



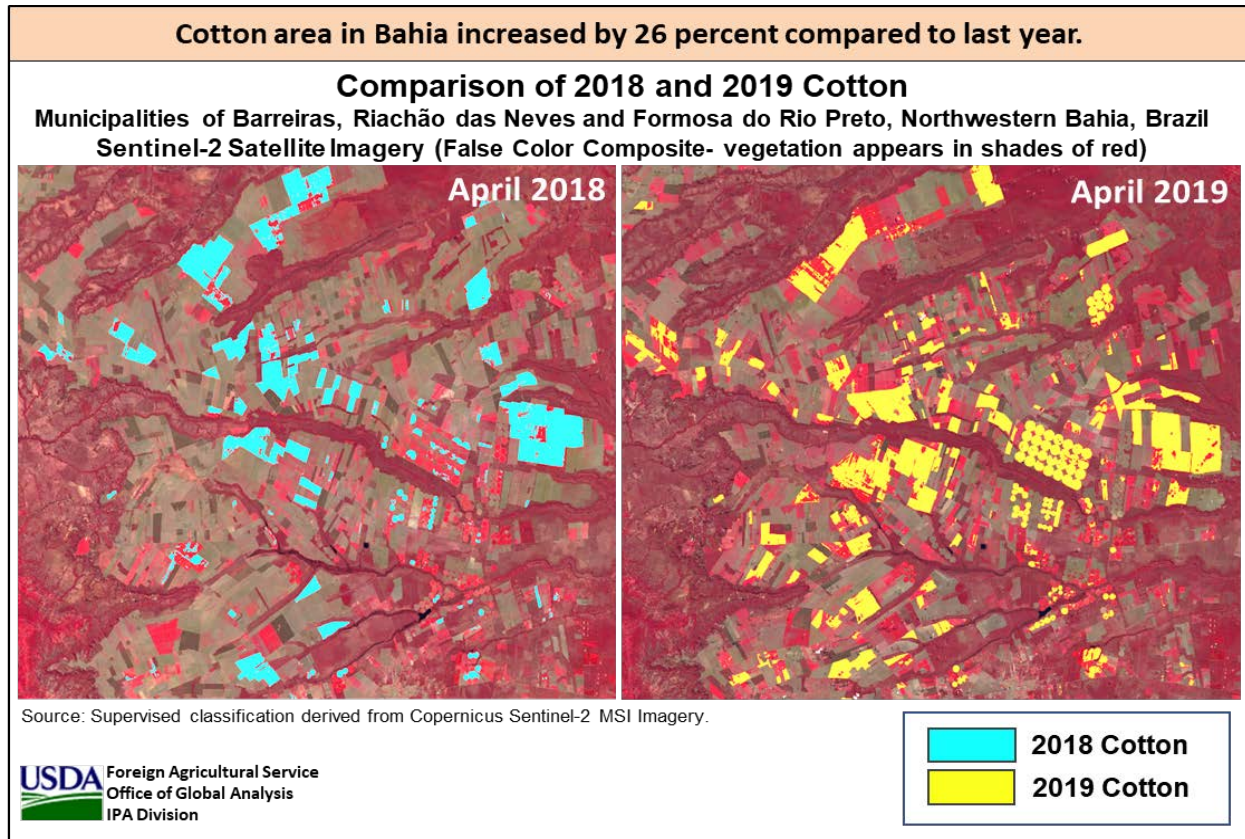
United States  
Department of  
Agriculture

Foreign  
Agricultural  
Service

Circular Series  
WAP 5-19  
May 2019

# World Agricultural Production

## Brazil Cotton: Higher Area and Increased Yield Prospects Boosts Output for 2018/19



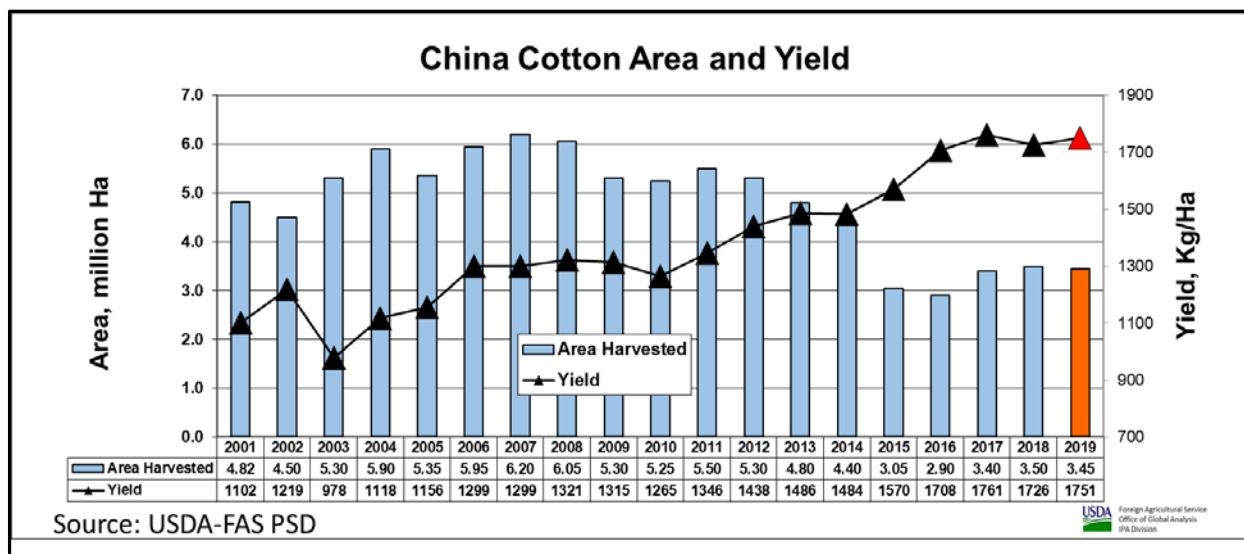
USDA estimates Brazil's 2018/19 cotton production at a record 12.8 million 480-lb bales, up 1.0 million bales (8 percent) from last month, and up 3.6 million bales (39 percent) from last year. Harvested area is estimated at 1.6 million hectares, up 2 percent from last month and up 36 percent from last year. Yield is estimated at a record 1,747 kilograms per hectare, up 7 percent from last month and surpassing the prior record (2017/18) by 2 percent.

Higher prices and two prior seasons of record yields encouraged producers to plant a record area. Eighty-eight percent of Brazil's cotton is produced in Mato Grosso and Bahia, where planted area is up 35 percent and 26 percent, respectively. Favorable weather throughout the region has increased yield prospects. Harvest of the earliest planted cotton in the southernmost growing areas has begun, but most of the main cotton region will be harvested from June to August. *(For more information, please contact [Maria.Anulacion@fas.usda.gov](mailto:Maria.Anulacion@fas.usda.gov)).*

Approved by the World Agricultural Outlook Board

## China Cotton: 2019/20 Production Projected Same as Last Year

USDA forecasts China's 2019/20 cotton production at 27.8 million 480-pound bales (6.04 million metric tons), unchanged from last year, and up 7 percent from the 5-year average. Area is predicted at 3.5 million hectares, down 1 percent from last year. Yield is predicted at 1,751 kilograms per hectare (kg/ha), up 1 percent from last year and up 6 percent from the 5-year average. Cotton yield has increased due to the large share of cotton planted in Xinjiang province where yield is nearly twice the national average. China's major cotton production regions are in Xinjiang, Shandong, Hebei, and Jiangsu provinces. In recent years, Xinjiang province has become the top producer with nearly 80 percent of the total national cotton production.

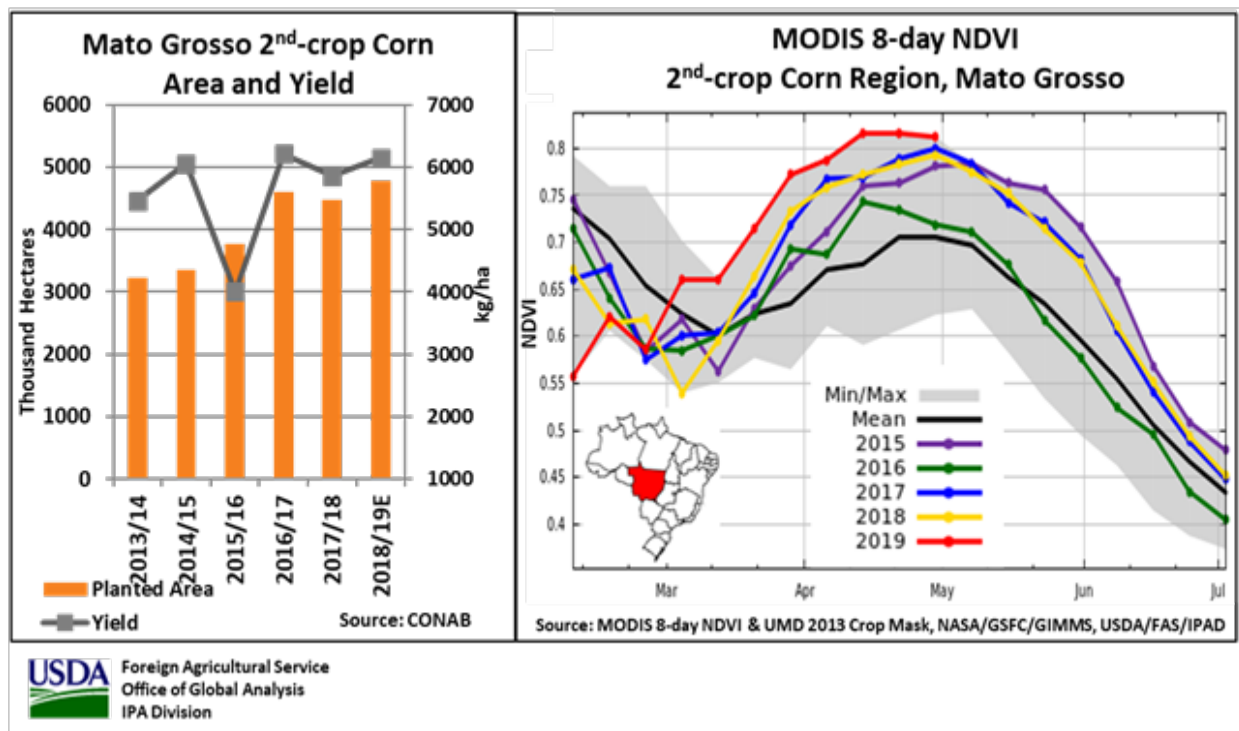


The start of the 2019 season is characterized by favorable weather across the major cotton growing regions. The favorable conditions are facilitating rapid planting and early crop establishment. Planting is almost complete in Xinjiang and is underway on the North China Plain. The optimum planting window is April to May. According to the 2019 planting intentions survey recently published by China National Bureau of Statistics, cotton area will decrease by 2.8 percent from last year. Xinjiang cotton area is expected to decline by 2 percent and a 5.4 percent decline is projected for other major cotton regions outside Xinjiang. Since 2017, Xinjiang province has benefited from a “target-price” subsidy, resulting in increased area. Outside Xinjiang, however, government support continues to decline, resulting in lower-than-expected area. (*For more information, please contact [Dath.Mita@fas.usda.gov](mailto:Dath.Mita@fas.usda.gov)*).

## Brazil Corn: Production Up 22 Percent for 2018/19

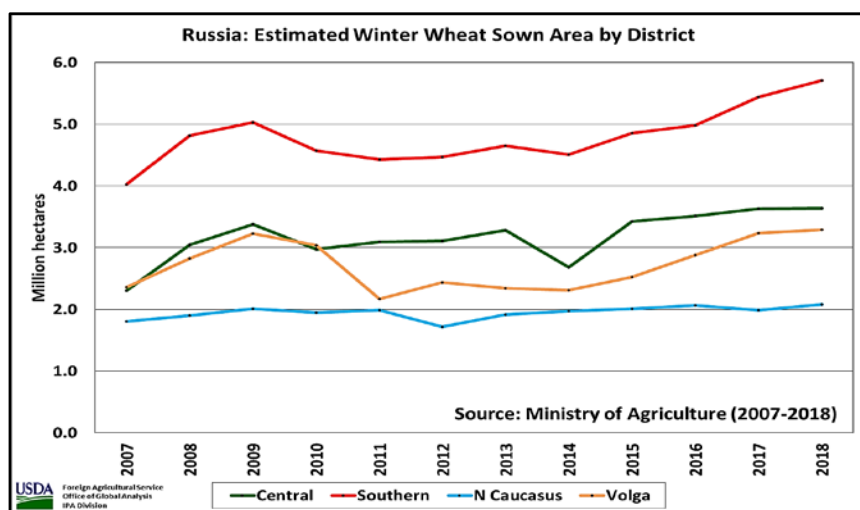
USDA estimates Brazil's 2018/19 corn production at a record 100.0 million metric tons (mmt), up 4.0 mmt (4 percent) from last month, and up 18.0 mmt (22 percent) from last year. Harvested area is estimated at a record 17.5 million hectares (mha), up 0.3 mha (2 percent) from last month and up 5 percent from last year. Yield is estimated at a record 5.71 metric tons per hectare, up 2 percent from last month and up 16 percent from last year's crop, which was affected by drought in southern and eastern corn regions.

This year's first-crop corn yields were reduced by dry weather in parts of the southeast and northeast. The second corn crop was planted earlier than average and benefited from plentiful and



widespread seasonal rains. The satellite-derived Normalized Difference Vegetation Index (NDVI) for major second-crop corn areas confirms a more advanced crop with better vegetation vigor than in previous years. This implies a well-developed crop with higher yield prospects. Most of the second-crop corn is in flowering to grain-filling stages and will be harvested from June through September. First-crop corn harvest continues through June. (*For more information, contact [Maria.Anulacion@fas.usda.gov](mailto:Maria.Anulacion@fas.usda.gov)*).

