41	3.77	3.79	3.93	52.54	62.69	64.50	64.00	-0.50	-0.78	1.31	2.09
Russia Spring	11.91	12.06	12.30	12.70	1.77	1.88	1.75	1.65	21.07	22.67	21.50	21.00	-0.50	-2.33	-1.67	-7.35
Ukraine	7.02	6.85	7.17	7.17	4.16	3.71	4.11	4.18	29.17	25.42	29.50	30.00	0.50	1.69	4.58	18.02
Kazakhstan	11.34	12.08	12.00	12.00	1.01	1.18	1.17	1.08	11.45	14.26	14.00	13.00	-1.00	-7.14	-1.26	-8.81
Uzbekistan	1.40	1.40	1.40	1.40	4.86	4.65	4.29	4.29	6.80	6.51	6.00	6.00	0.00	0.00	-0.51	-7.83
Belarus	0.69	0.70	0.70	0.70	3.33	3.29	3.21	3.21	2.31	2.30	2.25	2.25	0.00	0.00	-0.05	-2.17
Canada	9.66	10.02	9.20	9.20	3.38	3.51	3.48	3.42	32.67	35.18	32.00	31.50	-0.50	-1.56	-3.68	-10.47
South America																
Argentina	6.73	6.39	6.50	6.50	2.94	2.76	3.15	3.15	19.78	17.63	20.50	20.50	0.00	0.00	2.87	16.28
Brazil	2.04	2.34	2.50	2.53	2.55	2.67	2.72	2.73	5.20	6.25	6.80	6.90	0.10	1.47	0.65	10.40
Australia	9.86	13.00	13.20	13.10	1.47	2.54	2.05	2.18	14.48	33.00	27.00	28.50	1.50	5.56	-4.50	-13.64
Africa																
Egypt	1.37	1.39	1.40	1.40	6.40	6.40	6.43	6.43	8.77	8.90	9.00	9.00	0.00	0.00	0.10	1.12
Morocco	2.51	2.76	2.86	2.86	1.61	0.93	2.38	2.38	4.03	2.56	6.80	6.80	0.00	0.00	4.24	165.63
Algeria	2.07	2.08	2.08	2.08	1.90	1.88	1.73	1.73	3.95	3.90	3.60	3.60	0.00	0.00	-0.30	-7.69
Ethiopia	1.79	1.85	1.90	1.90	2.97	2.76	2.73	2.73	5.32	5.10	5.18	5.18	0.00	0.00	0.08	1.57
Middle East																
Turkey	7.00	7.10	7.00	7.00	2.50	2.57	2.43	2.43	17.50	18.25	17.00	17.00	0.00	0.00	-1.25	-6.85
Iran	6.70	6.70	6.70	6.70	2.51	2.50	2.24	2.24	16.80	16.75	15.00	15.00	0.00	0.00	-1.75	-10.45
Iraq	2.40	2.40	2.50	2.50	2.00	1.93	1.80	1.80	4.80	4.64	4.50	4.50	0.00	0.00	-0.14	-2.91
Syria	1.60	1.60	1.40	1.40	3.00	2.81	2.00	2.00	4.80	4.50	2.80	2.80	0.00	0.00	-1.70	-37.78
Mexico	0.59	0.56	0.57	0.57	5.54	5.33	5.40	5.40	3.27	2.97	3.05	3.05	0.00	0.00	0.09	2.87
Others	7.48	7.42	7.62	7.62	2.74	2.71	2.73	2.74	20.52	20.09	20.80	20.90	0.10	0.48	0.82	4.06

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			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MMT	Percent	MMT	Percent
World	335.80	339.21	341.30	341.19	4.21	4.21	4.38	4.39	1,414.18	1,429.39	1,496.60	1,496.81	0.21	0.01	67.42	4.72
United States	36.17	36.84	37.61	37.80	9.94	10.17	10.53	10.55	359.43	374.57	396.17	398.74	2.57	0.65	24.17	6.45
Total Foreign	299.63	302.37	303.69	303.39	3.52	3.49	3.62	3.62	1,054.75	1,054.82	1,100.43	1,098.07	-2.36	-0.21	43.24	4.10
China	43.72	43.68	44.41	44.41	6.14	6.14	6.20	6.20	268.20	268.05	275.43	275.43	0.00	0.00	7.38	2.75
European Union	28.74	29.33	28.92	28.82	5.31	5.22	5.35	5.32	152.73	153.13	154.60	153.40	-1.20	-0.78	0.27	0.17
United Kingdom	1.41	1.66	1.42	1.42	6.64	5.65	5.97	5.97	9.35	9.36	8.50	8.50	0.00	0.00	-0.86	-9.16
South America																
Brazil	19.86	21.28	22.23	22.23	5.33	4.56	5.49	5.49	105.82	96.96	122.02	122.02	0.00	0.00	25.06	25.85
Argentina	8.43	8.37	8.82	8.82	6.90	6.81	6.89	6.89	58.13	56.99	60.78	60.78	0.00	0.00	3.79	6.64
Former Soviet Union - 12																
Russia	14.51	14.55	14.20	14.30	2.79	2.84	2.93	2.91	40.50	41.40	41.55	41.65	0.10	0.24	0.25	0.61
Ukraine	8.22	8.53	8.56	8.56	5.67	4.64	5.60	5.61	46.55	39.59	47.96	48.06	0.10	0.21	8.48	21.41
Kazakhstan	3.45	3.20	3.40	3.40	1.47	1.54	1.58	1.49	5.06	4.93	5.36	5.06	-0.30	-5.60	0.13	2.60
Belarus	1.08	1.03	0.92	0.92	3.08	3.42	3.18	3.18	3.32	3.52	2.93	2.93	0.00	0.00	-0.60	-16.90
Africa																
Nigeria	14.40	13.10	13.70	13.70	1.37	1.42	1.45	1.45	19.67	18.57	19.80	19.80	0.00	0.00	1.23	6.62
South Africa	3.13	3.31	3.33	3.33	5.24	5.39	5.32	5.32	16.37	17.84	17.70	17.70	0.00	0.00	-0.13	-0.75
Tanzania	4.35	5.20	5.10	5.10	1.56	1.42	1.49	1.49	6.77	7.38	7.58	7.58	0.00	0.00	0.20	2.71
Burkina Faso	4.08	4.00	4.00	4.00	1.12	0.99	1.10	1.10	4.55	3.95	4.40	4.40	0.00	0.00	0.46	11.53
Ethiopia	5.58	5.60	5.62	5.62	3.08	3.08	3.07	3.07	17.17	17.25	17.25	17.25	0.00	0.00	0.00	0.00
Egypt	1.02	1.02	1.02	1.02	7.09	7.09	7.09	7.09	7.26	7.26	7.26	7.26	0.00	0.00	0.00	0.00
Mali	4.92	5.17	4.70	4.70	1.46	1.38	1.45	1.45	7.21	7.14	6.80	6.80	0.00	0.00	-0.34	-4.70
India	23.98	23.39	23.89	23.80	1.99	2.11	2.04	2.04	47.66	49.27	48.75	48.55	-0.20	-0.41	-0.72	-1.46
Southeast Asia																
Indonesia	3.80	3.60	3.60	3.60	3.16	3.28	3.33	3.33	12.00	11.80	12.00	12.00	0.00	0.00	0.20	1.69
Philippines	2.51	2.60	2.50	2.50	3.20	3.19	3.20	3.20	8.03	8.30	8.00	8.00	0.00	0.00	-0.30	-3.61
Vietnam	0.99	0.95	0.90	0.90	4.80	4.83	4.89	4.89	4.76	4.59	4.40	4.40	0.00	0.00	-0.19	-4.14
Thailand	1.24	1.28	1.23	1.23	3.66	4.41	4.44	4.44	4.55	5.65	5.45	5.45	0.00	0.00	-0.20	-3.54
Mexico	8.41	8.75	9.11	9.11	3.82	3.64	3.71	3.71	32.10	31.86	33.75	33.75	0.00	0.00	1.89	5.93
Canada	5.54	5.80	6.16	5.70	5.16	5.11	5.02	5.14	28.61	29.64	30.87	29.25	-1.62	-5.25	-0.39	-1.33
Australia	6.18	5.99	5.53	5.78	1.93	2.75	2.43	2.46	11.90	16.45	13.45	14.20	0.75	5.58	-2.25	-13.65
Middle East																
Turkey	4.53	4.63	4.56	4.56	3.19	3.40	2.85	2.85	14.45	15.76	12.98	12.98	0.00	0.00	-2.78	-17.64
Iran	1.91	1.91	1.91	1.91	2.63	2.71	2.31	2.31	5.02	5.17	4.42	4.42	0.00	0.00	-0.75	-14.51
Others	73.67	74.45	73.98	73.98	1.59	1.65	1.71	1.71	117.05	123.04	126.45	126.46	0.01	0.01	3.42	2.78

