

# Weekly Grain Market Review KSU Ag Economics

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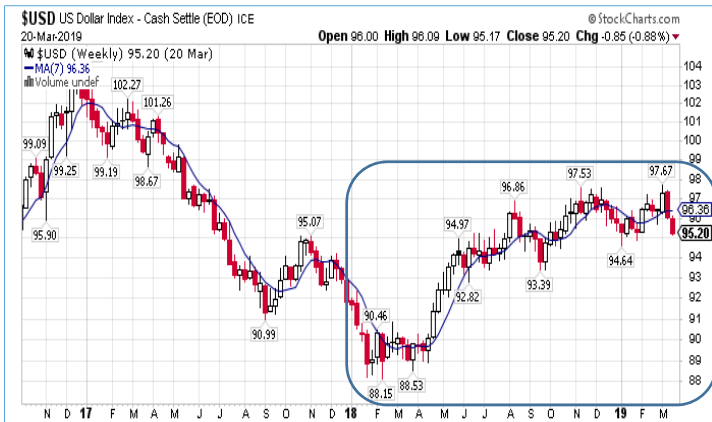
For Radio Program to be aired 10:03-10:15 a.m., Friday, March 22, 2019

## I. Grain Futures Closes, Changes & Carry on Th., March 21, 2019

Corn Futures				Soybean Futures				Kansas HRW Wheat Futures			
Month	Close	Change	Carry /mo	Month	Close	Change	Carry /mo	Month	Close	Change	Carry /mo
May 19	\$3.76 ¼	↑ \$0.0475	---	May 19	\$ 9.10 ½	↑ \$0.0450	---	May 19	\$4.47	↑ \$0.03	---
July 19	\$3.85 ½	↑ \$0.0450	\$0.04 <sup>625</sup>	July 19	\$ 9.24 ¼	↑ \$0.0475	\$0.06 <sup>875</sup>	July 19	\$4.55 ¼	↑ \$0.03	\$0.04 <sup>125</sup>
Sept 19	\$3.91 ¾	↑ \$0.0375	\$0.03 <sup>125</sup>	Aug 19	\$ 9.30 ¼	↑ \$0.0425	\$0.06	Sept 19	\$4.66 ½	↑ \$0.0275	\$0.05 <sup>75</sup>
Dec 19	\$3.98 ¾	↑ \$0.0325	\$0.02 <sup>33</sup>	Sept 19	\$ 9.35 ¼	↑ \$0.0450	\$0.05	Dec 19	\$4.85 ¼	↑ \$0.02	\$0.06 <sup>25</sup>
Mar 20	\$4.09	↑ \$0.0250	\$0.03 <sup>417</sup>	Nov 19	\$ 9.44 ¾	↑ \$0.0450	\$0.04 <sup>75</sup>	Mar 20	\$5.01 ½	↑ \$0.01	\$0.05 <sup>417</sup>
May 20	\$4.14 ¼	↑ \$0.0250	\$0.02 <sup>625</sup>	Jan 20	\$ 9.53	↑ \$0.0425	\$0.04 <sup>125</sup>	May 20	\$5.10 ¾	↑ \$0.0075	\$0.04 <sup>625</sup>
July 20	\$4.17 ¼	↑ \$0.0225	\$0.01 <sup>50</sup>	Mar 20	\$ 9.58 ¾	↑ \$0.0375	\$0.02 <sup>875</sup>	July 20	\$5.16 ¼	↑ \$0.0075	\$0.02 <sup>75</sup>
Sept 20	\$4.08 ½	↑ \$0.0050	No Carry	May 20	\$ 9.64 ¾	↑ \$0.0375	\$0.03	Sept 20	\$5.27 ¾	↑ \$0.0075	\$0.05 <sup>75</sup>

### Price<sup>Soybean</sup> / Price<sup>Corn</sup> Ratios on March 21, 2019:

- “New Crop<sup>2018/19</sup>” ⇒ \$MAY<sup>2019</sup> Soybeans ÷ \$MAY<sup>2019</sup> Corn = \$ 9.10 ½ ÷ \$3.76 ¼ = 2.42
- “Next Crop<sup>2019/20</sup>” ⇒ \$NOV<sup>2019</sup> Soybeans ÷ \$DEC<sup>2019</sup> Corn = \$ 9.44 ¾ ÷ \$3.98 ¾ = 2.37 \*\*\*