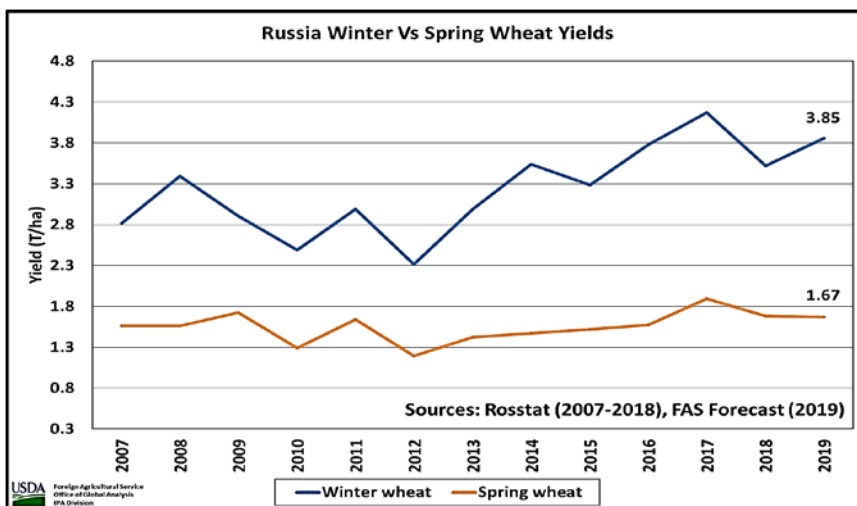
### Russia Wheat: 2019/20 Forecast Yield Would Be the Second Highest on Record



Russia wheat production for 2019/20 is forecast at 77.0 million metric tons (mmt), up 7 percent from last year. The forecast includes 57.8 mmt of winter wheat and 19.2 mmt of spring wheat. USDA crop production forecasts for Russia exclude forecast output from Crimea. Total wheat yield is forecast at 2.91 tons per hectare, up 7 percent from last year. Total area is

expected to increase slightly from last year at 26.5 million hectares.

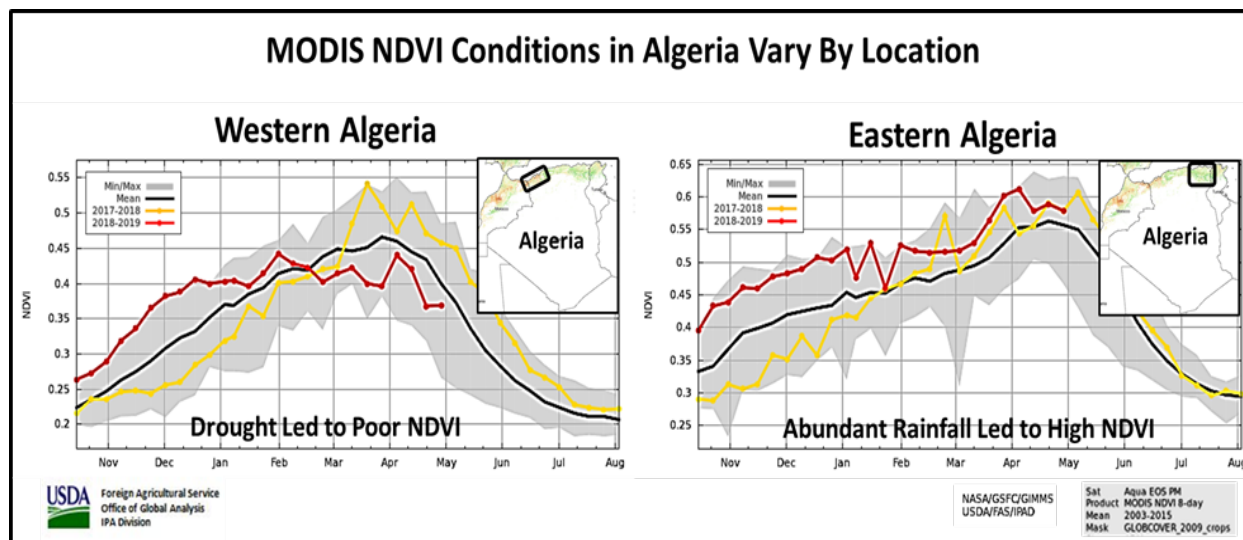
Winter wheat is grown in European Russia (including the Southern, Central, Volga, and North Caucasus Districts) and typically accounts for about half of total wheat area and about 70 percent of production. According to data from the Russian Ministry of Agriculture, the area planted to winter grains in 2019/20 was the highest planted area since 2009 (the



2010/11 marketing year) and is up year to year by 3 percent. Winter wheat accounts for about 85 percent of the total winter grains crop in Russia and the remainder is divided between barley, rye and triticale. Early-season conditions for winter wheat were generally favorable. Winterkill has generally been low for the last few years for all crops and this year is no exception; however, the potential winter wheat yields will hinge largely on weather during May and June. Harvest will begin in early July, in the southern production regions. Planting of spring wheat started in late April and harvest 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 & Prod.” (For more information, please contact [Katie.McGaughey@fas.usda.gov](mailto:Katie.McGaughey@fas.usda.gov)).

### Algeria Wheat: Excellent Conditions in the East Expected to Drive Up 2019/20 Production





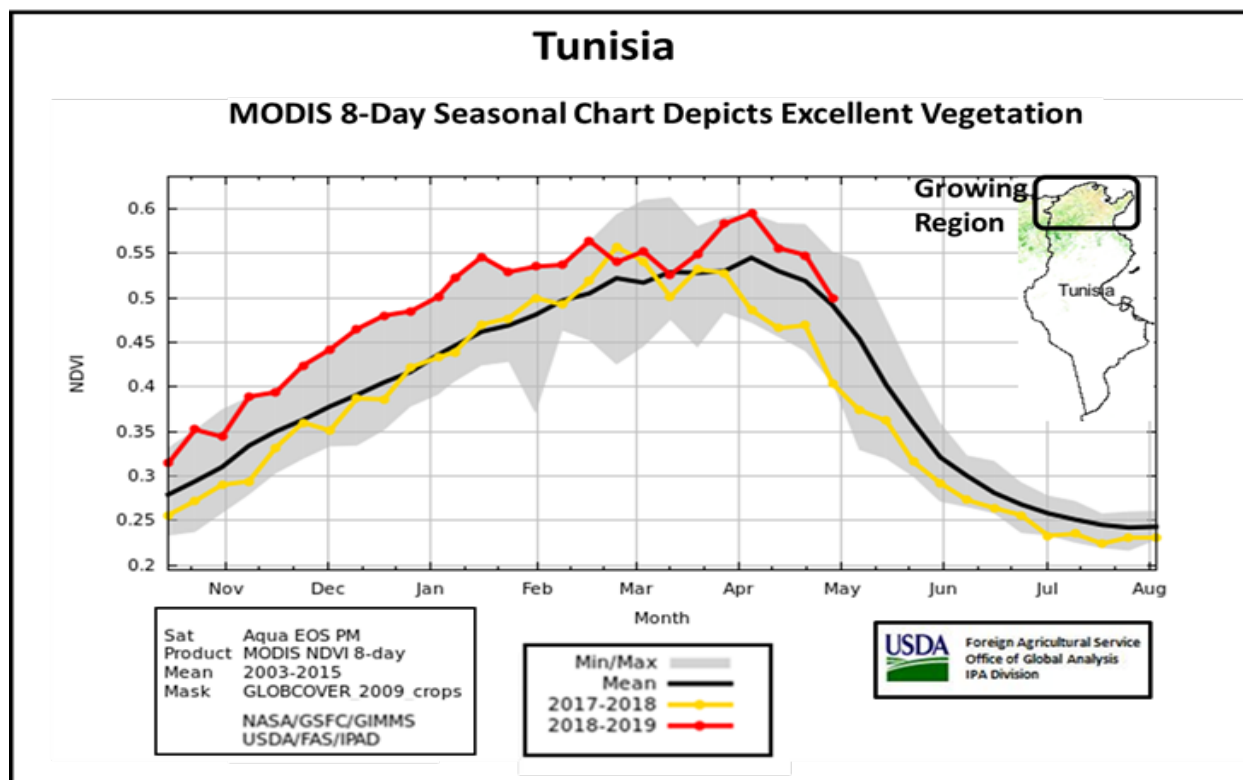
USDA forecasts Algeria wheat production for 2019/20 at a record 4.0 million metric tons (mmt), up 0.1 mmt or 2 percent above last year's record and 55 percent above the 5-year average. Area is estimated at 2.1 million hectares (mha), slightly higher than last year but 20 percent above the 5-year average. Yield is forecast at a record 1.90 metric tons per hectare, slightly higher than last year and up 30 percent from the 5-year average.

This season, crop conditions in Algeria vary greatly by geography. During autumn 2018, all regions started planting with ample precipitation and soil moisture. In the east, where wheat is most heavily concentrated, conditions remained excellent all season, with timely rainfall occurring throughout the growing season. MODIS Normalized Difference Vegetation Index (NDVI) shows exceptionally high vegetation vigor. Conversely, western Algeria experienced a severe drought during late fall and winter which diminished yields. Central Algeria benefited from above normal rainfall and a higher-than-average harvest is expected. The combination of exceptional conditions in the east, along with the good conditions in central areas around the capital Algiers, should allow the national total to reach a record, despite the poor conditions in the west. Irrigation of cereals is minimal and is estimated at 0.3 mha. The majority of the wheat crop is durum.

(For more information, please contact [Bryan.Purcell@fas.usda.gov](mailto:Bryan.Purcell@fas.usda.gov)).

### Tunisia Wheat: Ideal Weather the Catalyst for Record Yields in 2019/20

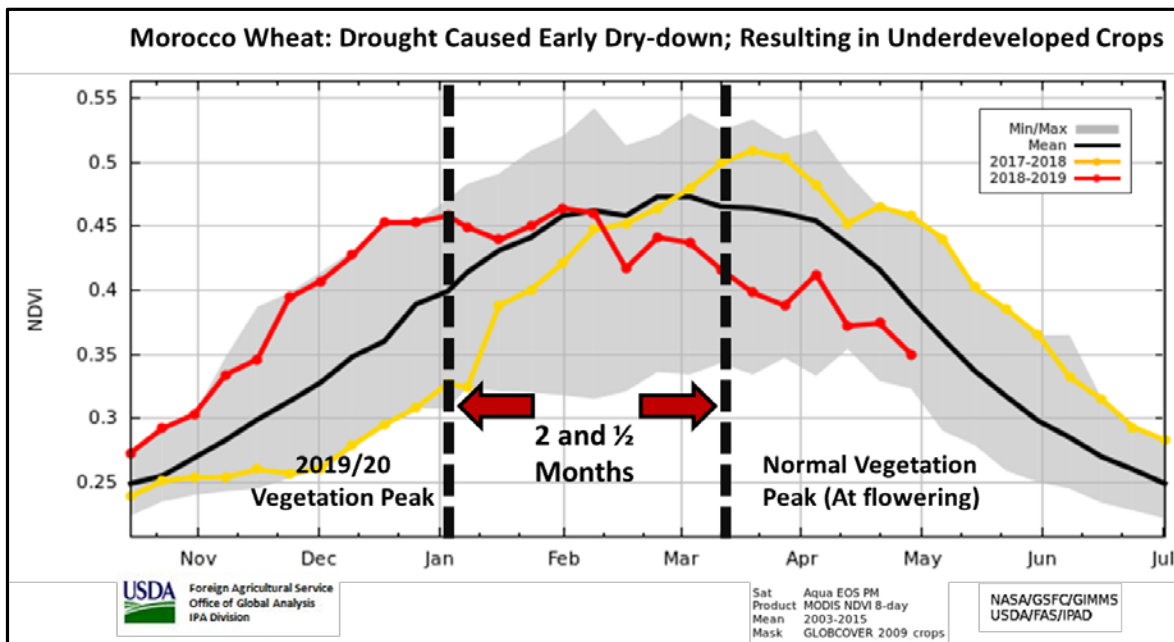
USDA forecasts Tunisia wheat production for 2019/20 at a bumper 1.5 million metric tons (mmt), up 0.4 mmt (40 percent) from last year and 36 percent above the 5-year average. Area is estimated at 0.6 million hectares (mha), 16 percent above last year and 8 percent above the 5-year average. Yield is estimated at a record 2.42 metric tons per hectare, up 21 percent from last year and 27 percent above the 5-year average.



The season began with above average precipitation in Tunisia’s main growing region. Favorable conditions encouraged early planting and increased area. Rainfall remained abundant and frequent throughout the growing period. Season-long soil moisture allowed for strong fall emergence, development, spring growth and beneficial flowering conditions. Rainfall continues to be favorable. Harvest is expected to begin in June and last into July. The crop is predominantly rainfed but includes an estimated 70,000 hectares of irrigated cereals. *(For more information, please contact [Bryan.Purcell@fas.usda.gov](mailto:Bryan.Purcell@fas.usda.gov)).*

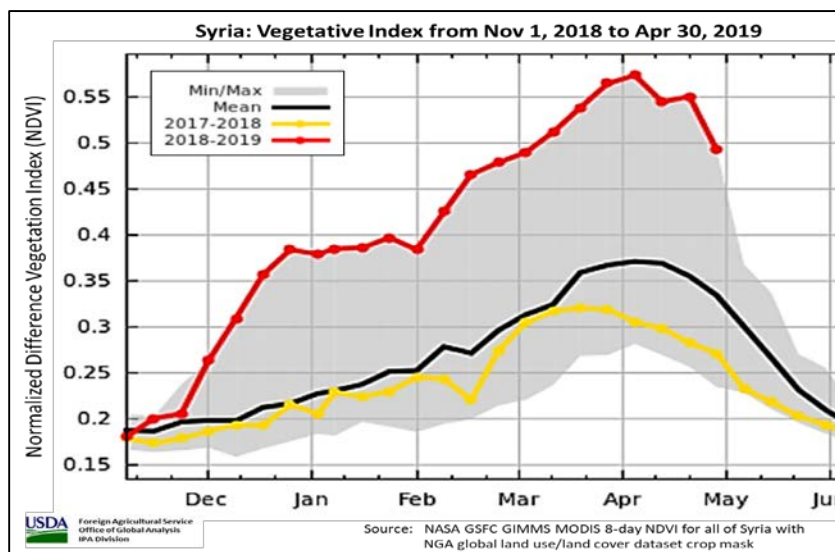
**Morocco Wheat: Drought Cuts Expectations; 2019/20 Crop Estimated Down 40 Percent from Last Year**

USDA estimates Morocco wheat production for 2019/20 at 4.4 million metric tons (mmt), down 2.9 mmt (40 percent) from last year and 28 percent below the 5-year average. Area is estimated down 0.1 million hectares (4 percent) from last year and 7 percent below the 5-year average. Yield is forecast at 1.60 metric tons per hectare, down 38 percent from last year and down 20 percent from the 5-year average.