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			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MMT	Percent	MMT	Percent
World	194.05	197.28	199.14	199.64	5.76	5.68	5.97	5.98	1,117.56	1,120.65	1,189.85	1,194.80	4.95	0.42	74.15	6.62
United States	32.92	33.37	33.79	34.19	10.51	10.79	11.27	11.27	345.96	360.25	380.76	385.21	4.45	1.17	24.96	6.93
Total Foreign	161.14	163.91	165.35	165.45	4.79	4.64	4.89	4.89	771.60	760.39	809.09	809.59	0.50	0.06	49.20	6.47
China	41.28	41.26	42.00	42.00	6.32	6.32	6.38	6.38	260.78	260.67	268.00	268.00	0.00	0.00	7.33	2.81
South America																
Brazil	18.50	19.88	20.80	20.80	5.51	4.68	5.67	5.67	102.00	93.00	118.00	118.00	0.00	0.00	25.00	26.88
Argentina	6.30	6.20	6.25	6.25	8.10	7.82	8.16	8.16	51.00	48.50	51.00	51.00	0.00	0.00	2.50	5.15
Bolivia	0.42	0.47	0.48	0.48	2.26	2.30	2.32	2.32	0.96	1.08	1.10	1.10	0.00	0.00	0.02	1.85
European Union	8.91	8.98	8.90	8.90	7.49	7.12	7.49	7.49	66.74	63.98	66.70	66.70	0.00	0.00	2.73	4.26
Africa																
South Africa	2.91	3.08	3.10	3.10	5.45	5.53	5.48	5.48	15.84	17.00	17.00	17.00	0.00	0.00	0.00	0.00
Nigeria	6.50	5.50	6.00	6.00	1.69	1.82	1.83	1.83	11.00	10.00	11.00	11.00	0.00	0.00	1.00	10.00
Ethiopia	2.30	2.30	2.30	2.30	3.70	3.74	3.74	3.74	8.50	8.60	8.60	8.60	0.00	0.00	0.00	0.00
Egypt	0.80	0.80	0.80	0.80	8.00	8.00	8.00	8.00	6.40	6.40	6.40	6.40	0.00	0.00	0.00	0.00
Tanzania	3.43	4.20	4.10	4.10	1.65	1.50	1.59	1.59	5.65	6.30	6.50	6.50	0.00	0.00	0.20	3.17
Malawi	1.70	1.70	1.70	1.70	1.78	2.22	2.47	2.47	3.03	3.78	4.20	4.20	0.00	0.00	0.42	11.11
Zambia	0.84	1.29	1.30	1.30	2.38	2.62	2.78	2.78	2.00	3.39	3.62	3.62	0.00	0.00	0.23	6.88
Kenya	2.20	2.20	2.20	2.20	1.77	1.82	1.82	1.82	3.90	4.00	4.00	4.00	0.00	0.00	0.00	0.00
Uganda	0.95	1.10	1.10	1.10	2.71	2.50	2.55	2.55	2.58	2.75	2.80	2.80	0.00	0.00	0.05	1.82
Zimbabwe	1.62	1.58	1.95	1.95	0.48	0.57	1.39	1.39	0.78	0.91	2.72	2.72	0.00	0.00	1.81	199.23
Former Soviet Union - 12																
Ukraine	4.99	5.40	5.50	5.50	7.19	5.62	6.82	6.82	35.89	30.30	37.50	37.50	0.00	0.00	7.20	23.77
Russia	2.50	2.73	2.70	2.80	5.70	5.08	5.52	5.50	14.28	13.87	14.90	15.40	0.50	3.36	1.53	11.01
South Asia																
India	9.57	9.70	9.50	9.50	3.01	3.12	3.11	3.11	28.77	30.25	29.50	29.50	0.00	0.00	-0.75	-2.48
Pakistan	1.41	1.39	1.40	1.40	5.12	5.63	5.43	5.43	7.24	7.80	7.60	7.60	0.00	0.00	-0.20	-2.56
Nepal	0.96	0.97	0.97	0.97	2.76	2.82	2.82	2.82	2.65	2.72	2.72	2.72	0.00	0.00	0.00	0.00
Southeast Asia																
Indonesia	3.80	3.60	3.60	3.60	3.16	3.28	3.33	3.33	12.00	11.80	12.00	12.00	0.00	0.00	0.20	1.69
Philippines	2.51	2.60	2.50	2.50	3.20	3.19	3.20	3.20	8.03	8.30	8.00	8.00	0.00	0.00	-0.30	-3.61
Vietnam	0.99	0.95	0.90	0.90	4.80	4.83	4.89	4.89	4.76	4.59	4.40	4.40	0.00	0.00	-0.19	-4.14
Thailand	1.22	1.26	1.20	1.20	3.70	4.46	4.50	4.50	4.50	5.60	5.40	5.40	0.00	0.00	-0.20	-3.57
Mexico	6.62	7.14	7.30	7.30	4.03	3.78	3.84	3.84	26.66	27.00	28.00	28.00	0.00	0.00	1.00	3.70
Canada	1.45	1.41	1.35	1.35	9.24	9.63	9.85	9.85	13.40	13.56	13.30	13.30	0.00	0.00	-0.26	-1.94
Turkey	0.52	0.62	0.54	0.54	11.54	11.45	11.48	11.48	6.00	7.10	6.20	6.20	0.00	0.00	-0.90	-12.68
Others	25.93	25.62	24.92	24.92	2.56	2.62	2.73	2.73	66.29	67.15	67.93	67.93	0.00	0.00	0.78	1.16

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			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MMT	Percent	MMT	Percent
World	52.36	51.73	51.26	50.90	3.01	3.09	3.07	3.02	157.82	159.74	157.18	153.47	-3.71	-2.36	-6.27	-3.93
United States	0.90	0.86	0.85	0.83	4.18	4.17	4.12	3.01	3.76	3.60	3.51	2.49	-1.02	-29.02	-1.11	-30.89
Total Foreign	51.46	50.87	50.41	50.07	2.99	3.07	3.05	3.02	154.06	156.14	153.67	150.98	-2.69	-1.75	-5.16	-3.31
European Union	11.17	11.39	11.13	11.03	4.95	4.85	5.03	4.97	55.27	55.28	56.00	54.80	-1.20	-2.14	-0.48	-0.87
United Kingdom	1.16	1.39	1.15	1.15	6.93	5.85	6.18	6.18	8.05	8.12	7.08	7.08	0.00	0.00	-1.04	-12.84
Former Soviet Union - 12																
Russia	8.40	8.16	7.90	7.90	2.37	2.53	2.51	2.46	19.94	20.63	19.80	19.40	-0.40	-2.02	-1.23	-5.96
Ukraine	2.78	2.58	2.55	2.55	3.42	3.08	3.57	3.61	9.53	7.95	9.10	9.20	0.10	1.10	1.25	15.77
Kazakhstan	2.98	2.73	2.90	2.90	1.29	1.34	1.38	1.28	3.83	3.66	4.00	3.70	-0.30	-7.50	0.04	1.12
Belarus	0.41	0.38	0.35	0.35	2.69	2.76	2.57	2.57	1.10	1.05	0.90	0.90	0.00	0.00	-0.15	-14.29
Azerbaijan	0.34	0.35	0.37	0.37	2.97	2.81	2.74	2.74	1.02	0.97	1.00	1.00	0.00	0.00	0.03	3.09
Canada	2.73	2.81	3.35	3.00	3.81	3.82	3.73	3.77	10.38	10.74	12.50	11.30	-1.20	-9.60	0.56	5.20
Australia	5.04	4.40	4.00	4.20	2.01	2.95	2.50	2.50	10.13	13.00	10.00	10.50	0.50	5.00	-2.50	-19.23
Middle East																
Turkey	3.80	3.80	3.80	3.80	2.08	2.13	1.63	1.63	7.90	8.10	6.20	6.20	0.00	0.00	-1.90	-23.46
Iran	1.70	1.70	1.70	1.70	2.12	2.21	1.76	1.76	3.60	3.75	3.00	3.00	0.00	0.00	-0.75	-20.00
Iraq	1.20	1.20	1.10	1.10	1.33	1.29	1.18	1.18	1.60	1.55	1.30	1.30	0.00	0.00	-0.25	-16.13
Syria	1.50	1.50	1.30	1.30	1.33	1.27	0.85	0.85	2.00	1.90	1.10	1.10	0.00	0.00	-0.80	-42.11
Africa																
Ethiopia	1.00	1.00	1.00	1.00	2.30	2.35	2.35	2.35	2.30	2.35	2.35	2.35	0.00	0.00	0.00	0.00
Morocco	1.05	1.47	1.49	1.49	1.11	0.44	1.61	1.61	1.16	0.64	2.40	2.40	0.00	0.00	1.76	275.00
Algeria	1.03	1.03	1.03	1.03	1.95	1.80	1.56	1.56	2.00	1.85	1.60	1.60	0.00	0.00	-0.25	-13.28
Tunisia	0.47	0.36	0.37	0.37	1.94	1.28	1.77	1.77	0.91	0.47	0.65	0.65	0.00	0.00	0.19	39.78
South Africa	0.13	0.14	0.15	0.15	2.61	4.14	3.45	3.45	0.35	0.59	0.50	0.50	0.00	0.00	-0.09	-14.97
South America																
Argentina	1.12	1.09	1.25	1.25	3.39	4.13	3.84	3.84	3.80	4.50	4.80	4.80	0.00	0.00	0.30	6.67
Uruguay	0.17	0.18	0.19	0.19	3.68	3.72	3.73	3.73	0.61	0.67	0.69	0.69	0.00	0.00	0.02	2.99
Brazil	0.12	0.10	0.10	0.10	3.61	3.63	3.74	3.74	0.43	0.37	0.39	0.39	0.00	0.00	0.01	2.94
India	0.58	0.59	0.69	0.60	2.84	2.92	2.68	2.75	1.63	1.72	1.85	1.65	-0.20	-10.81	-0.07	-4.07
China	0.26	0.26	0.25	0.25	3.46	3.46	3.60	3.60	0.90	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Mexico	0.36	0.29	0.34	0.34	2.81	2.76	2.82	2.82	1.01	0.80	0.96	0.96	0.00	0.00	0.16	20.00
Afghanistan	0.18	0.17	0.16	0.16	1.39	1.41	1.25	1.25	0.25	0.24	0.20	0.20	0.00	0.00	-0.04	-16.67
Others	1.79	1.80	1.82	1.82	2.45	2.42	2.42	2.43	4.38	4.35	4.41	4.42	0.01	0.23	0.07	1.54

