# U.S. & World Corn, Sorghum, Ethanol & DDGS Market Outlook

Information for the U.S. Grains Council

June 7, 2021



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# **Corn Markets**



KANSAS STATE UNIVERSITY Department of Agricultural Ec





# International



**Mexico** – Rain continued in eastern farming areas

 <u>Scattered showers</u> benefited summer crops in eastern production areas, but farmers <u>awaited rain</u> for planting in western summer corn areas.

**Canada** – Cool, showery weather overspread the Plains

<u>Warmer weather was needed</u> for developing spring grains & oilseeds.

Middle East - Rain In The North, Dryness & Heat Elsewhere

- <u>Showers</u> aided vegetative summer crops across northern parts of Turkey & Iran
- o *Dry, hot weather* further lowered yield prospects for filling
- wheat & barley in **central Turkey**.



## International



#### Western FSU – More Rain ⇒ West; Heat & Dryness ⇒ East

- Additional rain in **Ukraine** & western Russia benefited reproductive to filling winter wheat, barley, and rapeseed, though there were enough days suitable for fieldwork for late summer crop planting.
- *Hot, dry weather* in **Russia's eastern Volga District** promoted fieldwork but rapidly reduced soil moisture for spring grain establishment.

#### Eastern FSU - Drought & Excessive Heat

- Extreme drought & excessive heat in northern Kazakhstan & central Russia continued to rapidly lower prospects for spring grain establishment.
- Additional much-needed rain in eastern-most spring grain areas eased heat and drought locally.
- *Extreme heat & dryness* in **Uzbekistan & environs** heightened irrigation demands for vegetative cotton; water supplies were already limited
- by the region's cool-season drought.





















U.S. Corn Supply-Demand with DDGS Adjustments as of the May 12, 2021 USDA World Agricultural Supply and Demand Estimates (WASDE) report













#### POLL-Trade estimates for USDA June U.S. grain end-stocks

	2020/21			2	2021/22	
	Wheat	Soy	Wheat	Corn	Soy	
Average trade estimate	0.869	1.207	0.122	0.783	1.423	0.146
Highest trade estimate	0.901	1.257	0.150	0.899	1.507	0.206
Lowest trade estimate	0.832	1.132	0.110	0.702	1.282	0.127
USDA May	0.872	1.257	0.120	0.774	1.507	0.140

PREDICTING USDA FOR 2020/21 (OLD CROP) and 2021/22 (NEW CROP):





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#### World Corn Supply and Use

	202	2020/2021		1/2022		
		Change from		Change from		
Item	Estimate	April 9	Forecast	2020/2021		
	Million Tons					
Beginning stocks	304.5	1.5	283.5	-20.9		
Production	1,128.5	-8.6	1,189.9	61.4		
<b>Total Supply</b>	1,432.9	-7.1	1,473.4	40.4		
Feed use	730.3	-0.9	748.3	18.0		
Total use	1,149.4	-6.8	1,181.1	31.7		
Trade	186.8	-0.4	197.5	10.6		
Ending Stocks	283.5	-0.3	292.3	8.8		

## POLL-Trade estimates for USDA June world crop ending stocks

PREDICTING USDA FOR 2020-21 (OLD CROP) AND 2021-22 (NEW CROP):

		2020-21			2021-22		
	Wheat	Corn	Soy		Wheat	Corn	Soy
Average trade estimate	294.41	280.82	87.14		294.49	289.20	91.22
Highest trade estimate	295.23	285.00	92.00		300.00	294.00	94.10
Lowest trade estimate	293.30	276.00	86.00		290.00	285.00	89.00
USDA May	294.67	283.53	86.55		294.96	292.30	91.10

#### Analysts Expectations of Final USDA Numbers

		2020-21					
	Wheat	Corn	Soy		Wheat	Corn	Soy
Average trade estimate	294.52	278.72	86.06		294.43	284.42	91.05
Highest trade estimate	296.00	281.50	87.60		297.50	292.00	92.00
Lowest trade estimate	293.40	270.00	83.00		288.10	279.00	90.00
USDA May	294.67	283.53	86.55		294.96	292.30	91.10

#### World Corn Production

	202	0/2021	202	1/2022
		Change from		Change from
<b>Country or Region</b>	ntry or Region Estimate		Forecast	2020/2021
		Millior	n Tons	
World	1,128.5	-8.6	1,189.9	61.4
United States	360.3		380.8	20.5
Foreign	768.2	-8.6	809.1	40.9
Argentina	47.0		51.0	4.0
Brazil	102.0	-7.0	118.0	16.0
Mexico	27.0	-0.8	28.0	1.0
Canada	13.6		13.3	-0.3
European Union	64.0	**	66.7	2.7
Serbia	8.0		7.3	-0.7
FSU-12	49.4	0.8	58.0	8.6
Ukraine	30.3	0.8	37.5	7.2
Russia	13.9		14.9	1.0
South Africa	17.0		17.0	
China	260.7		268.0	7.3
India	30.2		29.5	-0.7

May 12, 2021















U.S. Corn Price (USD\$ Adj.) vs % "World-Less-China" Corn Stocks-to-Use:



MY 2007/08 through "New Crop" MY 2020/21, as of the May 12, 2021 USDA WASDE report.