Throughout Morocco, abundant October and November rainfall aided crop emergence and early development of wheat last autumn, leading to optimistic early expectations. Rainfall ended in mid-November and was negligible until mid-March, when the crop had already begun to senesce. The lack of almost any late fall and winter precipitation significantly damaged the crop during the vegetative stage. The USDA’s Agricultural Affairs Office in Rabat reported that fields turned yellow prematurely and were underdeveloped due to a lack of moisture. Wheat in Morocco typically flowers in March and is harvested in May and June. MODIS Normalized Difference Vegetation Index (NDVI) depicts a crop that was most vibrant two and a half months before normal, with very poor vegetation conditions as the crop matured. Increased rainfall in March and April was too late to substantially boost yields. *(For more information, please contact [Bryan.Purcell@fas.usda.gov](mailto:Bryan.Purcell@fas.usda.gov)).*

## Syria Wheat: 2019/20 Production Rebounds from Last Year's Drought By 140 Percent

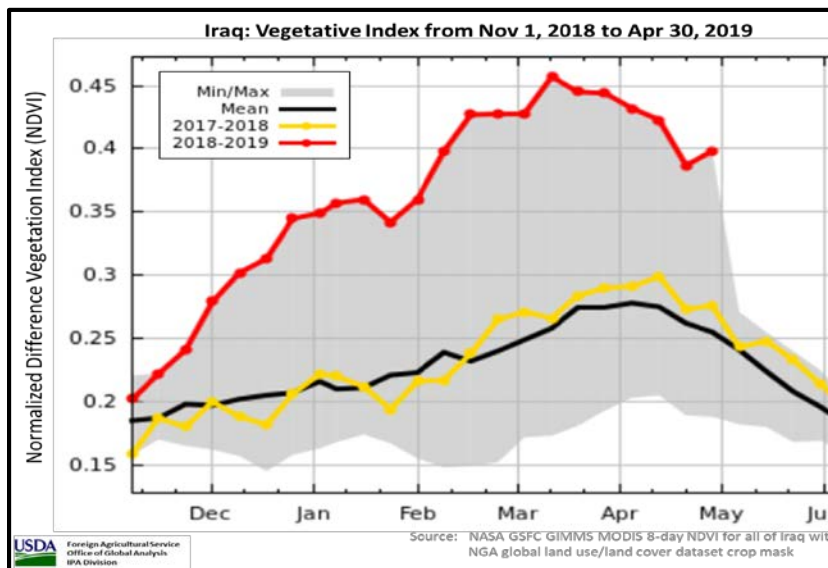


USDA forecasts Syria wheat production for 2019/20 at 4.8 million metric tons (mmt), up 140 percent from last year's crop of 2.0 mmt. Harvested area is forecast at 1.6 million hectares, up 45 percent from last year. Yield is forecast at a record 3.00 metric tons per hectare, up 65 percent from last year's drought. Rainfall has been abundant the entire season since the start of planting in late October. The high-producing northern

provinces have received significantly more precipitation than normal. Satellite-derived Normalized Difference Vegetation Index (NDVI), which is a measure of plant biomass, has been at record levels throughout the growing period. Most of the crop is in the flowering and maturation stages. Harvest will begin in late May. *(For more information, please contact [William.Baker@fas.usda.gov](mailto:William.Baker@fas.usda.gov)).*

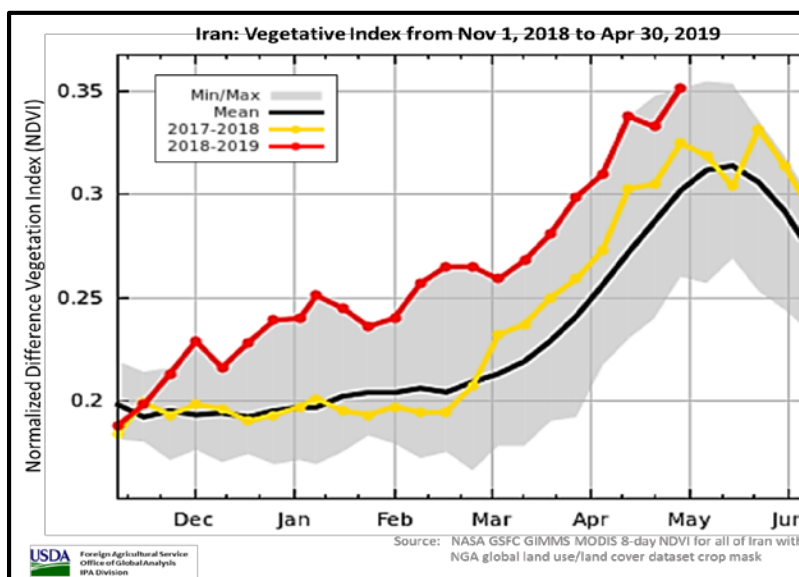
## Iraq Wheat: 2019/20 Production up 60 Percent Due to Abundant Precipitation

Iraq wheat production for 2019/20 is forecast at 4.8 million metric tons (mmt), up 60 percent from last year's crop of 3.0 mmt. Harvested area is forecast at 2.4 million hectares, up 41 percent from last year. Yield is forecast at a record 2.00 metric tons per hectare, up 13 percent from last year. Last year the high producing northern provinces suffered from drought and conflict. This year, however the entire country received well-above-average



precipitation. Resulting yields and production are at record levels as indicated by record high satellite-derived Normalized Difference Vegetation Index (NDVI). The winter grains crop is in late flowering and maturation stage. Harvest will begin in late May and continues through late July. *(For more information, please contact [William.Baker@fas.usda.gov](mailto:William.Baker@fas.usda.gov)).*

## Iran Wheat: Record Yield and Production for 2019/20



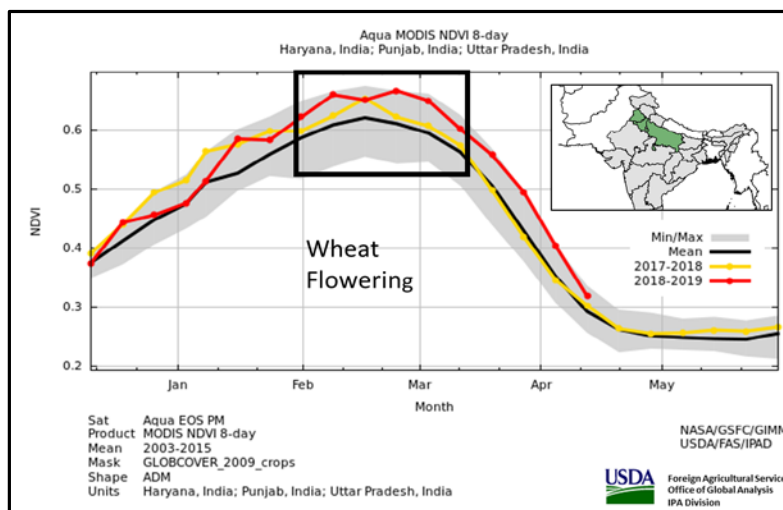
Iran wheat production for 2019/20 is forecast at a record 16.8 million metric tons (mmt), up 2.3 mmt from last year's crop of 14.5 mmt. Harvested area is forecast at 6.7 million hectares, unchanged from last year. Yield is forecast at a record 2.51 metric tons per hectare, up 16 percent from last year. High levels of precipitation have greatly benefited the winter grains crop. Some flooding was reported by local sources; however, damage appears to be minimal as observed by Sentinel-2a satellite image

analysis. Most of the winter grains crop is in the flowering stage, with a few fields ready to begin harvest in the warmer southern provinces. Harvest will begin in late May and continues through late July. (For more information, please contact [William.Baker@fas.usda.gov](mailto:William.Baker@fas.usda.gov)).

## India Wheat: 2019/20 Estimated at Record Production

USDA estimates 2019/20 India wheat production at 100.0 million metric tons, up slightly from the previous year because of ideal growing conditions which boosted yields. Area harvested is estimated at 29.8 million hectares, down slightly from 2018. Yield is estimated to reach record levels or 3.35 metric tons per hectare, up about 1 percent from last year.

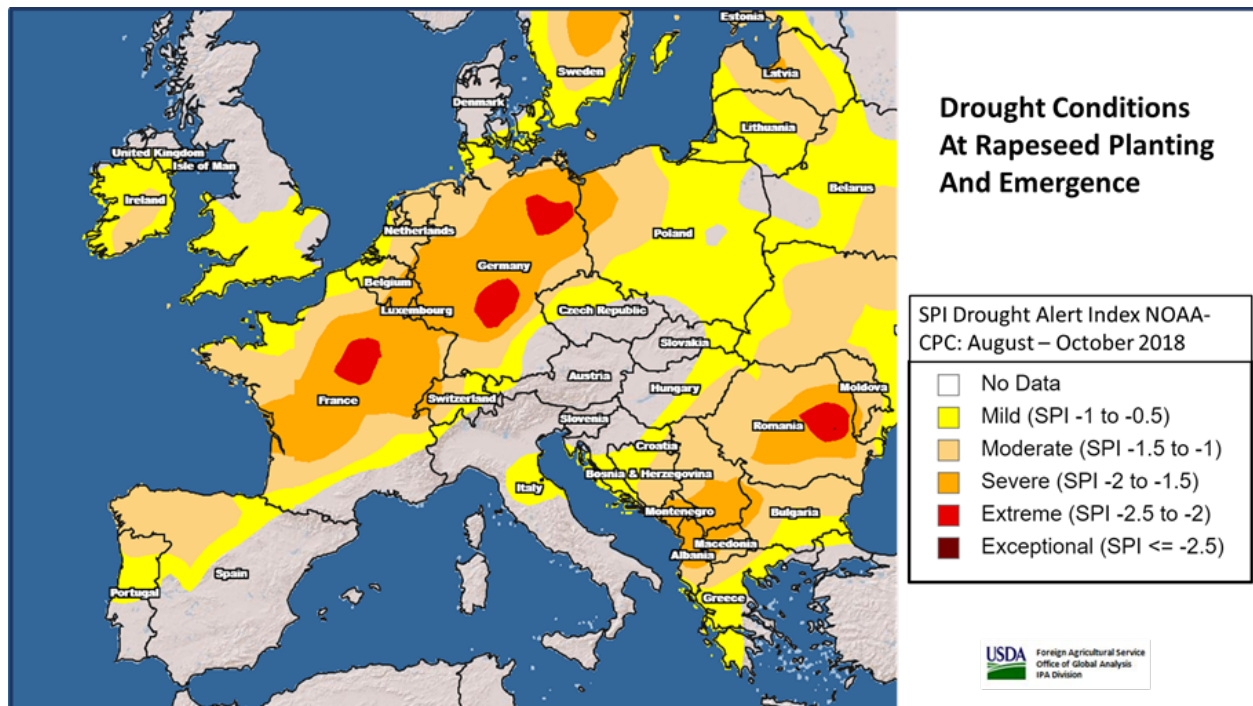
The Southwest Monsoon withdrew later than normal and the residual soil moisture from the late withdrawal encouraged timely planting in northwestern India. Scattered storms in January aided crop development and another storm in February boosted vegetative growth and grain development. Temperatures were slightly below average, which was ideal for wheat. Satellite-derived Normalized Difference Vegetation Index (NDVI) analysis depicted strong crop vigor during flowering across the major wheat production areas of Haryana, Punjab, and Uttar Pradesh. The wheat crop was harvested in April. Wheat is grown only in the rabi season (November through May). (For more information, please contact [Arnella.Trent@fas.usda.gov](mailto:Arnella.Trent@fas.usda.gov)).



Satellite-derived Normalized Difference Vegetation Index (NDVI) analysis depicted strong crop vigor during flowering across the major wheat production areas of Haryana, Punjab, and Uttar Pradesh. The wheat crop was harvested in April. Wheat is grown only in the rabi season (November through May). (For more information, please contact [Arnella.Trent@fas.usda.gov](mailto:Arnella.Trent@fas.usda.gov)).