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			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MMT	Percent	MMT	Percent
World	9.67	10.18	9.92	9.84	2.40	2.51	2.47	2.46	23.23	25.53	24.55	24.23	-0.32	-1.30	-1.30	-5.09
United States	0.34	0.41	0.32	0.29	2.31	2.34	2.37	2.05	0.77	0.95	0.77	0.60	-0.17	-21.98	-0.35	-36.78
Total Foreign	9.33	9.77	9.59	9.54	2.41	2.52	2.48	2.48	22.46	24.58	23.78	23.63	-0.15	-0.63	-0.95	-3.86
European Union	2.37	2.58	2.50	2.50	2.94	3.20	2.98	2.98	6.95	8.25	7.45	7.45	0.00	0.00	-0.80	-9.69
Former Soviet Union - 12																
Russia	2.43	2.33	2.40	2.40	1.82	1.77	1.88	1.88	4.42	4.13	4.50	4.50	0.00	0.00	0.37	9.04
Ukraine	0.18	0.20	0.19	0.19	2.32	2.54	2.50	2.50	0.43	0.52	0.48	0.48	0.00	0.00	-0.04	-7.77
Belarus	0.16	0.15	0.16	0.16	2.30	2.47	2.34	2.34	0.37	0.37	0.38	0.38	0.00	0.00	0.01	1.35
Kazakhstan	0.24	0.23	0.25	0.25	1.10	1.05	1.10	1.10	0.27	0.24	0.28	0.28	0.00	0.00	0.04	14.58
Canada	1.17	1.31	1.20	1.10	3.62	3.48	3.58	3.55	4.23	4.58	4.30	3.90	-0.40	-9.30	-0.68	-14.77
South America																
Argentina	0.32	0.29	0.30	0.30	1.86	2.24	2.30	2.30	0.60	0.65	0.69	0.69	0.00	0.00	0.04	6.15
Brazil	0.40	0.43	0.43	0.43	2.21	1.99	2.18	2.18	0.88	0.85	0.93	0.93	0.00	0.00	0.08	9.57
Chile	0.10	0.11	0.11	0.11	4.92	5.60	5.45	5.45	0.48	0.64	0.60	0.60	0.00	0.00	-0.04	-5.96
Uruguay	0.02	0.02	0.02	0.02	2.19	2.20	2.33	2.33	0.04	0.03	0.04	0.04	0.00	0.00	0.00	6.06
Oceania																
Australia	0.82	0.95	0.85	0.90	1.40	1.76	1.53	1.72	1.14	1.68	1.30	1.55	0.25	19.23	-0.13	-7.46
New Zealand	0.01	0.00	0.00	0.00	5.40	6.00	6.00	6.00	0.03	0.02	0.02	0.02	0.00	0.00	0.00	0.00
China	0.53	0.53	0.53	0.53	1.19	1.19	1.19	1.19	0.63	0.63	0.63	0.63	0.00	0.00	0.00	0.00
Africa																
Algeria	0.09	0.09	0.09	0.09	1.29	1.29	1.29	1.29	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Morocco	0.01	0.04	0.04	0.04	0.62	0.88	1.13	1.13	0.01	0.04	0.05	0.05	0.00	0.00	0.01	28.57
South Africa	0.02	0.03	0.02	0.02	0.81	2.15	1.50	1.50	0.02	0.06	0.03	0.03	0.00	0.00	-0.03	-46.43
Other Europe																
United Kingdom	0.18	0.21	0.22	0.22	5.91	4.91	5.58	5.58	1.08	1.03	1.20	1.20	0.00	0.00	0.17	16.39
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	0.01	0.01	2.06	2.14	2.14	2.14	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Bosnia and Herzegovina	0.01	0.01	0.01	0.01	2.70	3.09	2.82	2.82	0.03	0.03	0.03	0.03	0.00	0.00	0.00	-8.82
Turkey	0.10	0.10	0.11	0.11	2.30	2.40	2.38	2.38	0.23	0.24	0.25	0.25	0.00	0.00	0.01	4.17
Mexico	0.05	0.03	0.05	0.05	1.98	2.00	2.00	2.00	0.10	0.06	0.09	0.09	0.00	0.00	0.03	50.00
Others	0.03	0.03	0.03	0.03	1.67	1.66	1.76	1.76	0.05	0.05	0.05	0.05	0.00	0.00	0.00	6.25

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.		2021/22 Proj.		Prel.		2021/22 Proj.		Prel.		2021/22 Proj.		From last month		From last year	
	2019/20	2020/21	Jun	Jul	2019/20	2020/21	Jun	Jul	2019/20	2020/21	Jun	Jul	MMT	Percent	MMT	Percent
World	4.03	4.23	4.17	4.18	3.04	3.38	3.13	3.13	12.26	14.30	13.05	13.07	0.02	0.15	-1.23	-8.60
United States	0.13	0.13	0.14	0.15	2.16	2.19	2.08	2.09	0.27	0.29	0.29	0.31	0.02	6.97	0.01	4.78
Total Foreign	3.91	4.09	4.03	4.03	3.07	3.42	3.17	3.17	11.99	14.00	12.76	12.76	0.00	0.00	-1.24	-8.88
European Union	2.21	2.23	2.20	2.20	3.80	4.10	3.77	3.77	8.40	9.12	8.30	8.30	0.00	0.00	-0.82	-8.94
Former Soviet Union - 12																
Russia	0.82	0.97	0.95	0.95	1.73	2.44	2.16	2.16	1.42	2.38	2.05	2.05	0.00	0.00	-0.33	-13.72
Belarus	0.32	0.30	0.25	0.25	2.37	3.00	2.80	2.80	0.76	0.90	0.70	0.70	0.00	0.00	-0.20	-22.22
Ukraine	0.12	0.14	0.17	0.17	2.90	3.28	3.21	3.21	0.34	0.46	0.53	0.53	0.00	0.00	0.07	15.47
Kazakhstan	0.02	0.02	0.03	0.03	1.00	1.25	1.20	1.20	0.02	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Turkey	0.11	0.11	0.12	0.12	2.91	2.91	2.87	2.87	0.32	0.32	0.33	0.33	0.00	0.00	0.01	3.13
Canada	0.10	0.15	0.16	0.16	3.23	3.19	3.19	3.19	0.33	0.49	0.51	0.51	0.00	0.00	0.02	4.51
South America																
Chile	0.00	0.00	0.00	0.00	5.00	5.00	5.00	5.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Argentina	0.11	0.07	0.07	0.07	2.04	2.00	2.05	2.05	0.22	0.14	0.14	0.14	0.00	0.00	-0.01	-3.57
Other Europe																
Bosnia and Herzegovina	0.00	0.00	0.00	0.00	2.50	3.67	3.00	3.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	-18.18
Switzerland	0.00	0.00	0.00	0.00	5.50	5.50	5.50	5.50	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Serbia	0.00	0.00	0.00	0.00	2.50	2.50	2.50	2.50	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Australia	0.04	0.04	0.04	0.04	0.68	0.68	0.68	0.68	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Others	0.04	0.04	0.04	0.04	2.51	2.48	2.50	2.50	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.92