## Central Kansas Terminal and Processor Daily Grain Report

TERMINAL HRW WHEAT ORD US NO 1				
	Bids	Change (¢/bu)	Basis	Change
Atchison	4.3200	UP 3	-15K	UNCH
Topeka	4.5200	UP 3	5K	UNCH
Concordia	4.3200	UP 3	-15K	UNCH
Salina	4.4700-4.5700	UP 13-UP 3	OptK to 10K	UP 10-UNCH
Great Bend	4.2700	UP 3	-20K	UNCH
Newton	4.2100	UP 3	-26K	UNCH
Hutchinson	4.2100-4.3300	UP 3	-26K to -14K	UNCH
Wichita	4.3700-4.4200	UP 3	-10K to -5K	UNCH
Wellington	4.3500-4.3700	UP 3	-12K to -10K	UNCH
Arkansas City	4.3500	UP 3	-12K	UNCH

TERMINAL HWW WHEAT ORD US NO 2				
	Bids	Change (¢/bu)	Basis	Change
Wichita	4.4200	UP 3	-5K	UNCH

TERMINAL US NO 2 YELLOW CORN				
	Bids	Change (¢/bu)	Basis	Change
Atchison	3.7825	UP 4.75	2K	UNCH
Topeka	3.8125	UP 4.75	5K	UNCH
Salina	3.5125	UP 4.75	-25K	UNCH
Newton	3.3325	UP 4.75	-43K	UNCH
Hutchinson	3.4225-3.6125	UP 4.75	-34K to -15K	UNCH
Wellington	3.4225	UP 4.75	-34K	UNCH
Arkansas City	3.4225	UP 4.75	-34K	UNCH

TERMINAL US NO 2 SORGHUM				
	Bids	Change (¢/cwt)	Basis	Change
Topeka	6.63	UP 9	-5K	UNCH
Concordia	5.65	UP 9	-60K	UNCH
Salina	5.92-6.00	UP 9-UP 8	-45K to -40K	UNCH
Hutchinson	5.47-5.95	UP 9-UP 8	-70K to -43K	UNCH
Wellington	5.65-6.00	UP 9-UP 8	-60K to -40K	UNCH
Arkansas City	5.63	UP 9	-61K	UNCH
Great Bend	5.52	UP 8	-67K	UNCH

TERMINAL US NO 2 SOYBEANS				
	Bids	Change (¢/bu)	Basis	Change
Atchison	8.5050	UP 4.5	-60K	UNCH
Topeka	8.5050	UP 4.5	-60K	UNCH
Salina	8.1050-8.1550	UP 9.5-UP 4.5	-100K to -95K	UP 5-UNCH
Newton	8.0150	UP 4.5	-109K	UNCH
Hutchinson	8.0050-8.0150	UP 4.5	-110K to -109K	UNCH
Wichita	8.1150	UP 4.5	-99K	UNCH
Wellington	8.0450	UP 4.5	-106K	UNCH
Arkansas City	7.9650	UP 4.5	-114K	UNCH

PROCESSOR US NO 2 YELLOW CORN				
	Bids	Change (¢/bu)	Basis	Change
Atchison	3.7025	UP 4.75	-6K	UNCH

PROCESSOR US NO 2 SOYBEANS				
	Bids	Change (¢/bu)	Basis	Change
Emporia	8.6150	UP 4.5	-49K	UNCH
Wichita	8.5850	UP 4.5	-52K	UNCH

\* All bids are ¢/bu except Sorghum, which is ¢/cwt.

Chicago Board of Trade month symbols: F January, G February, H March, J April, K May, M June, N July, Q August, U September, V October, X November, Z December

Source: USDA-KS Department of Ag Market News Service, Dodge City, KS  
 Sharon Smith 620-227-8881 DodgeCity.LPGMN@ams.usda.gov  
[www.ams.usda.gov/mnreports/DC\\_GR112.txt](http://www.ams.usda.gov/mnreports/DC_GR112.txt)  
[www.ams.usda.gov/LPSMarketNewsPage](http://www.ams.usda.gov/LPSMarketNewsPage)

Western Kansas Grain Markets

Thursday's closing elevator grain bids:

HRW WHEAT ORD US NO 1				
	Bids	Change (¢/bu)	Basis	Change
Dodge City	4.02	UP 3	-45K	UNCH
Colby	4.19	UP 3	-28K	UNCH
Garden City	4.02	UP 3	-45K	UNCH
Goodland	4.17	UP 3	-30K	UNCH
Protection	4.12	UP 3	-35K	UNCH
Scott City	3.92-3.97	UP 3	-55K to -50K	UNCH
Sublette	4.05-4.07	UP 3	-42K to -40K	UNCH
Syracuse	4.17	UP 3	-30K	UNCH
Ulysses	4.17	UP 3	-30K	UNCH