## EU Rapeseed: Fall Dryness Resulted in Significant Area Reduction for 2019/20



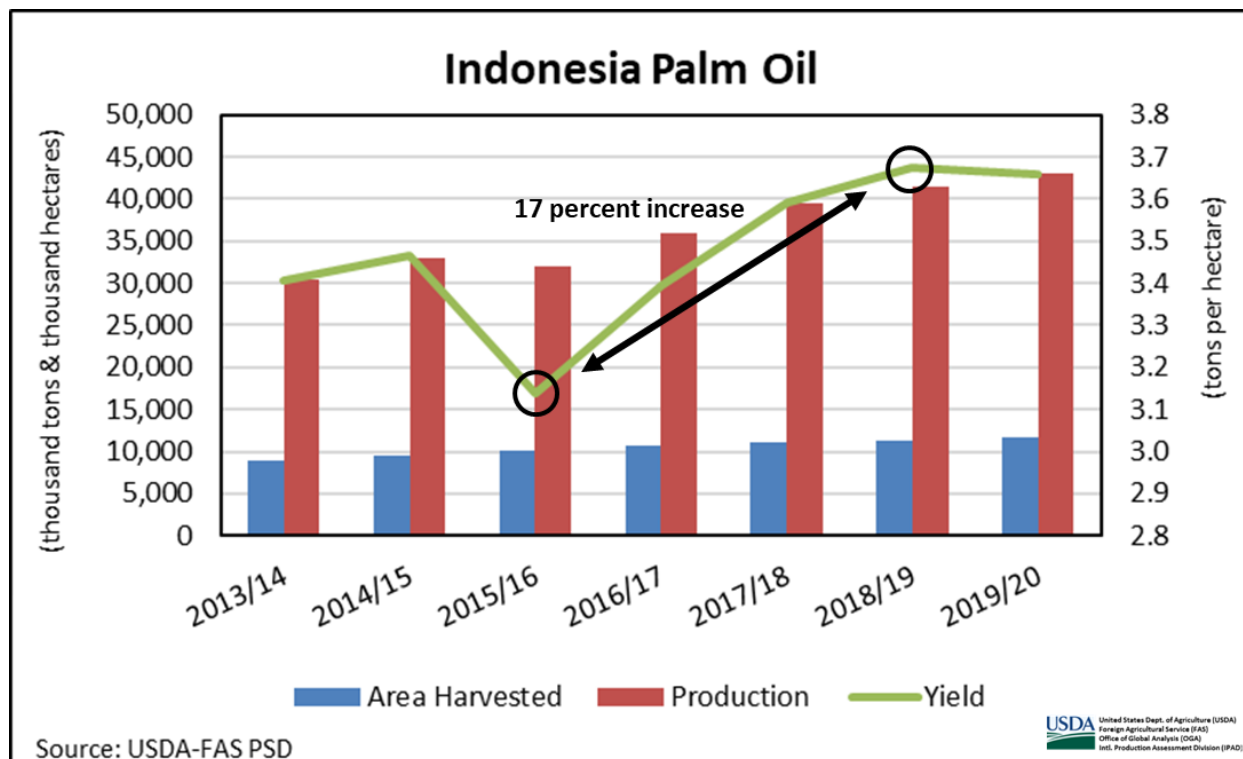
USDA forecasts rapeseed production in the European Union (EU) for 2019/20 at 19.7 million metric tons (mmt), 0.4 mmt (2 percent) below last year, and down 10 percent from the 5-year average. Harvested area is estimated at 5.8 million hectares (mha), 1.3 mha (18 percent) below last year's record area, and 14 percent below the 5-year average. Yield is forecast to rebound to 3.40 tons per hectare, up 20 percent from last year and up 4 percent from the 5-year average.

Harvested area is estimated to be the lowest since 2006/07. Below average rainfall and deficient soil moisture created unfavorable planting conditions in the two largest producer countries, France and Germany. Conditions were also dry and unfavorable for planting in other northern countries such as Poland and the United Kingdom. Another pocket of fall dryness centered in Romania, negatively affected planting and emergence in the Balkans. Romania has developed into a significant rapeseed producer in recent years; however, much of the crop that was planted last fall emerged poorly and was plowed under. Likely replacement crops for rapeseed in Europe include winter wheat in northern Europe, which has a longer planting window in the fall, and summer crops such as corn and sunflower in the Balkans.

Despite these initial hardships, yield is expected to recover and is forecast near trend. No significant winterkill was recorded, and favorable rainfall during spring has returned to the primary rapeseed areas of Europe. The crop is flowering during the months of April and May, and recent satellite-derived vegetation indices show increased vigor.

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@fas.usda.gov](mailto:Bryan.Purcell@fas.usda.gov)).

## Indonesia Palm Oil: 2019/20 Forecast Production to Increase from Last Year



USDA forecasts Indonesia 2019/20 palm oil production at 43.0 million tons, up 1.5 million (4 percent) from last year. The year-to-year production increase is attributed mainly to area expansion as yield is expected to be slightly down from 2018/19. Mature palm area is forecast at 11.8 million hectares, up 4 percent from 2018/19. Annual yield growth has been significant following the 2015/16 El Niño event where dry weather negatively impacted yields in both Sumatra and Kalimantan—yield from 2015/16 to 2018/19 increased by 17 percent. Yield for 2019/20, however, is forecast at 3.66 tons per hectare down, slightly from last year due to a significant decline in crude palm oil prices during the last quarter of 2018/19 as both large- and small-holder plantations reduced fertilizer applications. *(For more information, please contact [Justin.Jenkins@fas.usda.gov](mailto:Justin.Jenkins@fas.usda.gov)).*



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

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This report uses information from the Foreign Agricultural Service’s (FAS) global network of agricultural attachés and counselors, official statistics of foreign governments and other foreign source materials, and the analysis of economic data and satellite imagery. Estimates of foreign area, yield, and production are from the International Production Assessment Division, FAS, and are reviewed by USDA’s Inter-Agency Commodity Estimates Committee. Estimates of U.S. area, yield, and production are from USDA’s National Agricultural Statistics Service. Numbers within the report may not add to totals because of rounding. This report reflects official USDA estimates released in the World Agricultural Supply and Demand Estimates (WASDE-584), May 10, 2019.

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

The FAS International Production Assessment Division prepared this report. The next issue of World Agricultural Production will be released after 12:00 p.m. Eastern Time, June 11, 2019.

**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



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

### **FAS Reports and Databases:**

Current *World Market and Trade and World Agricultural Production* Reports (Please see Data Publications):

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

Archives *World Market and Trade and World Agricultural Production* Reports:

[https://usda.library.cornell.edu/catalog?utf8=%E2%9C%93&search\\_field=all\\_fields&q=world+agricultural+production](https://usda.library.cornell.edu/catalog?utf8=%E2%9C%93&search_field=all_fields&q=world+agricultural+production)

Production, Supply and Distribution Database (PSD Online):

<http://apps.fas.usda.gov/psdonline/psdHome.aspx>

EU Countries Area and Production (Please see Downloadable Data Sets):

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

Russia Wheat, Winter/Spring Area and Production (Please see Downloadable Data Sets):

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

Global Agricultural Trade System (U.S. Exports and Imports):

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

Export Sales Report:

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

Global Agricultural Information Network (Agricultural Attaché Reports):

<http://gain.fas.usda.gov/Pages/Default.aspx>

### **Other USDA Reports:**

World Agricultural Supply and Demand Estimates (WASDE):

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

Economic Research Service:

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

National Agricultural Statistics Service:

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

**Table 01 World Crop Production Summary**

Million Metric Tons

Commodity	World -	Total Foreign	North America			Former Soviet		European	Asia (WAP)					South America		Selected Other			All Others
			United States	Canada -	Mexico -	Russia -	Ukraine -		China -	India -	Indonesia	Pakistan	Thailand	Argentina	Brazil -	Australia	South Africa	Turkey -	
---Million metric tons---																			
<b>Wheat</b>																			
2017/18	762.2	714.9	47.4	30.0	3.5	85.2	27.0	nr	134.3	98.5	0.0	26.6	0.0	18.5	4.3	21.3	1.5	21.0	243.2
2018/19 prel.	731.6	680.3	51.3	31.8	3.0	71.7	25.1	nr	131.4	99.7	0.0	25.1	0.0	19.5	5.4	17.3	1.8	19.0	229.4
2019/20 proj. May	777.5	725.9	51.6	34.5	3.2	77.0	29.0	nr	132.0	100.0	0.0	25.6	0.0	20.0	5.5	22.5	1.9	21.0	253.7
<b>Coarse Grains</b>																			
2017/18	1,358.0	973.6	384.4	26.2	33.2	41.7	34.1	nr	266.8	47.0	11.9	6.2	5.1	39.3	85.1	11.9	13.6	12.3	339.2
2018/19 prel.	1,392.5	1,012.6	379.9	26.2	32.5	35.0	44.5	nr	265.4	42.7	12.6	6.6	5.4	56.9	103.4	10.9	11.6	13.7	345.1
2019/20 proj. May	1,425.7	1,031.5	394.2	29.8	33.1	38.4	43.1	nr	262.5	46.7	13.3	6.6	5.5	56.6	104.5	12.7	14.5	14.6	349.8
<b>Rice, Milled</b>																			
2017/18	495.0	489.4	5.7	0.0	0.2	0.6	0.0	nr	148.9	112.9	37.0	7.5	20.6	0.9	8.2	0.5	0.0	0.5	151.6
2018/19 prel.	499.9	492.8	7.1	0.0	0.2	0.7	0.0	nr	148.5	116.0	37.1	7.4	20.7	0.8	7.5	0.1	0.0	0.6	153.2
2019/20 proj. May	498.4	491.5	6.9	0.0	0.2	0.7	0.0	nr	146.0	115.0	37.4	7.5	21.1	0.8	7.3	0.1	0.0	0.6	154.8
<b>Total Grains</b>																			
2017/18	2,615.2	2,177.8	437.4	56.2	36.9	127.5	61.1	nr	550.0	258.4	48.9	40.3	25.6	58.7	97.5	33.7	15.1	33.8	734.0
2018/19 prel.	2,624.0	2,185.6	438.3	58.0	35.7	107.4	69.6	nr	545.3	258.4	49.7	39.1	26.1	77.2	116.3	28.3	13.5	33.3	727.8
2019/20 proj. May	2,701.6	2,248.8	452.8	64.3	36.5	116.1	72.1	nr	540.5	261.7	50.7	39.7	26.6	77.3	117.3	35.3	16.4	36.2	758.2
<b>Oilseeds</b>																			
2017/18	580.5	449.0	131.5	29.1	1.3	15.5	19.8	nr	59.5	35.4	13.8	4.0	1.0	42.5	125.8	5.2	2.6	3.2	90.5
2018/19 prel.	601.0	467.1	133.9	28.5	1.2	18.7	22.3	nr	59.9	36.1	14.1	3.8	1.0	61.3	121.9	3.0	2.0	3.5	89.9
2019/20 proj. May	598.0	473.8	124.2	27.5	1.3	18.9	23.0	nr	61.7	37.4	14.4	4.0	1.1	58.3	127.7	4.4	2.4	3.3	88.4
<b>Cotton</b>																			
2017/18	123.8	102.9	20.9	0.0	1.6	0.0	0.0	1.5	27.5	29.0	0.0	8.2	0.0	0.8	9.2	4.8	0.2	4.0	16.1
2018/19 prel.	118.4	100.1	18.4	0.0	1.7	0.0	0.0	1.7	27.8	25.5	0.0	7.7	0.0	1.2	12.8	2.5	0.2	3.7	15.3
2019/20 proj. May	125.5	103.5	22.0	0.0	1.8	0.0	0.0	1.8	27.8	28.5	0.0	8.0	0.0	1.2	12.0	2.2	0.2	4.1	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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	219.62	215.87	220.34	3.47	3.39	3.53	762.24	731.55	777.49			45.94	6.28
<b>United States</b>	15.20	16.03	15.80	3.12	3.20	3.27	47.38	51.29	51.62			0.34	0.66
<b>Total Foreign</b>	204.42	199.85	204.54	3.50	3.40	3.55	714.86	680.26	725.87			45.60	6.70
<b>European Union - 28</b>	26.16	25.70	26.50	5.78	5.34	5.80	151.14	137.22	153.80			16.58	12.08
<b>China</b>	24.51	24.27	24.10	5.48	5.42	5.48	134.33	131.43	132.00			0.57	0.43
<b>South Asia</b>													
India	30.79	30.00	29.85	3.20	3.32	3.35	98.51	99.70	100.00			0.30	0.30
Pakistan	9.05	8.80	8.80	2.94	2.85	2.91	26.60	25.10	25.60			0.50	1.99
Afghanistan	2.10	2.00	2.30	2.00	1.80	2.17	4.20	3.60	5.00			1.40	38.89
Nepal	0.77	0.76	0.76	2.31	2.35	2.35	1.78	1.79	1.79			0.00	0.00
<b>Former Soviet Union - 12</b>													
Russia	27.37	26.34	26.50	3.11	2.72	2.91	85.17	71.69	77.00			5.32	7.41
Russia Winter	14.67	14.91	15.00	4.17	3.52	3.85	61.15	52.47	57.80			5.33	10.16
Russia Spring	12.71	11.44	11.50	1.89	1.68	1.67	24.01	19.22	19.20			-0.02	-0.08
Ukraine	6.64	6.72	7.00	4.06	3.73	4.14	26.98	25.06	29.00			3.94	15.74
Kazakhstan	11.91	11.35	11.10	1.24	1.23	1.24	14.80	13.95	13.80			-0.15	-1.05
Uzbekistan	1.44	1.40	1.40	4.79	4.29	4.86	6.90	6.00	6.80			0.80	13.33
Belarus	0.72	0.70	0.75	3.65	3.71	3.83	2.62	2.60	2.88			0.28	10.58
<b>Canada</b>	8.98	9.90	10.00	3.34	3.21	3.45	29.98	31.80	34.50			2.70	8.49
<b>South America</b>													
Argentina	5.80	6.04	6.20	3.19	3.23	3.23	18.50	19.50	20.00			0.50	2.56
Brazil	1.92	2.04	2.20	2.23	2.66	2.50	4.26	5.43	5.50			0.07	1.33
Uruguay	0.19	0.20	0.25	2.28	3.68	3.30	0.44	0.73	0.83			0.10	13.32
<b>Australia</b>	12.25	10.20	12.00	1.74	1.70	1.88	21.30	17.30	22.50			5.20	30.06
<b>Africa</b>													
Egypt	1.32	1.32	1.37	6.40	6.40	6.40	8.45	8.45	8.77			0.32	3.79
Morocco	3.32	2.85	2.75	2.14	2.58	1.60	7.09	7.34	4.40			-2.94	-40.05
Ethiopia	1.72	1.70	1.70	2.81	2.65	2.71	4.83	4.50	4.60			0.10	2.22
Algeria	1.60	2.07	2.10	1.50	1.90	1.90	2.40	3.94	4.00			0.06	1.52
<b>Middle East</b>													
Turkey	7.80	7.62	7.70	2.69	2.50	2.73	21.00	19.00	21.00			2.00	10.53
Iran	6.70	6.70	6.70	2.09	2.16	2.51	14.00	14.50	16.80			2.30	15.86
Iraq	2.20	1.70	2.40	1.82	1.76	2.00	4.00	3.00	4.80			1.80	60.00
Syria	1.10	1.10	1.60	2.00	1.82	3.00	2.20	2.00	4.80			2.80	140.00
<b>Mexico</b>	0.67	0.54	0.61	5.24	5.56	5.25	3.49	3.00	3.20			0.20	6.67
<b>Serbia</b>	0.54	0.68	0.60	4.26	5.04	4.50	2.30	3.40	2.70			-0.70	-20.59
<b>Others</b>	6.86	7.15	7.30	2.56	2.55	2.71	17.57	18.25	19.81			1.56	8.52