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.		2021/22 Proj.		Prel.		2021/22 Proj.		Prel.		2021/22 Proj.		From last month		From last year	
	2019/20	2020/21	Jun	Jul	2019/20	2020/21	Jun	Jul	2019/20	2020/21	Jun	Jul	MMT	Percent	MMT	Percent
World	40.53	40.68	41.97	41.80	1.44	1.53	1.55	1.54	58.28	62.05	65.21	64.50	-0.71	-1.09	2.45	3.95
United States	1.89	2.06	2.51	2.34	4.58	4.59	4.32	4.33	8.67	9.47	10.85	10.14	-0.71	-6.56	0.66	6.98
Total Foreign	38.64	38.62	39.46	39.46	1.28	1.36	1.38	1.38	49.61	52.58	54.37	54.37	0.00	0.00	1.79	3.41
Africa																
Nigeria	5.90	5.60	5.70	5.70	1.13	1.17	1.19	1.19	6.67	6.57	6.80	6.80	0.00	0.00	0.23	3.50
Ethiopia	1.83	1.85	1.87	1.87	2.88	2.81	2.78	2.78	5.27	5.20	5.20	5.20	0.00	0.00	0.00	0.00
Sudan	6.83	7.00	7.00	7.00	0.54	0.71	0.71	0.71	3.71	5.00	5.00	5.00	0.00	0.00	0.00	0.00
Burkina Faso	1.89	1.80	1.80	1.80	0.99	0.87	0.94	0.94	1.87	1.56	1.70	1.70	0.00	0.00	0.14	8.97
Mali	1.50	1.83	1.50	1.50	1.01	0.98	1.00	1.00	1.51	1.80	1.50	1.50	0.00	0.00	-0.30	-16.71
Niger	3.75	3.70	3.70	3.70	0.51	0.52	0.51	0.51	1.90	1.92	1.90	1.90	0.00	0.00	-0.02	-1.14
Cameroon	0.73	0.74	0.74	0.74	1.67	1.62	1.62	1.62	1.22	1.20	1.20	1.20	0.00	0.00	0.00	0.00
Tanzania	0.65	0.70	0.70	0.70	1.13	1.07	1.07	1.07	0.73	0.75	0.75	0.75	0.00	0.00	0.00	0.00
Egypt	0.14	0.14	0.14	0.14	5.36	5.36	5.36	5.36	0.75	0.75	0.75	0.75	0.00	0.00	0.00	0.00
Uganda	0.42	0.43	0.43	0.43	0.95	0.94	0.94	0.94	0.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00
Ghana	0.30	0.25	0.25	0.25	1.15	1.42	1.12	1.12	0.35	0.36	0.28	0.28	0.00	0.00	-0.08	-21.35
Mozambique	0.30	0.30	0.25	0.25	1.08	0.97	0.70	0.70	0.33	0.29	0.18	0.18	0.00	0.00	-0.12	-39.66
South Africa	0.04	0.05	0.05	0.05	3.67	3.88	3.78	3.78	0.16	0.19	0.17	0.17	0.00	0.00	-0.02	-10.53
Mexico	1.38	1.29	1.42	1.42	3.14	3.10	3.31	3.31	4.33	4.00	4.70	4.70	0.00	0.00	0.70	17.50
South America																
Argentina	0.58	0.72	0.95	0.95	4.35	4.48	4.37	4.37	2.50	3.20	4.15	4.15	0.00	0.00	0.95	29.69
Brazil	0.84	0.88	0.90	0.90	2.99	3.12	3.00	3.00	2.50	2.73	2.70	2.70	0.00	0.00	-0.03	-1.17
South Asia																
India	4.82	4.10	4.80	4.80	0.99	1.17	0.96	0.96	4.77	4.80	4.60	4.60	0.00	0.00	-0.20	-4.17
Pakistan	0.24	0.25	0.26	0.26	0.58	0.58	0.59	0.59	0.14	0.15	0.15	0.15	0.00	0.00	0.01	3.45
China	0.75	0.73	0.73	0.73	4.80	4.86	4.93	4.93	3.60	3.55	3.60	3.60	0.00	0.00	0.05	1.41
Australia	0.20	0.51	0.53	0.53	1.46	2.65	3.02	3.02	0.30	1.35	1.60	1.60	0.00	0.00	0.25	18.52
European Union	0.16	0.20	0.19	0.19	5.30	5.05	5.53	5.53	0.85	1.01	1.05	1.05	0.00	0.00	0.04	3.96
Others	5.40	5.57	5.57	5.57	1.07	1.04	1.08	1.08	5.78	5.80	5.99	5.99	0.00	0.00	0.19	3.31

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			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MMT	Percent	MMT	Percent
World	160.39	162.56	163.02	162.90	4.63	4.64	4.64	4.64	497.74	504.94	506.62	506.04	-0.57	-0.11	1.10	0.22
United States	1.00	1.21	1.08	1.06	8.38	8.54	8.57	8.54	5.88	7.23	6.46	6.33	-0.14	-2.09	-0.90	-12.41
Total Foreign	159.39	161.35	161.95	161.84	4.61	4.61	4.61	4.61	491.87	497.71	500.15	499.71	-0.44	-0.09	2.00	0.40
East Asia																
China	29.69	30.08	30.00	30.00	7.06	7.04	7.10	7.10	146.73	148.30	149.00	149.00	0.00	0.00	0.70	0.47
Japan	1.54	1.53	1.53	1.53	6.78	6.78	6.83	6.83	7.61	7.57	7.58	7.58	0.00	0.00	0.01	0.17
Korea, South	0.73	0.73	0.72	0.72	6.87	6.49	7.01	7.01	3.74	3.51	3.77	3.77	0.00	0.00	0.26	7.50
Korea, North	0.50	0.50	0.50	0.50	4.18	4.18	4.18	4.18	1.36	1.36	1.36	1.36	0.00	0.00	0.00	0.00
South Asia																
India	43.66	44.40	44.40	44.40	4.08	4.12	4.09	4.09	118.87	122.00	121.00	121.00	0.00	0.00	-1.00	-0.82
Bangladesh	11.83	11.50	11.65	11.65	4.55	4.51	4.55	4.55	35.85	34.60	35.33	35.33	0.00	0.00	0.73	2.11
Pakistan	3.03	3.38	3.30	3.30	3.67	3.63	3.73	3.73	7.41	8.18	8.20	8.20	0.00	0.00	0.02	0.20
Nepal	1.46	1.47	1.48	1.48	3.80	3.78	3.77	3.77	3.70	3.70	3.70	3.70	0.00	0.00	0.00	0.11
Sri Lanka	0.97	1.09	1.00	1.00	4.85	4.66	4.72	4.72	3.21	3.45	3.21	3.21	0.00	0.00	-0.24	-6.96
Southeast Asia																
Indonesia	11.60	11.80	11.80	11.80	4.71	4.70	4.71	4.71	34.70	35.20	35.30	35.30	0.00	0.00	0.10	0.28
Vietnam	7.38	7.35	7.30	7.30	5.88	5.90	5.90	5.90	27.10	27.10	26.90	26.90	0.00	0.00	-0.20	-0.74
Thailand	9.89	10.40	10.50	10.50	2.70	2.74	2.81	2.81	17.66	18.83	19.50	19.50	0.00	0.00	0.67	3.56
Burma	6.90	6.90	7.00	7.00	2.86	2.85	2.86	2.86	12.65	12.60	12.80	12.80	0.00	0.00	0.20	1.59
Philippines	4.64	4.80	4.75	4.75	4.08	4.10	4.11	4.11	11.93	12.40	12.30	12.30	0.00	0.00	-0.10	-0.81
Cambodia	3.26	3.27	3.30	3.30	2.89	2.90	2.93	2.93	5.74	5.78	5.90	5.90	0.00	0.00	0.12	2.02
Laos	0.84	0.96	0.97	0.97	3.01	3.14	3.19	3.19	1.60	1.90	1.95	1.95	0.00	0.00	0.05	2.63
Malaysia	0.70	0.68	0.68	0.68	4.01	4.07	4.07	4.07	1.83	1.80	1.80	1.80	0.00	0.00	0.00	0.00
South America																
Brazil	1.67	1.68	1.70	1.70	6.71	6.90	6.76	6.88	7.60	7.91	7.82	7.96	0.14	1.74	0.05	0.63
Peru	0.42	0.42	0.43	0.43	7.68	7.76	7.92	7.92	2.20	2.25	2.35	2.35	0.00	0.00	0.10	4.44
Africa																
Egypt	0.76	0.70	0.70	0.60	8.20	8.28	8.28	8.33	4.30	4.00	4.00	3.45	-0.55	-13.75	-0.55	-13.75
Madagascar	1.40	1.40	1.40	1.40	3.02	2.86	2.57	2.57	2.71	2.56	2.30	2.30	0.00	0.00	-0.26	-10.00
Nigeria	3.50	3.60	3.65	3.65	2.29	2.16	2.17	2.17	5.04	4.89	5.00	5.00	0.00	0.00	0.11	2.25
European Union	0.42	0.42	0.42	0.41	6.86	6.70	6.78	6.71	1.99	1.95	1.99	1.89	-0.10	-4.82	-0.06	-3.02
Iran	0.58	0.58	0.58	0.58	5.25	5.27	5.27	5.27	1.99	2.00	2.00	2.00	0.00	0.00	0.00	0.00
Others	12.03	11.73	12.20	12.21	3.08	3.09	3.12	3.12	24.36	23.88	25.09	25.16	0.07	0.29	1.28	5.37