	2020	0/2021	2021/2022			
Item		Change from		Change from		
	Estimate	April 9	Forecast	2020/2021		
		Million	Tons			
Beginning stocks	96.5	0.1	86.5	-10.0		
Production	362.9	-0.2	385.5	22.6		
Total Supply	459.5	-0.1	472.1	12.6		
Crush	322.4	-0.1	331.7	9.3		
Total use	369.3	-0.2	380.8	11.4		
Trade	171.4	0.4	172.9	1.5		
Ending Stocks	86.5	-0.3	91.1	4.6		
Addendum						
Beginning stocks						
Argentina plus Brazil	47.4	1.00	45.4	-2.1		
Imports*						
China	100.0		103.0	3.0		

### World Soybean Supply and Use

\*From all sources.

-- No change.

May 12, 2021

### U.S. Soybeans Supply and Demand

	2020	0/2021	202	1/2022
		Change from		Change from
Item	Estimate	April 9	Forecast	2020/2021
Planted area (million acres)	83.1	5227	87.6	4.5
Harvested area (million acres)	82.3	(	86.7	4.4
Yield (bushels per acre)	50.2		50.8	0.6
		Million	bushels	
Beginning stocks	525	3 <del>77</del> 4 5	120	-405
Production	4,135		4,405	270
Imports	35		35	0
Total supply	4,695		4,560	-135
Crush	2,190		2,225	35
Seed and Residual	105		120	14
Domestic use	2,295		2,345	49
Exports	2,280		2,075	-205
Total use	4,575	1.20	4,420	-156
Ending stocks	120		140	20
		Perc	ent	
Stocks to use ratio	2.6		3.2	0.6
		Dollars pe	er bushel	
Average market price	11.25		13.85	2.60

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### U.S. Soybean Oil Supply and Demand

	202	0/2021	2021/2022			
	Change from			Change from		
Item	Estimate	April 9	Forecast	2020/2021		
	-	pounds				
Beginning stocks	1,853		1,818	-35		
Production	25,515	1.11	25,945	430		
Imports	350		600	250		
Total supply	27,718	6	28,363	645		
Domestic disappearance	23,600	100	25,400	1,800		
Biofuel	9,500	1600	12,000	2,500		
Food, feed, other	14,100	-1500	13,400	-700		
Exports	2,300	-200	1,450	-850		
Total use	25,900	-100	26,850	950		
Ending stocks	1,818	100	1,513	-305		
		Cents pe	r pound			
Average market price	55.00	10.00	65.00	10.00		

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### World Soybean Production

	2020/2021		202	21/2022
		Change from		Change from
<b>Country or Region</b>	Estimate	April 9	Forecast	2020/2021
		Million	Tons	
World	362.9	-0.2	385.5	22.6
United States	112.5		119.9	7.3
Foreign	250.4	-0.2	265.6	15.2
Argentina	47.0	-0.5	52.0	5.0
Brazil	136.0		144.0	8.0
Paraguay	9.9	0.2	10.5	0.6
Canada	6.4		6.4	**
India	10.5	-0.2	11.2	0.8
China	19.6		19.0	-0.6

-- No change. \*\*Rounds to zero.

# **Grain Sorghum Markets**



Kansas Grain Sorghum Seasonal Price Index (MY 1999/00 - MY 2019/20) plus "Current



Crop" MY 2020/21 Estimates as of June 4, 2021 (KSU www.AgManager.info & USDA NASS https://guickstats.nass.usda.gov/

Futures Based Projection for "Next Crop" MY 2021/22 = \$6.21 /bu & \$244.51 /mt



U.S. Grain Sorghum Planted & Harvested Acreage (2010 – 2021)





#### U.S. Grain Sorghum Yields for 2006-2021 as of the May 12, 2021 USDA WASDE report









U.S. Grain Sorghum Total Supplies: MY 2006/07 - "New Crop" MY 2021/22 as of the

U.S. Grain Sorghum Total Supplies: MY 2006/07 - "New Crop" MY 2021/22 as of the May 12, 2021 USDA WASDE report







U.S. Grain Sorghum Exports for MY 2012/13 - "Current Crop" MY



2020/21 as of May 27, 2021 - via USDA FAS Weekly Export reports









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# **Ethanol & DDGS Markets**



# Ethanol & RBOB Futures

Weekly Charts: January 2016 - June 4, 2021













# **Ethanol DDGS & Corn Input Prices**





## Ethanol Revenues & Net Returns







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