**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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	327.64	328.64	333.49	4.14	4.24	4.28	1,357.95	1,392.53	1,425.68			33.15	2.38
<b>United States</b>	36.76	36.39	37.78	10.46	10.44	10.43	384.39	379.92	394.22			14.30	3.76
<b>Total Foreign</b>	290.88	292.25	295.71	3.35	3.46	3.49	973.57	1,012.61	1,031.45			18.84	1.86
<b>China</b>	44.85	44.67	43.65	5.95	5.94	6.01	266.82	265.41	262.48			-2.93	-1.10
<b>European Union</b>	28.96	29.30	29.92	5.26	5.02	5.27	152.31	147.15	157.83			10.68	7.26
<b>South America</b>													
Brazil	17.83	18.81	19.41	4.77	5.50	5.38	85.06	103.44	104.46			1.02	0.99
Argentina	7.10	8.07	7.93	5.54	7.06	7.13	39.32	56.92	56.56			-0.37	-0.64
<b>Former Soviet Union - 12</b>													
Russia	14.59	14.03	14.45	2.86	2.50	2.66	41.72	35.00	38.40			3.40	9.72
Ukraine	7.59	7.58	7.69	4.49	5.87	5.60	34.07	44.50	43.10			-1.40	-3.15
Kazakhstan	2.49	2.97	2.95	1.79	1.76	1.79	4.45	5.23	5.29			0.05	1.01
Belarus	1.00	1.05	0.85	3.30	3.34	3.59	3.29	3.51	3.05			-0.46	-13.11
<b>Africa</b>													
Nigeria	14.57	14.30	14.40	1.33	1.39	1.38	19.44	19.92	19.90			-0.02	-0.10
South Africa	2.79	2.61	3.10	4.86	4.46	4.70	13.55	11.63	14.55			2.92	25.08
Tanzania	5.32	5.35	5.35	1.22	1.22	1.24	6.47	6.55	6.65			0.10	1.53
Burkina	3.85	3.85	3.85	0.97	1.25	1.14	3.73	4.82	4.40			-0.42	-8.69
Ethiopia	5.49	5.59	5.60	2.90	2.95	2.91	15.93	16.50	16.30			-0.20	-1.21
Egypt	1.02	1.07	1.12	7.09	7.14	7.18	7.26	7.66	8.06			0.40	5.22
Mali	4.78	4.50	4.50	1.36	1.54	1.18	6.51	6.94	5.30			-1.64	-23.58
<b>India</b>	23.81	23.15	24.23	1.97	1.85	1.93	46.97	42.72	46.65			3.93	9.20
<b>Southeast Asia</b>													
Indonesia	3.65	3.70	3.90	3.26	3.41	3.41	11.90	12.60	13.30			0.70	5.56
Philippines	2.57	2.50	2.55	3.11	3.08	3.18	7.98	7.70	8.10			0.40	5.19
Vietnam	1.04	0.95	1.00	4.72	4.80	4.85	4.91	4.56	4.85			0.29	6.36
Thailand	1.15	1.23	1.25	4.39	4.36	4.37	5.05	5.35	5.45			0.10	1.87
<b>Mexico</b>	9.07	8.85	9.21	3.66	3.67	3.59	33.19	32.50	33.10			0.60	1.85
<b>Canada</b>	4.74	5.00	5.40	5.54	5.25	5.52	26.24	26.24	29.76			3.52	13.41
<b>Australia</b>	5.31	5.30	5.76	2.24	2.05	2.21	11.91	10.89	12.75			1.85	17.00
<b>Middle East</b>													
Turkey	4.15	4.34	4.53	2.96	3.14	3.21	12.27	13.65	14.55			0.90	6.59
Iran	1.78	1.73	1.91	2.43	2.32	2.63	4.34	4.02	5.02			1.00	24.88
<b>Others</b>	71.38	71.76	71.23	1.53	1.63	1.57	108.89	117.21	111.62			-5.59	-4.77

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	191.74	190.84	193.27	5.62	5.86	5.87	1,077.95	1,119.00	1,133.78			14.79	1.32
<b>United States</b>	33.48	33.08	34.56	11.08	11.07	11.05	371.10	366.29	381.78			15.49	4.23
<b>Total Foreign</b>	158.26	157.77	158.71	4.47	4.77	4.74	706.85	752.71	752.00			-0.71	-0.09
<b>China</b>	42.40	42.13	41.00	6.11	6.11	6.20	259.07	257.33	254.00			-3.33	-1.29
<b>South America</b>													
Brazil	16.60	17.50	18.10	4.94	5.71	5.58	82.00	100.00	101.00			1.00	1.00
Argentina	5.20	5.90	6.00	6.15	8.31	8.17	32.00	49.00	49.00			0.00	0.00
Bolivia	0.37	0.33	0.25	2.50	2.65	2.50	0.93	0.88	0.63			-0.25	-28.57
<b>European Union</b>	8.26	8.27	8.70	7.51	7.67	7.38	62.03	63.40	64.20			0.80	1.26
<b>Africa</b>													
South Africa	2.63	2.40	2.90	4.97	4.58	4.83	13.10	11.00	14.00			3.00	27.27
Nigeria	6.54	6.50	6.50	1.68	1.69	1.69	11.00	11.00	11.00			0.00	0.00
Ethiopia	2.23	2.30	2.30	3.59	3.61	3.48	8.00	8.30	8.00			-0.30	-3.61
Egypt	0.80	0.85	0.90	8.00	8.00	8.00	6.40	6.80	7.20			0.40	5.88
Tanzania	4.20	4.20	4.20	1.27	1.29	1.31	5.35	5.40	5.50			0.10	1.85
Malawi	1.73	1.70	1.70	2.01	1.65	1.94	3.46	2.80	3.30			0.50	17.86
Zambia	1.43	1.09	1.10	2.52	2.21	2.18	3.61	2.40	2.40			0.01	0.21
Kenya	2.09	2.20	2.00	1.52	1.82	1.60	3.19	4.00	3.20			-0.80	-20.00
Uganda	1.19	1.20	1.20	2.54	2.33	2.50	3.02	2.80	3.00			0.20	7.14
Zimbabwe	1.88	1.72	1.40	1.15	0.99	0.57	2.16	1.70	0.80			-0.90	-52.97
<b>Former Soviet Union - 12</b>													
Ukraine	4.43	4.57	4.60	5.44	7.84	7.17	24.12	35.81	33.00			-2.81	-7.83
Russia	2.69	2.37	2.50	4.90	4.81	5.20	13.20	11.42	13.00			1.59	13.89
<b>South Asia</b>													
India	9.22	9.20	9.50	3.12	3.02	3.05	28.72	27.80	29.00			1.20	4.32
Pakistan	1.23	1.32	1.33	4.63	4.62	4.59	5.70	6.10	6.10			0.00	0.00
Nepal	0.90	0.90	0.90	2.84	2.83	2.83	2.56	2.55	2.55			0.00	0.00
<b>Southeast Asia</b>													
Indonesia	3.65	3.70	3.90	3.26	3.41	3.41	11.90	12.60	13.30			0.70	5.56
Philippines	2.57	2.50	2.55	3.11	3.08	3.18	7.98	7.70	8.10			0.40	5.19
Vietnam	1.04	0.95	1.00	4.72	4.80	4.85	4.91	4.56	4.85			0.29	6.36
Thailand	1.12	1.20	1.22	4.45	4.42	4.43	5.00	5.30	5.40			0.10	1.89
<b>Mexico</b>	7.32	7.10	7.30	3.77	3.76	3.70	27.57	26.70	27.00			0.30	1.12
<b>Canada</b>	1.41	1.43	1.50	10.02	9.72	10.27	14.10	13.90	15.40			1.50	10.79
<b>Turkey</b>	0.53	0.53	0.52	10.00	10.75	10.58	5.30	5.70	5.50			-0.20	-3.51
<b>Others</b>	24.60	23.71	23.64	2.46	2.77	2.61	60.50	65.78	61.58			-4.20	-6.39

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	46.57	49.02	50.58	3.04	2.85	3.03	141.79	139.81	153.31			13.50	9.65
<b>United States</b>	0.79	0.80	0.85	3.93	4.17	4.02	3.12	3.33	3.42			0.09	2.55
<b>Total Foreign</b>	45.78	48.22	49.73	3.03	2.83	3.01	138.68	136.48	149.89			13.41	9.83
<b>European Union</b>	12.09	12.38	12.50	4.86	4.52	4.96	58.81	55.97	62.00			6.03	10.78
<b>Former Soviet Union - 12</b>													
Russia	7.71	7.78	7.85	2.62	2.15	2.29	20.21	16.74	18.00			1.26	7.55
Ukraine	2.65	2.57	2.65	3.28	2.96	3.40	8.70	7.60	9.00			1.40	18.36
Kazakhstan	2.07	2.52	2.50	1.60	1.58	1.60	3.31	3.97	4.00			0.03	0.73
Belarus	0.45	0.50	0.40	3.14	3.40	3.50	1.42	1.70	1.40			-0.30	-17.65
Azerbaijan	0.32	0.32	0.32	2.55	2.72	2.72	0.82	0.87	0.87			0.00	0.00
<b>Canada</b>	2.11	2.40	2.60	3.73	3.50	3.77	7.89	8.40	9.80			1.40	16.67
<b>Australia</b>	3.90	4.00	4.20	2.28	2.08	2.19	8.90	8.30	9.20			0.90	10.84
<b>Middle East</b>													
Turkey	3.40	3.60	3.80	1.88	2.06	2.24	6.40	7.40	8.50			1.10	14.86
Iran	1.60	1.55	1.70	1.94	1.81	2.12	3.10	2.80	3.60			0.80	28.57
Iraq	0.78	0.60	1.20	1.26	1.30	1.33	0.98	0.78	1.60			0.82	105.13
Syria	0.80	0.80	1.20	0.97	0.50	1.00	0.78	0.40	1.20			0.80	200.00
<b>Africa</b>													
Ethiopia	0.96	1.00	1.00	2.13	2.20	2.30	2.03	2.20	2.30			0.10	4.55
Morocco	1.21	1.89	1.45	0.51	1.30	0.69	0.62	2.47	1.00			-1.47	-59.45
Algeria	0.76	1.03	1.03	1.27	1.90	2.00	0.97	1.95	2.05			0.10	5.13
Tunisia	0.39	0.31	0.40	1.02	0.99	1.63	0.40	0.31	0.65			0.34	109.68
South Africa	0.09	0.12	0.10	3.37	3.54	3.75	0.31	0.43	0.38			-0.05	-11.76
<b>South America</b>													
Argentina	0.94	1.20	1.00	4.00	3.75	4.00	3.74	4.50	4.00			-0.50	-11.11
Uruguay	0.15	0.17	0.18	2.52	3.82	3.71	0.39	0.64	0.65			0.01	1.88
Brazil	0.11	0.11	0.11	2.61	3.16	2.99	0.28	0.35	0.34			-0.02	-5.37
<b>India</b>	0.66	0.68	0.73	2.67	2.61	2.69	1.75	1.77	1.95			0.18	10.17
<b>China</b>	0.43	0.45	0.47	4.19	4.11	4.15	1.80	1.85	1.95			0.10	5.41
<b>Mexico</b>	0.36	0.35	0.36	2.81	2.82	2.81	1.01	1.00	1.01			0.01	1.41
<b>Afghanistan</b>	0.07	0.06	0.18	1.40	0.95	1.39	0.10	0.06	0.25			0.19	338.60
<b>Others</b>	1.77	1.82	1.81	2.26	2.21	2.32	4.00	4.03	4.20			0.17	4.12