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			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MMT	Percent	MMT	Percent
World Total	--	--	--	--	--	--	--	--	580.69	600.20	632.86	635.41	2.55	0.40	35.21	5.87
Total Foreign	--	--	--	--	--	--	--	--	473.71	477.85	502.57	504.95	2.38	0.47	27.10	5.67
Oilseed, Copra	--	--	--	--	--	--	--	--	5.84	5.72	5.98	5.98	0.00	0.00	0.26	4.49
Oilseed, Palm Kernel	--	--	--	--	--	--	--	--	19.15	18.72	19.76	19.76	0.00	0.00	1.04	5.54
Major Oilseeds	246.23	251.25	257.69	259.75	2.26	2.29	2.36	2.35	555.70	575.75	607.12	609.67	2.55	0.42	33.92	5.89
United States	36.83	38.72	40.92	41.32	2.91	3.16	3.18	3.16	106.98	122.35	130.29	130.46	0.17	0.13	8.11	6.63
Foreign Oilseeds	209.41	212.53	216.78	218.44	2.14	2.13	2.20	2.19	448.72	453.40	476.83	479.21	2.38	0.50	25.81	5.69
South America	63.80	65.01	68.32	68.33	3.18	3.20	3.27	3.27	203.09	208.01	223.14	223.15	0.01	0.00	15.14	7.28
Brazil	38.77	40.17	42.21	42.21	3.45	3.52	3.53	3.53	133.78	141.26	149.15	149.15	0.00	0.00	7.89	5.58
Argentina	19.03	18.79	19.59	19.59	2.82	2.71	2.92	2.92	53.64	50.98	57.12	57.13	0.01	0.02	6.15	12.06
Paraguay	3.38	3.24	3.54	3.54	3.02	3.09	3.00	3.00	10.21	10.02	10.62	10.62	0.00	0.00	0.60	6.00
Bolivia	1.49	1.51	1.53	1.53	2.00	2.09	2.07	2.07	2.99	3.15	3.16	3.16	0.00	0.00	0.01	0.44
Uruguay	0.98	1.17	1.32	1.32	2.14	1.92	2.06	2.06	2.09	2.24	2.72	2.72	0.00	0.00	0.48	21.48
China	25.22	25.92	25.25	25.35	2.50	2.56	2.55	2.55	63.03	66.26	64.40	64.60	0.20	0.31	-1.66	-2.50
South Asia	41.30	43.41	42.52	42.72	0.96	0.94	0.98	0.98	39.47	40.96	41.66	41.83	0.17	0.41	0.87	2.13
India	37.85	40.15	39.35	39.65	0.94	0.94	0.97	0.97	35.62	37.85	38.20	38.50	0.30	0.79	0.65	1.72
Pakistan	3.08	2.90	2.80	2.70	1.10	0.92	1.08	1.07	3.40	2.66	3.02	2.89	-0.13	-4.31	0.23	8.53
European Union	10.65	10.80	10.90	10.90	2.62	2.61	2.81	2.79	27.94	28.21	30.58	30.38	-0.20	-0.65	2.17	7.68
United Kingdom	0.50	0.38	0.32	0.32	3.38	2.77	3.41	3.41	1.68	1.05	1.08	1.08	0.00	0.00	0.03	2.38
Former Soviet Union - 12	26.10	25.69	25.97	27.07	1.96	1.74	1.91	1.91	51.05	44.66	49.56	51.76	2.20	4.44	7.10	15.89
Russia	12.56	12.50	12.80	13.90	1.73	1.61	1.68	1.69	21.70	20.14	21.45	23.55	2.10	9.79	3.41	16.91
Ukraine	9.70	9.65	9.48	9.48	2.52	2.06	2.45	2.46	24.46	19.85	23.20	23.30	0.10	0.43	3.45	17.38
Uzbekistan	1.01	0.98	0.98	0.98	1.36	1.41	1.36	1.36	1.37	1.37	1.33	1.33	0.00	0.00	-0.04	-2.84
Canada	10.76	10.41	11.09	11.13	2.40	2.45	2.43	2.37	25.82	25.45	26.98	26.37	-0.61	-2.26	0.91	3.59
Africa	22.78	22.17	23.01	23.02	1.01	1.04	1.01	1.01	22.92	23.06	23.29	23.30	0.01	0.03	0.24	1.04
Nigeria	4.35	4.47	4.47	4.47	1.23	1.21	1.21	1.21	5.36	5.43	5.43	5.43	0.00	0.00	0.00	0.00
South Africa	1.27	1.37	1.45	1.45	1.70	2.01	1.87	1.87	2.16	2.75	2.71	2.71	0.00	0.00	-0.04	-1.49
Tanzania	1.60	1.45	1.55	1.55	0.85	0.87	0.85	0.85	1.36	1.26	1.32	1.32	0.00	0.00	0.06	4.43
Southeast Asia	3.12	3.25	3.20	3.20	1.38	1.36	1.37	1.37	4.30	4.41	4.38	4.38	0.00	0.00	-0.04	-0.79
Burma	1.87	2.03	2.04	2.04	1.18	1.17	1.19	1.19	2.21	2.37	2.42	2.42	0.00	0.00	0.04	1.81
Indonesia	0.95	0.94	0.89	0.89	1.55	1.54	1.55	1.55	1.47	1.45	1.39	1.39	0.00	0.00	-0.06	-4.15
Australia	2.12	2.73	3.26	3.46	1.19	1.81	1.52	1.60	2.53	4.93	4.95	5.55	0.60	12.12	0.62	12.60
Turkey	1.42	1.18	1.31	1.31	2.33	2.46	2.49	2.49	3.31	2.89	3.27	3.27	0.00	0.00	0.38	13.06
Others	1.65	1.59	1.64	1.64	2.17	2.20	2.17	2.17	3.58	3.51	3.56	3.56	0.00	0.00	0.04	1.25

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			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MMT	Percent	MMT	Percent
World	122.64	127.70	132.51	132.42	2.77	2.85	2.91	2.91	339.41	363.57	385.52	385.22	-0.30	-0.08	21.65	5.95
United States	30.33	33.31	35.09	35.09	3.19	3.38	3.42	3.42	96.67	112.55	119.88	119.88	0.00	0.00	7.34	6.52
Total Foreign	92.32	94.39	97.42	97.32	2.63	2.66	2.73	2.73	242.74	251.03	265.64	265.34	-0.30	-0.11	14.32	5.70
South America																
Brazil	36.90	38.60	40.40	40.40	3.48	3.55	3.56	3.56	128.50	137.00	144.00	144.00	0.00	0.00	7.00	5.11
Argentina	16.70	16.60	17.20	17.20	2.92	2.80	3.02	3.02	48.80	46.50	52.00	52.00	0.00	0.00	5.50	11.83
Paraguay	3.30	3.15	3.45	3.45	3.06	3.14	3.04	3.04	10.10	9.90	10.50	10.50	0.00	0.00	0.60	6.06
Bolivia	1.36	1.39	1.40	1.40	2.08	2.17	2.14	2.14	2.83	3.00	3.00	3.00	0.00	0.00	0.00	0.00
Uruguay	0.92	1.10	1.25	1.25	2.17	1.93	2.08	2.08	1.99	2.13	2.60	2.60	0.00	0.00	0.48	22.35
East Asia																
China	9.30	9.87	9.60	9.60	1.95	1.99	1.98	1.98	18.10	19.60	19.00	19.00	0.00	0.00	-0.60	-3.06
Korea, South	0.06	0.06	0.06	0.06	1.81	1.47	1.71	1.71	0.11	0.08	0.09	0.09	0.00	0.00	0.01	16.05
Korea, North	0.15	0.15	0.15	0.15	1.50	1.50	1.50	1.50	0.23	0.23	0.23	0.23	0.00	0.00	0.00	0.00
Japan	0.14	0.14	0.15	0.15	1.47	1.65	1.66	1.66	0.21	0.24	0.24	0.24	0.00	0.00	0.01	2.55
India	12.19	12.70	12.70	12.70	0.76	0.82	0.88	0.88	9.30	10.45	11.20	11.20	0.00	0.00	0.75	7.18
Canada	2.27	2.04	2.20	2.10	2.71	3.11	2.91	2.90	6.15	6.35	6.40	6.10	-0.30	-4.69	-0.25	-3.94
Former Soviet Union - 12																
Russia	2.78	2.71	2.90	2.90	1.57	1.59	1.59	1.59	4.36	4.31	4.60	4.60	0.00	0.00	0.29	6.80
Ukraine	1.96	1.46	1.50	1.50	2.29	2.05	2.33	2.33	4.50	3.00	3.50	3.50	0.00	0.00	0.50	16.67
European Union	0.90	0.94	0.98	0.98	2.90	2.74	2.87	2.87	2.62	2.58	2.80	2.80	0.00	0.00	0.23	8.74
Southeast Asia																
Indonesia	0.40	0.39	0.35	0.35	1.20	1.22	1.21	1.21	0.48	0.48	0.43	0.43	0.00	0.00	-0.05	-10.53
Vietnam	0.04	0.04	0.03	0.03	1.57	1.57	1.67	1.67	0.07	0.06	0.05	0.05	0.00	0.00	-0.01	-9.09
Thailand	0.03	0.03	0.03	0.03	1.53	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	0.14	0.13	0.13	1.04	1.04	1.04	1.04	0.14	0.14	0.14	0.14	0.00	0.00	-0.01	-3.57
Serbia	0.22	0.22	0.22	0.22	2.73	2.89	2.84	2.84	0.60	0.64	0.63	0.63	0.00	0.00	-0.01	-1.57
Mexico	0.15	0.16	0.19	0.19	1.57	1.57	1.58	1.58	0.24	0.25	0.30	0.30	0.00	0.00	0.06	22.45
Africa																
South Africa	0.71	0.83	0.85	0.85	1.77	2.31	2.06	2.06	1.25	1.92	1.75	1.75	0.00	0.00	-0.17	-8.85
Nigeria	1.00	1.00	1.00	1.00	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.00	0.00	0.00	0.00
Zambia	0.20	0.19	0.19	0.19	1.43	1.50	1.50	1.50	0.28	0.29	0.29	0.29	0.00	0.00	0.00	0.00
Uganda	0.05	0.05	0.05	0.05	0.60	0.60	0.60	0.60	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Middle East																
Iran	0.07	0.07	0.07	0.07	2.43	2.41	2.29	2.29	0.17	0.17	0.16	0.16	0.00	0.00	-0.01	-5.33
Turkey	0.03	0.03	0.03	0.03	3.89	3.79	3.67	3.67	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Others	0.35	0.36	0.36	0.36	1.93	1.93	1.92	1.92	0.68	0.69	0.68	0.68	0.00	0.00	0.00	-0.44