US NO 2 YELLOW CORN				
	Bids	Change (¢/bu)	Basis	Change
Dodge City	3.61	UP 4.75	-15K	UNCH
Colby	3.37	UP 4.75	-39K	UNCH
Garden City	3.61-3.66	UP 4.75	-15K to -10K	UNCH
Goodland	3.36	UP 4.75	-40K	UNCH
Protection	3.58	UP 4.75	-18K	UNCH
Scott City	3.46-3.51	UP 4.75	-30K to -25K	UNCH
Sublette	3.66-3.71	UP 4.75	-10K to -5K	UNCH
Syracuse	3.64	UP 4.75	-12K	UNCH
Ulysses	3.71	UP 4.75	-5K	UNCH

US NO 2 SORGHUM				
	Bids	Change (¢/cwt)	Basis	Change
Dodge City	5.56	UP 9	-65K	UNCH
Colby	5.47	UP 9	-70K	UNCH
Garden City	5.56-5.65	UP 9	-65K to -60K	UNCH
Goodland	5.29	UP 8	-80K	UNCH
Protection	5.59	UP 8	-63K	UNCH
Scott City	5.38	UP 9	-75K	UNCH
Sublette	5.65-5.74	UP 9	-60K to -55K	UNCH
Syracuse	5.65	UP 9	-60K	UNCH
Ulysses	5.65	UP 9	-60K	UNCH

US NO 2 YELLOW SOYBEANS				
	Bids	Change (¢/bu)	Basis	Change
Dodge City	7.66	UP 4.5	-145K	UNCH
Colby	7.61	UP 4.5	-150K	UNCH
Garden City	7.61-7.66	UP 4.5	-150K to -145K	UNCH
Protection	7.76	UP 4.5	-135K	UNCH
Scott City	7.61	UP 4.5	-150K	UNCH
Sublette	7.66-7.86	UP 4.5	-145K to -125K	UNCH
Ulysses	7.60	UP 4.5	-151K	UNCH

US NO 2 SORGHUM - FEEDMILL BID				
	Bids	Change (¢/cwt)	Basis	Change
Ashland	NA	NA	NA	NA

Cotton Grade 41, Leaf 4, Staple 34, West Texas base price 70.93 cents per pound FOB Railcar or Truck  
FOB Railcar or Truck

\* All bids are \$/bu except Sorghum, which is \$/cwt.

Chicago Board of Trade month symbols: F January, G February, H March, J April,  
K May, M June, N July, Q August, U September, V October, X November, Z December

Source: USDA-KS Department of Ag Market News Service, Dodge City, KS  
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www.ams.usda.gov/mnreports/DC\_GR110.txt  
www.ams.usda.gov/LPSMarketNewsPage



US #2 Yellow Corn - dollars/bushel					Distillers Grain - dollars/ton								
	Cash Bids	Chg	Basis	Avg:	Dried 10%	Chg	Avg:	Modified 50-55%	Chg	Avg:	Wet 65-70%	Chg	Avg:
Iowa-Eastern:	3.4850 - 3.6350	↓	-24K to -9K	-16.50	130.00 - 135.00	—	132.50	60.00	—	60.00	NA	NA	NA
Iowa-Western:	3.4750 - 3.6750	↓	-25K to -5K	-15.00	127.00 - 145.00	—	136.00	50.00 - 65.00	—	57.50	30.00 - 40.00	—	35.00
Illinois:	3.5350 - 3.8050	↑	-19K to 8K	-5.50	140.00 - 175.00	—	157.50	NA	NA	NA	40.00 - 58.00	—	49.00
Indiana:	3.6750 - 3.7950	↑	-5K to 7K	1.00	131.00 - 150.00	—	140.50	74.00	—	74.00	NA	NA	NA
Ohio:	3.6450 - 3.7850	↑	-8K to 6K	-1.00	133.00 - 144.00	—	138.50	NA	NA	NA	NA	NA	NA
Michigan:	3.4850 - 3.7750	↑	-24K to 5K	-9.50	124.00 - 143.00	—	133.50	60.00 - 65.00	—	62.50	60.00	—	60.00
<b>Kansas:</b>	<b>3.6650 - 3.9250</b>	<b>↑</b>	<b>-8K to 20K</b>	<b>7.00</b>	<b>150.00 - 175.00</b>	<b>—</b>	<b>162.50</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>60.00 - 68.00</b>	<b>—</b>	<b>64.00</b>
Minnesota:	3.3750 - 3.6050	↑	-35K to -12K	-23.50	126.00 - 135.00	—	130.50	63.00	—	63.00	40.00 - 48.00	—	44.00
Nebraska:	3.3450 - 3.6750	↑	-38K to -5K	-21.50	135.00 - 178.00	—	156.50	65.00 - 80.00	—	72.50	40.00 - 60.00	—	50.00
Wisconsin:	3.3250 - 3.4750	↑	-40K to -25K	-32.50	133.00 - 145.00	—	139.00	60.00 - 70.00	—	65.00	48.00	—	48.00
South Dakota:	3.3150 - 3.5250	↑	-41K to -20K	-30.50	132.00 - 143.00	—	137.50	66.00 - 75.00	—	70.50	42.00	—	42.00
Missouri:	3.5650 - 3.7250	↑	-16K to OptK	-8.00	150.00 - 169.00	—	159.50	82.00	—	82.00	57.00 - 60.00	—	58.50