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	9.73	9.66	10.02	2.43	2.28	2.43	23.62	22.01	24.35			2.34	10.62
<b>United States</b>	0.33	0.35	0.36	2.22	2.33	2.39	0.72	0.82	0.87			0.06	6.87
<b>Total Foreign</b>	9.41	9.31	9.65	2.43	2.28	2.43	22.90	21.19	23.47			2.28	10.77
<b>European Union</b>	2.67	2.70	2.67	3.03	2.83	3.11	8.09	7.64	8.30			0.66	8.58
<b>Former Soviet Union - 12</b>													
Russia	2.78	2.73	2.80	1.96	1.73	1.79	5.45	4.72	5.00			0.29	6.04
Ukraine	0.21	0.20	0.19	2.31	2.14	2.37	0.48	0.42	0.45			0.03	6.38
Belarus	0.15	0.16	0.15	3.33	2.88	3.00	0.50	0.46	0.45			-0.01	-2.17
Kazakhstan	0.21	0.24	0.23	1.34	1.43	1.47	0.29	0.34	0.33			-0.01	-1.79
<b>Canada</b>	1.05	1.00	1.08	3.55	3.45	3.63	3.73	3.45	3.90			0.45	13.04
<b>South America</b>													
Argentina	0.22	0.22	0.25	2.24	2.40	2.60	0.49	0.52	0.65			0.13	25.97
Brazil	0.34	0.38	0.38	1.86	2.11	2.17	0.63	0.80	0.82			0.02	2.52
Chile	0.11	0.09	0.10	5.31	5.09	5.50	0.57	0.47	0.55			0.08	16.28
Uruguay	0.03	0.03	0.03	1.52	2.04	1.85	0.04	0.05	0.05			-0.01	-9.43
<b>Oceania</b>													
Australia	0.74	0.63	0.82	1.51	1.40	1.66	1.12	0.89	1.35			0.46	52.03
New Zealand	0.01	0.01	0.01	5.83	5.00	5.50	0.04	0.03	0.03			0.01	32.00
<b>China</b>	0.48	0.50	0.53	1.16	1.15	1.19	0.55	0.58	0.63			0.05	8.70
<b>Africa</b>													
Algeria	0.09	0.09	0.09	1.29	1.29	1.29	0.11	0.11	0.11			0.00	0.00
Morocco	0.03	0.05	0.05	1.17	1.40	0.89	0.04	0.06	0.04			-0.02	-36.51
South Africa	0.02	0.02	0.03	1.53	1.65	1.60	0.02	0.03	0.04			0.01	21.21
<b>Other Europe</b>													
Norway	0.07	0.07	0.07	4.16	2.09	4.29	0.28	0.14	0.30			0.16	108.33
Serbia	0.03	0.03	0.03	2.17	2.17	2.17	0.07	0.07	0.07			0.00	0.00
Albania	0.02	0.01	0.01	2.27	2.08	2.14	0.03	0.03	0.03			0.00	11.11
Bosnia and Herzegovina	0.01	0.01	0.01	2.73	2.79	3.00	0.03	0.04	0.04			0.00	7.69
<b>Turkey</b>	0.11	0.10	0.10	2.21	2.30	2.30	0.25	0.23	0.23			0.00	0.00
<b>Mexico</b>	0.04	0.05	0.05	1.64	2.06	1.80	0.07	0.10	0.09			-0.01	-12.62
<b>Others</b>	0.01	0.01	0.01	1.79	1.79	1.86	0.03	0.03	0.03			0.00	4.00

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	4.02	3.74	3.81	3.06	2.73	3.10	12.30	10.21	11.83			1.62	15.87
<b>United States</b>	0.12	0.11	0.15	2.15	1.95	1.91	0.26	0.21	0.28			0.07	30.37
<b>Total Foreign</b>	3.90	3.63	3.67	3.09	2.75	3.15	12.04	9.99	11.55			1.56	15.56
<b>European Union</b>	1.93	1.93	1.95	3.83	3.25	3.90	7.40	6.26	7.60			1.34	21.48
<b>Former Soviet Union - 12</b>													
Russia	1.17	0.96	1.00	2.17	2.00	2.00	2.54	1.91	2.00			0.09	4.49
Belarus	0.26	0.25	0.20	2.62	2.60	3.25	0.67	0.65	0.65			0.00	0.00
Ukraine	0.17	0.15	0.11	2.97	2.66	2.73	0.51	0.40	0.30			-0.10	-24.24
Kazakhstan	0.03	0.02	0.03	1.26	1.05	1.20	0.04	0.02	0.03			0.01	30.43
<b>Turkey</b>	0.10	0.11	0.11	3.17	2.91	2.91	0.32	0.32	0.32			0.00	0.00
<b>Canada</b>	0.10	0.08	0.13	3.39	2.97	3.08	0.34	0.24	0.40			0.17	70.21
<b>South America</b>													
Chile	0.00	0.00	0.00	5.00	5.00	5.00	0.01	0.01	0.01			0.00	0.00
Argentina	0.05	0.05	0.05	1.91	2.08	2.10	0.09	0.10	0.11			0.01	5.00
<b>Other Europe</b>													
Bosnia and Herzegovina	0.00	0.00	0.00	3.67	2.75	3.50	0.01	0.01	0.01			0.00	27.27
Switzerland	0.00	0.00	0.00	5.50	5.50	5.50	0.01	0.01	0.01			0.00	0.00
Serbia	0.00	0.00	0.00	2.50	2.50	2.50	0.01	0.01	0.01			0.00	0.00
<b>Australia</b>	0.04	0.04	0.04	0.75	0.68	0.68	0.03	0.03	0.03			0.00	0.00
<b>Others</b>	0.04	0.03	0.04	1.84	0.94	1.87	0.07	0.03	0.07			0.04	136.67

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	40.32	41.31	41.14	1.46	1.45	1.43	58.77	59.83	58.72			-1.11	-1.85
<b>United States</b>	2.04	2.05	1.86	4.50	4.53	4.23	9.19	9.27	7.87			-1.40	-15.07
<b>Total Foreign</b>	38.28	39.27	39.27	1.29	1.29	1.29	49.57	50.56	50.85			0.29	0.58
<b>Africa</b>													
Nigeria	5.82	5.80	5.90	1.19	1.17	1.17	6.94	6.80	6.90			0.10	1.47
Ethiopia	1.84	1.84	1.85	2.62	2.72	2.70	4.82	5.00	5.00			0.00	0.00
Sudan	6.30	7.00	7.00	0.59	0.64	0.57	3.74	4.50	4.00			-0.50	-11.11
Burkina	1.67	1.80	1.80	0.82	1.07	1.00	1.37	1.93	1.80			-0.13	-6.74
Mali	1.39	1.50	1.50	1.03	0.98	0.87	1.42	1.47	1.30			-0.17	-11.56
Niger	3.82	3.70	3.70	0.51	0.57	0.49	1.95	2.10	1.80			-0.30	-14.29
Cameroon	0.85	0.85	0.85	1.59	1.65	1.65	1.35	1.40	1.40			0.00	0.00
Tanzania	0.78	0.80	0.80	1.02	1.00	1.00	0.80	0.80	0.80			0.00	0.00
Egypt	0.14	0.14	0.14	5.36	5.36	5.36	0.75	0.75	0.75			0.00	0.00
Uganda	0.42	0.35	0.35	0.75	0.97	0.97	0.32	0.34	0.34			0.00	0.00
Ghana	0.25	0.25	0.25	1.11	1.26	1.12	0.28	0.32	0.28			-0.04	-11.39
Mozambique	0.21	0.20	0.20	1.19	1.32	0.90	0.25	0.26	0.18			-0.08	-31.56
South Africa	0.03	0.05	0.05	3.97	3.40	2.60	0.12	0.17	0.13			-0.04	-23.53
<b>Mexico</b>	1.35	1.35	1.50	3.37	3.48	3.33	4.55	4.70	5.00			0.30	6.38
<b>South America</b>													
Argentina	0.70	0.70	0.63	4.29	4.00	4.48	3.00	2.80	2.80			0.00	0.00
Brazil	0.78	0.82	0.82	2.73	2.79	2.82	2.14	2.28	2.30			0.02	0.97
<b>South Asia</b>													
India	4.83	5.20	5.00	1.03	0.72	0.90	4.95	3.75	4.50			0.75	20.00
Pakistan	0.26	0.24	0.24	0.60	0.59	0.58	0.15	0.14	0.14			0.00	0.00
<b>China</b>	0.68	0.72	0.75	4.74	4.79	4.80	3.20	3.45	3.60			0.15	4.35
<b>Australia</b>	0.53	0.54	0.60	2.71	2.41	2.83	1.44	1.30	1.70			0.40	30.77
<b>European Union</b>	0.12	0.13	0.13	5.42	5.68	5.58	0.67	0.73	0.73			-0.01	-1.09
<b>Others</b>	5.52	5.29	5.22	0.98	1.05	1.03	5.39	5.57	5.40			-0.16	-2.95

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	162.97	163.62	163.21	4.53	4.56	4.56	495.03	499.89	498.42			-1.47	-0.29
<b>United States</b>	0.96	1.18	1.15	8.41	8.62	8.63	5.66	7.12	6.93			-0.19	-2.68
<b>Total Foreign</b>	162.00	162.44	162.07	4.51	4.53	4.53	489.37	492.77	491.50			-1.28	-0.26
<b>East Asia</b>													
China	30.75	30.19	30.00	6.92	7.03	6.95	148.87	148.49	146.00			-2.49	-1.68
Japan	1.56	1.55	1.55	6.87	6.78	6.82	7.79	7.65	7.70			0.05	0.65
Korea, South	0.76	0.74	0.73	7.01	6.99	7.07	3.97	3.87	3.88			0.01	0.31
Korea, North	0.48	0.50	0.50	5.09	4.92	4.92	1.57	1.60	1.60			0.00	0.00
<b>South Asia</b>													
India	43.79	44.50	44.00	3.87	3.91	3.92	112.91	116.00	115.00			-1.00	-0.86
Bangladesh	11.27	11.77	11.83	4.35	4.46	4.48	32.65	35.00	35.30			0.30	0.86
Pakistan	2.80	2.88	2.90	4.02	3.85	3.88	7.50	7.40	7.50			0.10	1.35
Nepal	1.49	1.50	1.50	3.34	3.53	3.53	3.31	3.53	3.53			0.00	0.00
Sri Lanka	0.77	1.10	1.00	4.30	3.96	4.25	2.25	2.96	2.89			-0.07	-2.36
<b>Southeast Asia</b>													
Indonesia	12.25	12.20	12.25	4.76	4.79	4.81	37.00	37.10	37.40			0.30	0.81
Vietnam	7.65	7.55	7.50	5.79	5.87	5.97	27.66	27.71	28.00			0.29	1.04
Thailand	10.76	10.96	11.07	2.90	2.86	2.89	20.58	20.72	21.10			0.39	1.86
Burma	7.10	7.05	7.10	2.90	2.90	2.93	13.20	13.10	13.30			0.20	1.53
Philippines	4.84	4.81	4.85	4.01	3.96	3.99	12.24	12.00	12.20			0.20	1.67
Cambodia	3.18	3.19	3.19	2.86	2.89	2.92	5.55	5.63	5.69			0.06	0.98
Laos	0.96	0.82	0.99	3.30	3.25	3.30	2.00	1.68	2.05			0.37	22.02
Malaysia	0.70	0.70	0.70	4.03	4.01	4.01	1.82	1.83	1.83			0.00	0.00
<b>South America</b>													
Brazil	1.97	1.75	1.73	6.12	6.29	6.24	8.20	7.48	7.34			-0.14	-1.82
Peru	0.42	0.44	0.44	7.27	7.16	7.33	2.12	2.15	2.20			0.05	2.33
<b>Africa</b>													
Egypt	0.76	0.46	0.46	8.18	8.78	9.41	4.30	2.80	3.00			0.20	7.14
Madagascar	1.43	1.50	1.50	2.18	2.87	2.60	1.98	2.75	2.50			-0.26	-9.30
Nigeria	3.60	3.60	3.60	2.06	2.11	2.16	4.66	4.79	4.90			0.11	2.34
<b>European Union</b>	0.43	0.42	0.42	6.71	6.74	6.87	2.01	1.94	2.01			0.07	3.71
<b>Iran</b>	0.57	0.58	0.58	5.33	5.25	5.25	2.01	1.99	1.99			0.00	0.00
<b>Others</b>	11.73	11.70	11.68	3.01	2.94	2.95	23.21	22.60	22.59			-0.02	-0.08

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World Total</b>	--	--	--	--	--	--	580.49	600.97	598.03			-2.95	-0.49
<b>Total Foreign</b>	--	--	--	--	--	--	449.01	467.12	473.78			6.66	1.43
<b>Oilseed, Copra</b>	--	--	--	--	--	--	5.94	5.98	5.81			-0.17	-2.84
<b>Oilseed, Palm Kernel</b>	--	--	--	--	--	--	18.76	19.50	20.05			0.56	2.86
<b>Major Oilseeds</b>	246.73	248.33	249.67	2.25	2.32	2.29	555.80	575.50	572.17			-3.33	-0.58
<b>United States</b>	42.80	41.63	40.82	3.07	3.22	3.04	131.48	133.85	124.25			-9.61	-7.18
<b>Foreign Oilseeds</b>	203.93	206.71	208.85	2.08	2.14	2.14	424.31	441.64	447.92			6.27	1.42
<b>South America</b>	61.57	63.62	65.18	2.97	3.10	3.09	183.13	197.45	201.72			4.27	2.16
Brazil	36.56	37.91	38.69	3.44	3.21	3.30	125.67	121.73	127.60			5.87	4.82
Argentina	18.70	19.61	20.07	2.27	3.13	2.91	42.52	61.30	58.34			-2.96	-4.83
Paraguay	3.47	3.38	3.67	2.99	2.70	2.81	10.39	9.12	10.31			1.19	13.08
Bolivia	1.53	1.52	1.58	1.77	1.83	1.90	2.71	2.78	3.00			0.22	7.91
Uruguay	1.15	1.05	1.01	1.23	1.98	1.98	1.41	2.07	2.00			-0.07	-3.29
<b>China</b>	24.16	24.18	25.00	2.46	2.48	2.47	59.49	59.88	61.73			1.85	3.09
<b>South Asia</b>	38.27	38.71	39.83	1.02	1.02	1.03	39.02	39.52	41.01			1.49	3.77
India	34.81	35.50	36.50	1.00	0.99	1.00	34.64	35.31	36.64			1.33	3.77
Pakistan	3.11	2.85	2.98	1.27	1.33	1.33	3.96	3.80	3.96			0.16	4.16
<b>European Union</b>	12.43	12.41	11.33	2.85	2.66	2.89	35.37	32.99	32.74			-0.25	-0.75
<b>Former Soviet Union - 12</b>	24.37	25.48	25.37	1.66	1.80	1.83	40.45	45.75	46.53			0.78	1.70
Russia	10.66	12.18	12.20	1.45	1.54	1.55	15.48	18.73	18.85			0.12	0.66
Ukraine	9.57	9.23	9.30	2.07	2.42	2.47	19.81	22.31	23.00			0.69	3.09
Uzbekistan	1.25	1.10	1.01	1.21	1.18	1.19	1.51	1.29	1.20			-0.09	-7.19
<b>Canada</b>	12.23	11.68	11.03	2.38	2.44	2.49	29.10	28.46	27.46			-1.00	-3.51
<b>Africa</b>	21.35	22.15	21.76	0.99	1.03	0.95	21.23	22.84	20.77			-2.07	-9.08
Nigeria	4.09	4.09	4.07	1.31	1.36	1.16	5.34	5.58	4.70			-0.88	-15.70
South Africa	1.48	1.31	1.51	1.73	1.50	1.57	2.55	1.96	2.37			0.41	20.80
Tanzania	1.35	1.50	1.50	0.89	0.86	0.85	1.20	1.29	1.28			-0.01	-0.86
<b>Southeast Asia</b>	3.22	3.19	3.15	1.40	1.39	1.39	4.52	4.43	4.39			-0.05	-1.08
Indonesia	1.00	0.98	0.95	1.61	1.57	1.58	1.62	1.55	1.50			-0.05	-2.91
Burma	1.88	1.88	1.88	1.19	1.18	1.18	2.24	2.22	2.21			-0.01	-0.27
<b>Australia</b>	3.30	2.26	3.06	1.58	1.34	1.46	5.22	3.03	4.45			1.41	46.62
<b>Turkey</b>	1.25	1.33	1.36	2.53	2.63	2.40	3.17	3.49	3.26			-0.22	-6.42
<b>Others</b>	1.77	1.73	1.78	2.04	2.20	2.17	3.62	3.80	3.87			0.06	1.68