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			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MMT	Percent	MMT	Percent
World	34.28	30.91	32.43	32.69	1.30	1.34	1.34	1.34	44.42	41.28	43.46	43.78	0.32	0.73	2.50	6.06
United States	4.65	3.35	3.90	4.25	1.16	1.22	1.25	1.25	5.39	4.09	4.87	5.31	0.44	9.03	1.22	29.85
Total Foreign	29.63	27.56	28.53	28.44	1.32	1.35	1.35	1.35	39.02	37.19	38.59	38.47	-0.12	-0.32	1.28	3.45
South Asia																
India	13.50	13.00	13.00	13.00	0.93	0.92	0.95	0.95	12.52	12.02	12.31	12.31	0.00	0.00	0.30	2.47
Pakistan	2.45	2.20	2.10	2.00	1.10	0.89	1.09	1.08	2.69	1.95	2.30	2.17	-0.13	-5.66	0.22	11.13
China	3.45	3.25	3.10	3.10	3.10	3.50	3.39	3.39	10.68	11.37	10.50	10.50	0.00	0.00	-0.87	-7.61
Former Soviet Union - 12																
Uzbekistan	1.01	0.98	0.98	0.98	1.36	1.41	1.36	1.36	1.37	1.37	1.33	1.33	0.00	0.00	-0.04	-2.84
Turkmenistan	0.55	0.55	0.55	0.55	0.66	0.66	0.64	0.64	0.36	0.36	0.35	0.35	0.00	0.00	-0.01	-2.22
Tajikistan	0.18	0.16	0.17	0.17	1.27	1.22	1.15	1.15	0.23	0.20	0.20	0.20	0.00	0.00	0.00	0.00
Kazakhstan	0.13	0.11	0.12	0.12	1.13	0.95	0.93	0.93	0.14	0.11	0.11	0.11	0.00	0.00	0.00	1.90
South America																
Brazil	1.67	1.37	1.60	1.60	2.75	2.61	2.75	2.75	4.58	3.57	4.40	4.40	0.00	0.00	0.83	23.26
Argentina	0.42	0.44	0.42	0.42	0.68	0.67	0.70	0.70	0.28	0.29	0.29	0.29	0.00	0.00	0.00	1.03
Middle East																
Turkey	0.57	0.35	0.45	0.45	1.98	2.71	2.47	2.47	1.13	0.95	1.11	1.11	0.00	0.00	0.16	17.21
Syria	0.03	0.03	0.03	0.03	2.36	2.36	2.20	2.20	0.06	0.06	0.06	0.06	0.00	0.00	0.00	-6.78
Iran	0.08	0.08	0.08	0.08	1.16	1.16	1.10	1.10	0.09	0.09	0.09	0.09	0.00	0.00	-0.01	-5.38
Australia	0.06	0.28	0.41	0.41	3.12	3.06	2.86	2.86	0.19	0.84	1.17	1.17	0.00	0.00	0.33	39.24
European Union	0.35	0.34	0.32	0.32	1.81	1.58	1.78	1.78	0.64	0.54	0.58	0.58	0.00	0.00	0.04	7.45
Africa																
Burkina Faso	0.58	0.56	0.59	0.59	0.42	0.46	0.44	0.44	0.24	0.25	0.26	0.26	0.00	0.00	0.01	3.56
Mali	0.74	0.17	0.70	0.70	0.52	0.49	0.52	0.52	0.38	0.08	0.37	0.37	0.00	0.00	0.28	350.62
Cameroon	0.25	0.25	0.25	0.25	1.29	1.28	1.20	1.20	0.32	0.32	0.30	0.30	0.00	0.00	-0.02	-6.25
Cote d'Ivoire	0.41	0.45	0.45	0.45	0.66	0.61	0.61	0.61	0.27	0.27	0.27	0.27	0.00	0.00	0.00	1.48
Benin	0.67	0.62	0.65	0.65	0.71	0.78	0.71	0.71	0.47	0.48	0.46	0.46	0.00	0.00	-0.02	-3.34
Tanzania	0.60	0.45	0.55	0.55	0.43	0.36	0.40	0.40	0.26	0.16	0.22	0.22	0.00	0.00	0.06	34.36
Egypt	0.10	0.07	0.08	0.09	0.92	1.00	1.04	1.01	0.09	0.07	0.08	0.09	0.01	9.64	0.03	40.00
Nigeria	0.15	0.27	0.27	0.27	0.57	0.56	0.56	0.56	0.09	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Uganda	0.09	0.10	0.10	0.10	1.67	1.40	1.40	1.40	0.15	0.14	0.14	0.14	0.00	0.00	0.00	0.00
Zimbabwe	0.18	0.24	0.21	0.21	0.40	0.55	0.36	0.36	0.07	0.13	0.08	0.08	0.00	0.00	-0.06	-42.86
Sudan	0.20	0.20	0.20	0.20	1.53	1.41	1.41	1.41	0.31	0.28	0.28	0.28	0.00	0.00	0.00	0.00
Mexico	0.23	0.15	0.15	0.15	2.37	2.40	2.33	2.33	0.53	0.35	0.35	0.35	0.00	0.00	0.00	0.57
Burma	0.25	0.24	0.25	0.25	1.22	1.17	1.18	1.18	0.30	0.28	0.29	0.29	0.00	0.00	0.01	3.57
Others	0.78	0.70	0.76	0.76	0.76	0.74	0.72	0.72	0.59	0.52	0.55	0.55	0.00	0.00	0.02	4.39

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.		2021/22 Proj.		Prel.		2021/22 Proj.		Prel.		2021/22 Proj.		From last month		From last year	
	2019/20	2020/21	Jun	Jul	2019/20	2020/21	Jun	Jul	2019/20	2020/21	Jun	Jul	MMT	Percent	MMT	Percent
World	28.09	29.63	28.80	29.12	1.71	1.67	1.71	1.70	48.09	49.38	49.17	49.54	0.37	0.74	0.15	0.31
United States	0.56	0.65	0.63	0.65	4.41	4.25	4.54	4.54	2.48	2.78	2.87	2.93	0.07	2.30	0.15	5.43
Total Foreign	27.53	28.98	28.17	28.47	1.66	1.61	1.64	1.64	45.61	46.60	46.30	46.60	0.30	0.65	0.00	0.00
China	4.63	4.75	4.75	4.75	3.78	3.79	3.83	3.83	17.52	17.99	18.20	18.20	0.00	0.00	0.21	1.15
Africa																
Nigeria	3.20	3.20	3.20	3.20	1.38	1.38	1.38	1.38	4.40	4.40	4.40	4.40	0.00	0.00	0.00	0.00
Sudan	3.13	3.00	3.00	3.00	0.90	0.83	0.83	0.83	2.83	2.50	2.50	2.50	0.00	0.00	0.00	0.00
Senegal	1.11	1.22	1.20	1.20	1.28	1.31	1.29	1.29	1.42	1.60	1.55	1.55	0.00	0.00	-0.05	-3.13
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	0.33	0.33	0.33	0.33	1.36	1.36	1.36	1.36	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00
Chad	0.79	0.80	0.80	0.80	1.14	1.13	1.13	1.13	0.90	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	0.92	0.90	0.90	0.90	0.46	0.45	0.45	0.45	0.00	0.00	0.00	0.00
Niger	0.90	0.92	0.92	0.92	0.60	0.60	0.60	0.60	0.54	0.55	0.55	0.55	0.00	0.00	0.00	0.00
Mali	0.45	0.43	0.43	0.43	0.82	1.00	1.00	1.00	0.37	0.43	0.43	0.43	0.00	0.00	0.00	0.00
Uganda	0.43	0.43	0.43	0.43	0.71	0.71	0.71	0.71	0.30	0.30	0.30	0.30	0.00	0.00	0.00	0.00
Burkina Faso	0.49	0.49	0.50	0.50	0.81	0.82	0.80	0.80	0.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00
Guinea	0.91	0.90	0.90	0.90	1.05	1.00	1.00	1.00	0.96	0.90	0.90	0.90	0.00	0.00	0.00	0.00
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	1.76	2.00	2.00	2.00	0.07	0.08	0.08	0.08	0.00	0.00	0.00	0.00
Mozambique	0.38	0.38	0.38	0.38	0.34	0.34	0.34	0.34	0.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.15	0.15	0.15	0.15	1.45	1.45	1.45	1.45	0.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00
Benin	0.19	0.19	0.19	0.19	0.92	0.92	0.92	0.92	0.18	0.18	0.18	0.18	0.00	0.00	0.00	0.00
South Asia																
India	4.83	6.00	5.20	5.50	1.30	1.12	1.15	1.15	6.26	6.70	6.00	6.30	0.30	5.00	-0.40	-5.97
Pakistan	0.09	0.10	0.10	0.10	0.98	0.92	0.92	0.92	0.09	0.09	0.09	0.09	0.00	0.00	0.00	0.00
Southeast Asia																
Indonesia	0.55	0.55	0.54	0.54	1.80	1.78	1.78	1.78	0.99	0.97	0.96	0.96	0.00	0.00	-0.01	-1.03
Burma	0.89	1.06	1.06	1.06	1.55	1.48	1.51	1.51	1.38	1.56	1.60	1.60	0.00	0.00	0.04	2.43
Vietnam	0.17	0.17	0.16	0.16	2.50	2.50	2.50	2.50	0.43	0.41	0.40	0.40	0.00	0.00	-0.01	-3.15
Thailand	0.02	0.02	0.02	0.02	1.67	1.67	1.67	1.67	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00
South America																
Argentina	0.37	0.36	0.35	0.35	3.50	3.47	4.00	4.00	1.29	1.25	1.40	1.40	0.00	0.00	0.15	12.00
Brazil	0.16	0.17	0.18	0.18	3.93	3.88	3.89	3.89	0.63	0.64	0.70	0.70	0.00	0.00	0.06	9.38
Mexico	0.05	0.06	0.05	0.05	1.74	1.73	1.74	1.74	0.08	0.10	0.09	0.09	0.00	0.00	-0.01	-9.80
Others	1.80	1.80	1.81	1.81	1.12	1.15	1.16	1.16	2.00	2.07	2.10	2.10	0.00	0.00	0.03	1.45

Table 14 Sunflowerseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MMT	Percent	MMT	Percent
World	26.35	26.90	27.02	28.07	2.08	1.85	2.03	2.03	54.71	49.72	54.92	56.99	2.08	3.79	7.27	14.62
United States	0.51	0.67	0.47	0.53	1.75	2.01	1.91	1.86	0.89	1.35	0.90	0.99	0.09	9.92	-0.37	-27.12
Total Foreign	25.84	26.23	26.55	27.54	2.08	1.84	2.03	2.03	53.83	48.37	54.02	56.01	1.99	3.68	7.64	15.79
Former Soviet Union - 12																
Russia	8.36	8.35	8.50	9.50	1.83	1.59	1.71	1.74	15.31	13.27	14.50	16.50	2.00	13.79	3.23	24.35
Ukraine	6.40	7.00	6.90	6.90	2.58	2.01	2.42	2.42	16.50	14.10	16.70	16.70	0.00	0.00	2.60	18.44
Kazakhstan	0.82	0.69	0.70	0.70	1.03	1.23	1.29	1.29	0.84	0.84	0.90	0.90	0.00	0.00	0.06	6.64
European Union	4.32	4.35	4.40	4.40	2.19	2.03	2.27	2.27	9.44	8.85	10.00	10.00	0.00	0.00	1.15	12.99
South America																
Argentina	1.53	1.38	1.60	1.60	2.11	2.11	2.13	2.13	3.24	2.90	3.40	3.40	0.00	0.00	0.50	17.24
Uruguay	0.06	0.07	0.07	0.07	1.67	1.69	1.69	1.69	0.10	0.11	0.12	0.12	0.00	0.00	0.01	4.55
Bolivia	0.14	0.13	0.13	0.13	1.19	1.20	1.30	1.30	0.16	0.15	0.16	0.16	0.00	0.00	0.01	9.33
Brazil	0.05	0.03	0.03	0.03	1.60	1.61	1.63	1.63	0.08	0.05	0.05	0.05	0.00	0.00	0.00	-2.00
Paraguay	0.03	0.03	0.03	0.03	1.39	1.53	1.55	1.55	0.04	0.05	0.05	0.05	0.00	0.00	0.00	4.35
China	1.25	1.25	1.10	1.10	2.60	2.64	2.64	2.64	3.25	3.30	2.90	2.90	0.00	0.00	-0.40	-12.12
South Asia																
India	0.23	0.25	0.25	0.25	0.61	0.76	0.75	0.75	0.14	0.19	0.19	0.19	0.00	0.00	0.00	1.62
Pakistan	0.14	0.15	0.15	0.15	1.04	1.07	1.10	1.10	0.15	0.16	0.17	0.17	0.00	0.00	0.01	3.13
Middle East																
Turkey	0.73	0.72	0.76	0.76	2.40	2.17	2.38	2.38	1.75	1.56	1.80	1.80	0.00	0.00	0.24	15.38
Iran	0.04	0.04	0.04	0.04	1.08	1.08	1.00	1.00	0.04	0.04	0.04	0.04	0.00	0.00	0.00	2.33
Israel	0.00	0.00	0.00	0.00	5.00	9.00	7.00	7.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	-22.22
Africa																
Egypt	0.01	0.01	0.01	0.01	2.38	2.38	2.38	2.38	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
Morocco	0.02	0.02	0.02	0.02	1.32	1.25	1.25	1.25	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
South Africa	0.50	0.48	0.55	0.55	1.58	1.50	1.56	1.56	0.79	0.72	0.85	0.85	0.00	0.00	0.13	18.06
Burma	0.60	0.60	0.60	0.60	0.65	0.65	0.65	0.65	0.39	0.39	0.39	0.39	0.00	0.00	0.00	0.00
Canada	0.03	0.05	0.04	0.03	2.17	2.24	2.14	2.17	0.06	0.10	0.08	0.07	-0.01	-13.33	-0.04	-35.64
Australia	0.01	0.02	0.02	0.02	1.22	1.50	1.31	1.31	0.01	0.03	0.02	0.02	0.00	0.00	-0.01	-22.22
Others	0.59	0.64	0.67	0.67	2.52	2.36	2.48	2.48	1.50	1.51	1.66	1.66	0.00	0.00	0.15	9.66

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.		2021/22 Proj.		Prel.		2021/22 Proj.		Prel.		2021/22 Proj.		From last month		From last year	
	2019/20	2020/21	Jun	Jul	2019/20	2020/21	Jun	Jul	2019/20	2020/21	Jun	Jul	MMT	Percent	MMT	Percent
World	34.86	36.11	36.94	37.46	1.98	1.99	2.00	1.98	69.08	71.80	74.05	74.14	0.09	0.11	2.34	3.26
United States	0.78	0.73	0.83	0.80	2.00	2.16	2.13	1.69	1.55	1.58	1.77	1.34	-0.43	-24.02	-0.23	-14.72
Total Foreign	34.09	35.38	36.11	36.66	1.98	1.98	2.00	1.99	67.52	70.22	72.28	72.79	0.51	0.71	2.57	3.66
European Union	5.08	5.17	5.20	5.20	3.00	3.15	3.31	3.27	15.24	16.25	17.20	17.00	-0.20	-1.16	0.75	4.63
United Kingdom	0.50	0.38	0.32	0.32	3.38	2.77	3.41	3.41	1.68	1.05	1.08	1.08	0.00	0.00	0.03	2.38
Switzerland	0.02	0.02	0.02	0.02	3.14	3.14	3.14	3.14	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Canada	8.46	8.32	8.85	9.00	2.32	2.28	2.32	2.24	19.61	19.00	20.50	20.20	-0.30	-1.46	1.20	6.32
China	6.58	6.80	6.70	6.80	2.05	2.06	2.06	2.06	13.49	14.00	13.80	14.00	0.20	1.45	0.00	0.00
South Asia																
India	7.10	8.20	8.20	8.20	1.04	1.04	1.04	1.04	7.40	8.50	8.50	8.50	0.00	0.00	0.00	0.00
Pakistan	0.40	0.45	0.45	0.45	1.20	1.02	1.03	1.03	0.48	0.46	0.47	0.47	0.00	0.00	0.01	1.09
Bangladesh	0.25	0.25	0.25	0.25	0.92	0.92	0.92	0.92	0.23	0.23	0.23	0.23	0.00	0.00	0.00	0.00
Former Soviet Union - 12																
Russia	1.42	1.45	1.40	1.50	1.44	1.77	1.68	1.63	2.04	2.57	2.35	2.45	0.10	4.26	-0.12	-4.56
Ukraine	1.34	1.19	1.08	1.08	2.59	2.31	2.79	2.88	3.47	2.75	3.00	3.10	0.10	3.33	0.35	12.73
Belarus	0.34	0.35	0.32	0.32	1.68	1.57	1.59	1.59	0.58	0.55	0.50	0.50	0.00	0.00	-0.05	-9.09
Kazakhstan	0.27	0.12	0.25	0.25	0.90	1.23	1.10	1.10	0.24	0.15	0.28	0.28	0.00	0.00	0.12	79.74
Australia	2.03	2.40	2.80	3.00	1.13	1.67	1.32	1.43	2.30	4.00	3.70	4.30	0.60	16.22	0.30	7.50
South America																
Chile	0.04	0.03	0.04	0.04	4.05	4.00	4.00	4.00	0.15	0.14	0.14	0.14	0.00	0.00	0.00	2.94
Paraguay	0.04	0.05	0.04	0.04	1.50	1.41	1.45	1.45	0.06	0.07	0.06	0.06	0.00	0.00	0.00	-1.54
Ethiopia	0.02	0.03	0.03	0.03	1.83	1.80	1.80	1.80	0.04	0.05	0.05	0.05	0.00	0.00	0.00	0.00
Others	0.20	0.17	0.18	0.18	2.30	2.28	2.10	2.10	0.45	0.40	0.37	0.38	0.01	2.72	-0.02	-4.79