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	124.60	125.69	126.75	2.74	2.88	2.81	341.54	362.08	355.66			-6.41	-1.77
<b>United States</b>	36.24	35.66	33.92	3.31	3.47	3.33	120.07	123.66	112.95			-10.72	-8.67
<b>Total Foreign</b>	88.37	90.03	92.83	2.51	2.65	2.61	221.48	238.41	242.72			4.31	1.81
<b>South America</b>													
Brazil	35.15	36.10	36.90	3.47	3.24	3.33	122.00	117.00	123.00			6.00	5.13
Argentina	16.30	17.10	17.50	2.32	3.27	3.03	37.80	56.00	53.00			-3.00	-5.36
Paraguay	3.40	3.30	3.60	3.03	2.73	2.83	10.30	9.00	10.20			1.20	13.33
Bolivia	1.40	1.40	1.45	1.86	1.93	2.00	2.60	2.70	2.90			0.20	7.41
Uruguay	1.10	0.99	0.95	1.21	2.00	2.00	1.33	1.98	1.90			-0.08	-3.94
<b>East Asia</b>													
China	8.25	8.40	9.10	1.84	1.89	1.87	15.20	15.90	17.00			1.10	6.92
Korea, South	0.05	0.05	0.05	1.87	1.75	1.80	0.09	0.09	0.09			0.00	3.37
Korea, North	0.15	0.15	0.15	1.49	1.50	1.50	0.22	0.23	0.23			0.00	0.00
Japan	0.15	0.15	0.15	1.66	1.45	1.69	0.25	0.21	0.25			0.04	18.78
<b>India</b>	10.40	11.00	11.60	0.80	1.05	0.94	8.35	11.50	10.90			-0.60	-5.22
<b>Canada</b>	2.94	2.55	2.20	2.63	2.86	2.86	7.72	7.30	6.30			-1.00	-13.70
<b>Former Soviet Union - 12</b>													
Russia	2.57	2.74	2.90	1.41	1.47	1.48	3.62	4.03	4.30			0.27	6.78
Ukraine	1.98	1.73	1.80	1.97	2.58	2.39	3.89	4.46	4.30			-0.16	-3.61
<b>European Union</b>	0.93	0.93	0.95	2.74	2.88	2.92	2.54	2.68	2.78			0.09	3.51
<b>Southeast Asia</b>													
Indonesia	0.42	0.41	0.40	1.29	1.27	1.28	0.54	0.52	0.51			-0.01	-1.92
Vietnam	0.06	0.05	0.05	1.50	1.53	1.52	0.09	0.08	0.08			-0.01	-6.17
Thailand	0.04	0.04	0.03	1.57	1.57	1.53	0.06	0.06	0.05			0.00	-5.45
Burma	0.15	0.15	0.15	1.07	1.07	1.07	0.16	0.16	0.16			0.00	0.00
<b>Serbia</b>	0.20	0.22	0.22	2.30	2.84	2.73	0.46	0.63	0.60			-0.03	-4.00
<b>Mexico</b>	0.26	0.19	0.24	1.65	1.75	1.69	0.43	0.34	0.40			0.07	19.40
<b>Africa</b>													
South Africa	0.79	0.73	0.80	1.96	1.75	1.81	1.54	1.28	1.45			0.18	13.73
Nigeria	1.00	1.00	1.00	0.99	1.05	1.10	0.99	1.05	1.10			0.05	4.36
Zambia	0.23	0.19	0.18	1.56	1.58	1.71	0.35	0.30	0.30			0.00	-0.99
Uganda	0.05	0.05	0.05	0.60	0.60	0.60	0.03	0.03	0.03			0.00	0.00
<b>Middle East</b>													
Iran	0.08	0.07	0.07	2.41	2.29	2.43	0.20	0.16	0.17			0.01	6.25
Turkey	0.02	0.03	0.03	3.75	3.80	3.70	0.09	0.10	0.10			0.01	5.26
<b>Others</b>	0.32	0.32	0.32	1.95	1.99	1.97	0.63	0.64	0.62			-0.02	-3.11

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	32.95	32.58	33.87	1.37	1.33	1.35	45.15	43.34	45.83			2.49	5.74
<b>United States</b>	4.49	4.13	5.07	1.30	1.24	1.24	5.83	5.11	6.29			1.18	23.08
<b>Total Foreign</b>	28.46	28.45	28.79	1.38	1.34	1.37	39.33	38.23	39.54			1.31	3.43
<b>South Asia</b>													
India	12.45	12.25	12.35	0.99	0.88	0.98	12.31	10.83	12.10			1.27	11.77
Pakistan	2.70	2.40	2.50	1.32	1.39	1.39	3.55	3.34	3.48			0.15	4.38
<b>China</b>	3.40	3.50	3.45	3.18	3.11	3.15	10.80	10.88	10.88			0.00	0.00
<b>Former Soviet Union - 12</b>													
Uzbekistan	1.25	1.10	1.01	1.21	1.18	1.19	1.51	1.29	1.20			-0.09	-7.19
Turkmenistan	0.55	0.55	0.55	0.96	0.65	0.78	0.53	0.36	0.43			0.07	19.38
Tajikistan	0.19	0.18	0.18	0.97	0.98	0.98	0.18	0.18	0.18			0.00	0.00
Kazakhstan	0.13	0.13	0.13	0.94	1.01	0.94	0.12	0.13	0.12			-0.01	-6.98
<b>South America</b>													
Brazil	1.18	1.60	1.55	2.57	2.63	2.53	3.02	4.19	3.93			-0.26	-6.25
Argentina	0.32	0.42	0.42	0.87	0.96	1.04	0.28	0.40	0.44			0.03	8.46
<b>Middle East</b>													
Turkey	0.47	0.52	0.54	2.77	2.60	2.55	1.30	1.35	1.38			0.03	1.85
Syria	0.03	0.03	0.03	2.17	2.36	2.40	0.07	0.06	0.06			0.00	1.69
Iran	0.09	0.08	0.08	0.96	1.16	1.16	0.08	0.09	0.09			0.00	0.00
<b>Australia</b>	0.53	0.30	0.30	2.72	2.50	2.20	1.44	0.75	0.66			-0.09	-11.98
<b>European Union</b>	0.30	0.31	0.33	1.65	1.76	1.74	0.49	0.55	0.57			0.02	3.45
<b>Africa</b>													
Burkina	0.85	0.64	0.73	0.39	0.40	0.46	0.33	0.25	0.33			0.08	30.71
Mali	0.71	0.72	0.74	0.56	0.49	0.54	0.40	0.36	0.40			0.05	13.20
Cameroon	0.23	0.25	0.25	1.11	1.20	1.13	0.25	0.30	0.28			-0.02	-6.00
Cote d'Ivoire	0.33	0.39	0.41	0.66	0.60	0.54	0.22	0.23	0.22			-0.01	-5.13
Benin	0.53	0.65	0.68	0.71	0.71	0.71	0.38	0.46	0.48			0.02	3.46
Tanzania	0.35	0.50	0.50	0.29	0.37	0.35	0.10	0.19	0.18			-0.01	-5.91
Egypt	0.09	0.14	0.10	1.00	1.08	1.06	0.09	0.15	0.11			-0.05	-30.26
Nigeria	0.27	0.27	0.27	0.38	0.38	0.38	0.10	0.10	0.10			0.00	0.00
Uganda	0.08	0.08	0.08	1.91	1.40	1.45	0.15	0.11	0.11			0.00	3.81
Zimbabwe	0.20	0.20	0.20	0.52	0.38	0.36	0.10	0.08	0.07			0.00	-5.26
Sudan	0.18	0.18	0.20	1.35	1.42	1.54	0.24	0.26	0.31			0.05	20.78
<b>Mexico</b>	0.21	0.24	0.24	2.52	2.41	2.48	0.53	0.57	0.59			0.02	3.48
<b>Burma</b>	0.25	0.24	0.24	1.24	1.23	1.20	0.31	0.30	0.29			-0.01	-2.03
<b>Others</b>	0.63	0.60	0.76	0.72	0.82	0.74	0.45	0.49	0.57			0.08	15.27

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	27.07	27.30	26.86	1.72	1.68	1.67	46.58	45.76	44.92			-0.84	-1.83
<b>United States</b>	0.72	0.55	0.56	4.49	4.47	4.54	3.23	2.48	2.56			0.08	3.19
<b>Total Foreign</b>	26.35	26.74	26.30	1.64	1.62	1.61	43.35	43.29	42.37			-0.92	-2.12
<b>China</b>	4.61	4.56	4.60	3.71	3.73	3.80	17.09	17.00	17.50			0.50	2.94
<b>Africa</b>													
Nigeria	2.82	2.82	2.80	1.51	1.57	1.25	4.25	4.42	3.50			-0.92	-20.85
Sudan	2.22	3.07	2.30	0.74	0.94	0.78	1.65	2.88	1.80			-1.08	-37.59
Senegal	1.25	1.25	1.20	1.13	1.16	0.92	1.41	1.45	1.10			-0.35	-24.14
Cameroon	0.43	0.43	0.43	1.40	1.40	1.40	0.60	0.60	0.60			0.00	0.00
Ghana	0.34	0.34	0.34	1.28	1.55	1.31	0.43	0.52	0.44			-0.08	-15.38
Chad	0.77	0.77	0.77	1.13	1.16	1.10	0.87	0.89	0.85			-0.04	-4.49
Malawi	0.39	0.37	0.37	0.99	0.88	0.88	0.39	0.33	0.33			0.00	0.00
Congo (Kinshasa)	0.50	0.50	0.50	0.85	0.85	0.85	0.42	0.42	0.42			0.00	0.00
Niger	0.92	0.93	0.90	0.50	0.64	0.56	0.46	0.59	0.50			-0.09	-15.54
Mali	0.39	0.38	0.43	0.78	1.31	1.00	0.30	0.49	0.43			-0.07	-13.44
Uganda	0.43	0.43	0.43	0.71	0.71	0.71	0.30	0.30	0.30			0.00	0.00
Burkina	0.56	0.56	0.56	0.60	0.59	0.80	0.33	0.33	0.45			0.12	36.36
Guinea	0.67	0.68	0.68	1.04	1.13	1.10	0.70	0.77	0.75			-0.02	-2.60
Egypt	0.06	0.06	0.06	3.20	3.20	3.20	0.21	0.21	0.21			0.00	0.00
Central African Republic	0.10	0.10	0.10	1.50	1.50	1.50	0.15	0.15	0.15			0.00	0.00
South Africa	0.06	0.02	0.05	1.36	1.35	1.50	0.08	0.03	0.08			0.05	177.78
Mozambique	0.40	0.38	0.38	0.23	0.34	0.34	0.09	0.13	0.13			0.00	0.00
Cote d'Ivoire	0.15	0.15	0.15	1.39	1.45	1.45	0.20	0.21	0.21			0.00	0.00
Benin	0.16	0.19	0.19	0.88	1.19	0.92	0.14	0.23	0.18			-0.05	-22.57
<b>South Asia</b>													
India	4.93	4.70	5.00	1.35	1.00	1.15	6.65	4.70	5.75			1.05	22.34
Pakistan	0.09	0.10	0.09	0.97	0.95	0.98	0.09	0.09	0.09			0.00	1.11
<b>Southeast Asia</b>													
Indonesia	0.58	0.57	0.55	1.85	1.80	1.80	1.08	1.03	0.99			-0.04	-3.41
Burma	0.89	0.89	0.89	1.55	1.55	1.55	1.38	1.38	1.38			0.00	0.00
Vietnam	0.19	0.19	0.19	2.37	2.41	2.47	0.45	0.46	0.47			0.01	2.40
Thailand	0.02	0.02	0.02	1.67	1.67	1.67	0.04	0.04	0.04			0.00	0.00
<b>South America</b>													
Argentina	0.38	0.28	0.33	2.27	3.58	3.30	0.87	1.01	1.07			0.06	6.03
Brazil	0.14	0.15	0.16	3.70	2.97	3.55	0.51	0.43	0.55			0.12	27.61
<b>Mexico</b>	0.06	0.06	0.06	1.70	1.70	1.73	0.10	0.10	0.10			0.01	5.15
<b>Others</b>	1.88	1.83	1.80	1.13	1.15	1.12	2.13	2.12	2.02			-0.09	-4.40