World and Selected Countries and Regions

Table 16 Copra, Palm Kernel, and Palm Oil Production

Country / Region	Production (Million metric tons)				Change in Production			
	2019/20	Prel.	2021/22 Proj.		From last month		From last year	
		2020/21	Jun	Jul	MMT	Percent	MMT	Percent
Oilseed, Copra								
Philippines	2.50	2.40	2.60	2.60	0.00	0.00	0.20	8.33
Indonesia	1.66	1.67	1.68	1.68	0.00	0.00	0.01	0.60
India	0.75	0.75	0.79	0.79	0.00	0.00	0.04	5.33
Vietnam	0.28	0.28	0.29	0.29	0.00	0.00	0.01	3.57
Mexico	0.22	0.20	0.20	0.20	0.00	0.00	0.00	0.00
Papua New Guinea	0.08	0.08	0.08	0.08	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
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	5.84	5.72	5.98	5.98	0.00	0.00	0.26	4.55
Oilseed, Palm Kernel								
Indonesia	11.25	11.46	11.70	11.70	0.00	0.00	0.24	2.09
Malaysia	4.75	4.10	4.80	4.80	0.00	0.00	0.70	17.07
Thailand	0.75	0.80	0.85	0.85	0.00	0.00	0.05	6.25
Nigeria	0.73	0.73	0.73	0.73	0.00	0.00	0.00	0.00
Colombia	0.31	0.29	0.30	0.30	0.00	0.00	0.01	3.45
Guatemala	0.17	0.17	0.18	0.18	0.00	0.00	0.01	5.88
Papua New Guinea	0.16	0.16	0.16	0.16	0.00	0.00	0.00	0.00
Cameroon	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Brazil	0.14	0.14	0.15	0.15	0.00	0.00	0.00	0.00
Ecuador	0.11	0.13	0.12	0.12	0.00	0.00	-0.01	-7.69
World	19.15	18.72	19.76	19.76	0.00	0.00	1.04	5.56
Oil, Palm								
Indonesia	42.50	43.50	44.50	44.50	0.00	0.00	1.00	2.30
Malaysia	19.26	18.20	19.70	19.70	0.00	0.00	1.50	8.24
Thailand	2.65	2.85	3.10	3.12	0.02	0.65	0.28	9.86
Colombia	1.53	1.56	1.65	1.65	0.00	0.00	0.09	5.77
Nigeria	1.22	1.28	1.28	1.28	0.00	0.00	0.00	0.00
Guatemala	0.86	0.87	0.88	0.88	0.00	0.00	0.02	2.33
Papua New Guinea	0.56	0.56	0.57	0.57	0.00	0.00	0.00	0.00
Brazil	0.54	0.55	0.55	0.55	0.00	0.00	0.00	0.00
Ecuador	0.46	0.54	0.55	0.55	0.00	0.00	0.01	1.85
Cote d'Ivoire	0.52	0.52	0.52	0.52	0.00	0.00	0.00	0.00
World	73.05	73.31	76.38	76.40	0.02	0.03	3.09	4.21

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			
	2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		2019/20	Prel. 2020/21	2021/22 Proj.		From last month		From last year	
			Jun	Jul			Jun	Jul			Jun	Jul	MBales	Percent	MBales	Percent
World	34.96	31.58	33.09	33.35	756	776	782	779	121.42	112.56	118.87	119.39	0.52	0.43	6.83	6.07
United States	4.65	3.35	3.90	4.25	932	950	950	912	19.91	14.61	17.00	17.80	0.80	4.71	3.19	21.85
Total Foreign	30.31	28.23	29.19	29.10	729	755	760	760	101.50	97.95	101.87	101.59	-0.29	-0.28	3.64	3.71
South Asia																
India	13.50	13.00	13.00	13.00	464	474	486	486	28.80	28.30	29.00	29.00	0.00	0.00	0.70	2.47
Pakistan	2.45	2.20	2.10	2.00	551	445	550	544	6.20	4.50	5.30	5.00	-0.30	-5.66	0.50	11.11
China	3.45	3.25	3.10	3.10	1,720	1,976	1,879	1,879	27.25	29.50	26.75	26.75	0.00	0.00	-2.75	-9.32
South America																
Brazil	1.67	1.37	1.60	1.60	1,802	1,708	1,803	1,803	13.78	10.75	13.25	13.25	0.00	0.00	2.50	23.26
Argentina	0.42	0.44	0.42	0.42	682	671	700	700	1.30	1.34	1.35	1.35	0.00	0.00	0.01	0.75
Paraguay	0.01	0.01	0.01	0.01	416	416	416	416	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
Africa																
Burkina Faso	0.58	0.56	0.59	0.59	330	358	351	351	0.88	0.92	0.95	0.95	0.00	0.00	0.04	3.83
Mali	0.74	0.17	0.70	0.70	400	376	401	401	1.35	0.29	1.29	1.29	0.00	0.00	1.01	352.63
Cote d'Ivoire	0.41	0.45	0.45	0.45	528	494	496	496	0.99	1.01	1.03	1.03	0.00	0.00	0.02	1.49
Benin	0.67	0.62	0.65	0.65	467	513	469	469	1.43	1.45	1.40	1.40	0.00	0.00	-0.05	-3.45
Egypt	0.10	0.07	0.08	0.09	664	720	748	726	0.31	0.22	0.28	0.30	0.03	9.09	0.09	39.53
Cameroon	0.25	0.25	0.25	0.25	562	557	523	523	0.65	0.64	0.60	0.60	0.00	0.00	-0.04	-6.25
Tanzania	0.60	0.45	0.55	0.55	216	181	198	198	0.60	0.38	0.50	0.50	0.00	0.00	0.13	33.33
Nigeria	0.15	0.27	0.27	0.27	290	282	282	282	0.20	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Zimbabwe	0.18	0.24	0.21	0.21	230	318	207	207	0.19	0.35	0.20	0.20	0.00	0.00	-0.15	-42.86
Ethiopia	0.08	0.08	0.08	0.08	680	637	637	637	0.25	0.24	0.24	0.24	0.00	0.00	0.00	0.00
Former Soviet Union - 12																
Uzbekistan	1.01	0.98	0.98	0.98	754	782	755	755	3.50	3.50	3.40	3.40	0.00	0.00	-0.10	-2.86
Turkmenistan	0.55	0.55	0.55	0.55	368	368	356	356	0.92	0.92	0.90	0.90	0.00	0.00	-0.02	-2.17
Tajikistan	0.18	0.16	0.17	0.17	708	680	640	640	0.59	0.50	0.50	0.50	0.00	0.00	0.00	0.00
Kazakhstan	0.13	0.11	0.12	0.12	627	534	521	521	0.36	0.27	0.28	0.28	0.00	0.00	0.01	1.85
Middle East																
Turkey	0.57	0.35	0.45	0.45	1,318	1,804	1,645	1,645	3.45	2.90	3.40	3.40	0.00	0.00	0.50	17.24
Syria	0.03	0.03	0.03	0.03	1,219	1,219	1,132	1,132	0.14	0.14	0.13	0.13	0.00	0.00	-0.01	-7.14
Iran	0.08	0.08	0.08	0.08	748	748	708	708	0.28	0.28	0.26	0.26	0.00	0.00	-0.02	-5.45
Australia	0.06	0.28	0.41	0.41	2,268	2,217	2,071	2,071	0.63	2.80	3.90	3.90	0.00	0.00	1.10	39.29
Mexico	0.23	0.15	0.15	0.15	1,519	1,532	1,524	1,524	1.57	1.02	1.05	1.05	0.00	0.00	0.03	2.94
Burma	0.25	0.24	0.25	0.25	641	635	644	644	0.72	0.70	0.73	0.73	0.00	0.00	0.03	3.57
Others	2.01	1.92	1.95	1.95	562	531	538	537	5.18	4.68	4.83	4.82	-0.01	-0.21	0.14	2.95

World and Selected Countries and Regions

TABLE 18

The table below presents a record of the July 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 2.8 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 4.7 percent. The average difference between the July projection and the final estimate is 13.9 million tons, ranging from 1 million to 34.6 million tons. The July projection has been below the estimate 24 times and above 16 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	
<i>WHEAT</i>	Percent		---Million metric tons---					
	World	2.8	4.7	13.9	1.0	34.6	24	16
	U.S.	3.4	5.8	1.5	0.0	6.2	19	21
	Foreign	3.0	5.1	13.7	0.3	34.7	25	15
<i>COARSE GRAINS 2/</i>	World	2.9	4.9	22.9	1.3	68.4	21	19
	U.S.	9.9	16.8	15.5	0.6	57.9	19	21
	Foreign	2.6	4.3	14.6	1.1	53.0	21	19
<i>RICE (Milled)</i>	World	2.3	4.0	6.8	0.4	24.0	25	15
	U.S.	5.4	9.2	0.3	0.0	0.8	20	18
	Foreign	2.4	4.0	6.8	0.5	24.3	25	15
<i>SOYBEANS</i>	World	5.0	8.5	7.4	0.5	26.9	19	21
	U.S.	7.0	11.9	3.7	0.0	11.7	21	19
	Foreign	7.3	12.4	6.5	1.0	25.8	21	19
<i>COTTON</i>			---Million 480-lb. bales---					
	World	5.6	9.6	3.8	0.0	14.9	23	17
	U.S.	10.2	17.3	1.4	0.1	5.3	21	19
	Foreign	5.7	9.7	3.0	0.0	12.1	21	18
UNITED STATES			-----Million bushels-----					
	<i>CORN</i>	10.8	18.4	565	12	2,190	22	18
	<i>SORGHUM</i>	17.8	30.2	67	3	213	23	17
	<i>BARLEY</i>	7.6	13.0	20	0	87	13	26
	<i>OATS</i>	12.6	21.5	19	0	144	6	32

1/ Marketing years 1981/82 through 2020/21 for grains, soybeans (U.S. only), and cotton. Final for grains, soybeans, and cotton is defined as the first *November* estimate following the marketing year for 1981/82 through 2019/20, and for 2020/21 the last month's estimate.

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

July 2021

Global Market Analysis, FAS, USDA