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

Country / Region	Area (Million hectares)			Yield (Metric tons per hectare)			Production (Million metric tons)			Change in Production			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	26.05	26.23	26.12	1.84	1.96	1.95	47.84	51.52	50.95			-0.57	-1.10
<b>United States</b>	0.54	0.50	0.52	1.80	1.94	1.87	0.97	0.96	0.98			0.02	1.67
<b>Total Foreign</b>	25.51	25.74	25.60	1.84	1.96	1.95	46.87	50.56	49.98			-0.58	-1.16
<b>Former Soviet Union - 12</b>													
Russia	7.15	7.94	7.85	1.45	1.60	1.59	10.36	12.71	12.50			-0.21	-1.65
Ukraine	6.80	6.50	6.20	2.01	2.31	2.39	13.70	15.00	14.80			-0.20	-1.33
Kazakhstan	0.88	0.85	0.85	1.02	1.00	1.06	0.90	0.85	0.90			0.05	6.13
<b>European Union</b>	4.39	4.10	4.25	2.32	2.37	2.28	10.17	9.70	9.70			0.00	0.00
<b>South America</b>													
Argentina	1.68	1.79	1.80	2.11	2.15	2.10	3.54	3.85	3.78			-0.07	-1.82
Uruguay	0.05	0.06	0.06	1.56	1.61	1.67	0.08	0.09	0.10			0.01	11.11
Bolivia	0.13	0.12	0.13	0.80	0.70	0.77	0.11	0.08	0.10			0.02	25.00
Brazil	0.10	0.07	0.08	1.48	1.70	1.50	0.14	0.11	0.12			0.01	7.14
Paraguay	0.03	0.03	0.03	1.66	1.69	1.70	0.05	0.05	0.05			0.00	-5.56
<b>China</b>	1.25	1.25	1.25	2.50	2.60	2.60	3.12	3.25	3.25			0.00	0.00
<b>South Asia</b>													
India	0.33	0.35	0.25	0.70	0.80	0.75	0.23	0.28	0.19			-0.09	-32.86
Pakistan	0.08	0.12	0.14	1.13	1.20	1.04	0.09	0.14	0.15			0.00	0.69
<b>Middle East</b>													
Turkey	0.70	0.72	0.73	2.21	2.52	2.12	1.55	1.80	1.55			-0.25	-13.89
Iran	0.04	0.04	0.04	1.08	1.08	1.08	0.04	0.04	0.04			0.00	0.00
Israel	0.01	0.01	0.01	1.60	1.60	1.60	0.02	0.02	0.02			0.00	0.00
<b>Africa</b>													
Egypt	0.01	0.01	0.01	2.38	2.38	2.38	0.02	0.02	0.02			0.00	0.00
Morocco	0.02	0.02	0.02	1.26	1.29	1.25	0.02	0.03	0.03			0.00	-7.41
South Africa	0.60	0.52	0.61	1.43	1.10	1.23	0.86	0.56	0.75			0.19	32.98
<b>Burma</b>	0.60	0.60	0.60	0.65	0.65	0.65	0.39	0.39	0.39			0.00	0.00
<b>Canada</b>	0.03	0.03	0.03	2.23	2.11	2.07	0.06	0.06	0.06			0.00	1.75
<b>Australia</b>	0.02	0.02	0.02	1.82	1.21	1.25	0.03	0.02	0.03			0.00	8.70
<b>Others</b>	0.63	0.61	0.64	2.21	2.47	2.28	1.38	1.50	1.47			-0.04	-2.46

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MMT	Percent	MMT	Percent
<b>World</b>	36.06	36.54	36.07	2.07	1.99	2.07	74.69	72.80	74.80			2.00	2.75
<b>United States</b>	0.81	0.79	0.75	1.71	2.08	1.99	1.39	1.64	1.48			-0.16	-9.79
<b>Total Foreign</b>	35.24	35.75	35.32	2.08	1.99	2.08	73.29	71.16	73.32			2.16	3.04
<b>European Union</b>	6.82	7.06	5.80	3.25	2.84	3.40	22.17	20.06	19.70			-0.36	-1.80
<b>Canada</b>	9.27	9.10	8.80	2.30	2.32	2.40	21.33	21.10	21.10			0.00	0.00
<b>China</b>	6.65	6.47	6.60	2.00	1.99	1.98	13.27	12.85	13.10			0.25	1.95
<b>South Asia</b>													
India	6.70	7.20	7.30	1.06	1.11	1.05	7.10	8.00	7.70			-0.30	-3.75
Pakistan	0.24	0.23	0.24	0.96	0.98	0.98	0.23	0.23	0.24			0.01	4.44
Bangladesh	0.25	0.25	0.25	0.92	0.92	0.92	0.23	0.23	0.23			0.00	0.00
<b>Former Soviet Union - 12</b>													
Russia	0.95	1.50	1.45	1.58	1.33	1.41	1.50	1.99	2.05			0.06	3.07
Ukraine	0.79	1.00	1.30	2.80	2.85	3.00	2.22	2.85	3.90			1.05	36.84
Belarus	0.33	0.35	0.30	1.81	1.31	1.63	0.60	0.46	0.49			0.03	7.46
Kazakhstan	0.25	0.37	0.28	1.11	1.08	1.14	0.28	0.39	0.32			-0.07	-18.78
<b>Australia</b>	2.70	1.90	2.70	1.36	1.16	1.37	3.67	2.20	3.70			1.50	68.18
<b>South America</b>													
Chile	0.06	0.06	0.06	3.89	4.20	4.25	0.22	0.25	0.26			0.01	2.82
Paraguay	0.03	0.04	0.03	1.00	1.50	1.87	0.03	0.06	0.06			0.00	-6.67
<b>Switzerland</b>	0.02	0.02	0.02	3.14	3.14	3.14	0.07	0.07	0.07			0.00	0.00
<b>Ethiopia</b>	0.03	0.04	0.04	1.82	1.57	1.86	0.05	0.06	0.07			0.01	18.18
<b>Others</b>	0.15	0.17	0.16	2.17	2.14	2.22	0.33	0.37	0.35			-0.02	-6.20

World and Selected Countries and Regions

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

Country / Region	Production (Million metric tons)			Change in Production			
	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May	MMT	Percent	MMT	Percent
<b>Oilseed, Copra</b>							
Philippines	2.60	2.63	2.50			-0.13	-4.94
Indonesia	1.65	1.64	1.60			-0.04	-2.44
India	0.75	0.75	0.75			0.00	0.00
Vietnam	0.28	0.29	0.29			0.00	0.00
Mexico	0.21	0.22	0.22			0.00	0.00
Papua New Guinea	0.10	0.10	0.10			0.00	0.00
Thailand	0.07	0.07	0.07			0.00	0.00
Sri Lanka	0.07	0.07	0.07			0.00	0.00
Solomon Islands	0.03	0.03	0.03			0.00	0.00
Cote d'Ivoire	0.03	0.03	0.03			0.00	0.00
World	5.94	5.98	5.81			-0.17	-2.84
<b>Oilseed, Palm Kernel</b>							
Indonesia	10.50	10.90	11.30			0.40	3.67
Malaysia	4.92	5.20	5.30			0.10	1.92
Thailand	0.82	0.87	0.89			0.02	2.30
Nigeria	0.73	0.73	0.73			0.00	0.00
Colombia	0.33	0.33	0.36			0.03	9.09
Guatemala	0.17	0.17	0.17			0.00	0.00
Papua New Guinea	0.17	0.17	0.17			0.00	0.00
Honduras	0.14	0.14	0.14			0.00	0.00
Brazil	0.13	0.14	0.14			0.00	0.00
Cote d'Ivoire	0.12	0.12	0.12			0.00	0.00
World	18.76	19.50	20.05			0.55	2.82
<b>Oil, Palm</b>							
Indonesia	39.50	41.50	43.00			1.50	3.61
Malaysia	19.68	20.50	20.70			0.20	0.98
Thailand	2.78	2.90	3.00			0.10	3.45
Colombia	1.63	1.63	1.68			0.06	3.70
Nigeria	1.03	1.02	1.02			0.00	0.00
Guatemala	0.85	0.85	0.85			0.00	0.00
Papua New Guinea	0.63	0.63	0.63			0.00	0.00
Ecuador	0.57	0.58	0.63			0.05	8.62
Honduras	0.58	0.58	0.58			0.00	0.00
Brazil	0.50	0.53	0.54			0.02	3.85
World	70.61	73.58	75.51			1.93	2.62

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			
	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	2017/18	Prel.	2019/20 Proj.	From last month		From last year	
		2018/19	May		2018/19	May		2018/19	May	MBales	Percent	MBales	Percent
<b>World</b>	33.58	33.22	34.54	803	776	791	123.78	118.43	125.45			7.02	5.93
<b>United States</b>	4.49	4.13	5.08	1,014	968	944	20.92	18.37	22.00			3.63	19.78
<b>Total Foreign</b>	29.09	29.09	29.46	770	749	765	102.86	100.07	103.45			3.39	3.38
<b>South Asia</b>													
India	12.45	12.25	12.35	507	453	502	29.00	25.50	28.50			3.00	11.76
Pakistan	2.70	2.40	2.50	661	699	697	8.20	7.70	8.00			0.30	3.90
<b>China</b>	3.40	3.50	3.45	1,761	1,726	1,751	27.50	27.75	27.75			0.00	0.00
<b>South America</b>													
Brazil	1.18	1.60	1.55	1,708	1,747	1,686	9.22	12.80	12.00			-0.80	-6.25
Argentina	0.32	0.42	0.42	558	596	612	0.82	1.15	1.18			0.03	2.61
Paraguay	0.01	0.01	0.01	416	416	416	0.02	0.02	0.02			0.00	0.00
<b>Africa</b>													
Burkina	0.85	0.64	0.73	307	313	360	1.20	0.92	1.20			0.28	30.43
Mali	0.71	0.72	0.74	432	381	419	1.40	1.26	1.43			0.17	13.10
Cote d'Ivoire	0.33	0.39	0.41	536	486	441	0.81	0.88	0.83			-0.05	-5.14
Benin	0.53	0.65	0.68	468	469	468	1.14	1.40	1.45			0.05	3.57
Egypt	0.09	0.14	0.10	718	772	762	0.30	0.50	0.35			-0.15	-30.00
Cameroon	0.23	0.25	0.25	484	523	492	0.50	0.60	0.57			-0.04	-5.83
Tanzania	0.35	0.50	0.50	143	185	174	0.23	0.43	0.40			-0.03	-5.88
Nigeria	0.27	0.27	0.27	190	190	190	0.24	0.24	0.24			0.00	0.00
Zimbabwe	0.20	0.20	0.20	294	218	207	0.27	0.20	0.19			-0.01	-5.00
Ethiopia	0.06	0.07	0.08	635	586	544	0.18	0.18	0.20			0.03	14.29
<b>Former Soviet Union - 12</b>													
Uzbekistan	1.25	1.10	1.01	672	653	674	3.86	3.30	3.13			-0.18	-5.30
Turkmenistan	0.55	0.55	0.55	535	364	459	1.34	0.91	1.15			0.24	26.37
Tajikistan	0.19	0.18	0.18	671	544	544	0.57	0.45	0.45			0.00	0.00
Kazakhstan	0.13	0.13	0.13	523	561	587	0.30	0.33	0.35			0.02	4.55
<b>Middle East</b>													
Turkey	0.47	0.52	0.54	1,853	1,549	1,653	4.00	3.70	4.10			0.40	10.81
Syria	0.03	0.03	0.03	1,161	1,219	1,219	0.16	0.14	0.14			0.00	0.00
Iran	0.09	0.08	0.08	640	748	748	0.25	0.28	0.28			0.00	0.00
<b>Australia</b>	0.53	0.30	0.30	1,972	1,814	1,597	4.80	2.50	2.20			-0.30	-12.00
<b>Mexico</b>	0.21	0.24	0.24	1,617	1,546	1,588	1.56	1.69	1.75			0.06	3.55
<b>Burma</b>	0.25	0.24	0.24	634	635	635	0.73	0.70	0.70			0.00	0.00
<b>Others</b>	1.74	1.73	1.94	535	576	552	4.28	4.56	4.92			0.36	7.94

World and Selected Countries and Regions

**TABLE 18**

The table below presents a record of the May 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 3.1 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 5.3 percent. The average difference between the May projection and the final estimate is 16.6 million tons, ranging from 1.7 million to 35 million tons. The May projection has been below the estimate 23 times and above 15 times.

**RELIABILITY OF PRODUCTION PROJECTIONS 1/**

COMMODITY AND REGION	Root mean square error	90 percent confidence interval	Difference between forecast and final estimate				
			Average	Smallest	Largest	Years	
						Below final	Above final
	Percent		---Million metric tons---				
<b>WHEAT</b>							
World	3.1	5.3	16.6	1.7	35.0	23	15
U.S.	6.7	11.4	3.0	0.0	9.8	20	18
Foreign	3.3	5.6	15.3	1.6	32.9	22	16
<b>COARSE GRAINS 2/</b>							
World	3.7	6.3	26.7	1.1	103.6	19	19
U.S.	14.1	23.8	20.6	0.9	103.8	21	17
Foreign	2.8	4.7	14.8	0.2	42.8	17	21
<b>RICE (Milled)</b>							
World	2.4	4.1	7.1	0.0	21.8	23	15
U.S.	7.5	12.8	0.4	0.0	1.0	21	17
Foreign	2.5	4.2	7.1	0.4	22.0	23	15
<b>SOYBEANS</b>							
World	NA	NA	10.9	1.5	23.1	6	4
U.S.	8.8	15.0	4.6	0.0	13.8	20	18
Foreign	NA	NA	7.3	0.7	16.9	7	3
<b>COTTON</b>			---Million 480-lb. bales---				
World	6.3	10.7	4.4	0.1	16.7	23	15
U.S.	11.1	18.9	1.6	0.1	5.5	19	19
Foreign	6.4	10.8	3.5	0.1	12.2	21	17
<b>UNITED STATES</b>			-----Million bushels-----				
<b>CORN</b>	14.9	25.3	730	8	4,010	17	21
<b>SORGHUM</b>	20.3	34.4	87	0	228	18	19
<b>BARLEY</b>	14.3	24.2	27	1	206	15	23
<b>OATS</b>	25.7	43.5	31	1	231	9	29

1/ Marketing years 1981/82 through 2018/19. Final for grains, soybeans and cotton is defined as the first *November* estimates following the marketing year for 1981/82 through 2017/18, and for 2018/19 last month's estimate.

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

May 2019

Office of Global Analysis, FAS, USDA