Sorghum - dollars/bushel				
	Cash Bids	Chg	Basis	Avg:
<b>Kansas:</b>	<b>3.4250 - 3.4750</b>	<b>↑</b>	<b>-30K to -25K</b>	<b>-27.50</b>
Missouri:	NA	NA	NA	NA

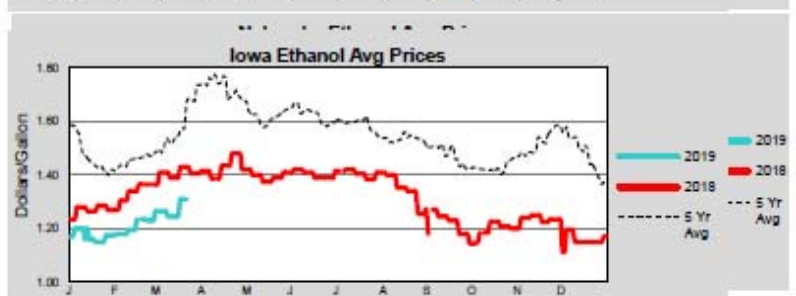
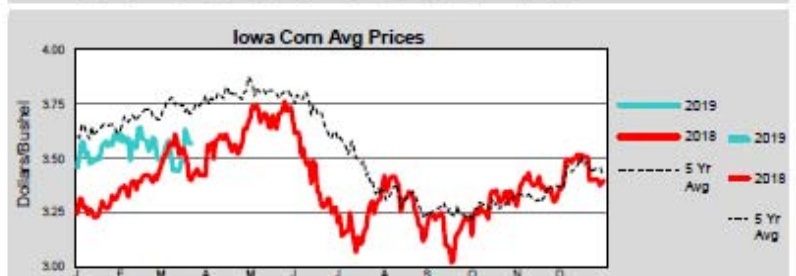
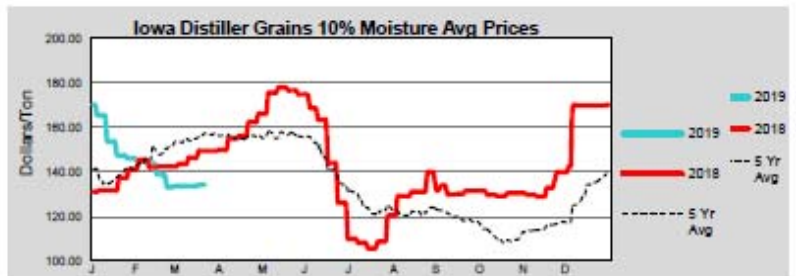
Corn Oil - cents/pound			
W/E 03/01/2019	Range	Chg:	Avg:
Iowa:	24.00 - 27.00	↑	25.50
Eastern Cornbelt:	23.00 - 26.00	—	24.50
Nebraska:	25.00 - 26.00	↑	25.50
South Dakota:	23.00 - 25.00	↑	24.00

Ethanol - dollars/gallon			
W/E 03/01/2019	Range	Chg:	Avg:
Iowa:	1.25 - 1.37	↑	1.31
Eastern Cornbelt:	1.28 - 1.36	↑	1.32
<b>Kansas:</b>	<b>1.28 - 1.37</b>	<b>↑</b>	<b>1.33</b>
Minnesota:	NA	NA	NA
Nebraska:	1.25 - 1.37	↑	1.31
Wisconsin:	1.31 - 1.36	NA	1.34
South Dakota:	1.17 - 1.18	↑	1.18

Daily Nearby Futures			
	Today	Yesterday	Last year
<b>CME group</b>			
Corn (\$/bu)	3.7500	3.7150	3.7800
Ethanol (\$/gal)	1.4190	1.4080	1.4810
<b>NYMEX:</b>			
RBOB Gasoline (\$/gal)	1.9273	1.9166	2.0096
Natural Gas (mmBtu)	2.8010	2.8200	2.6170

**Daily Market Review**

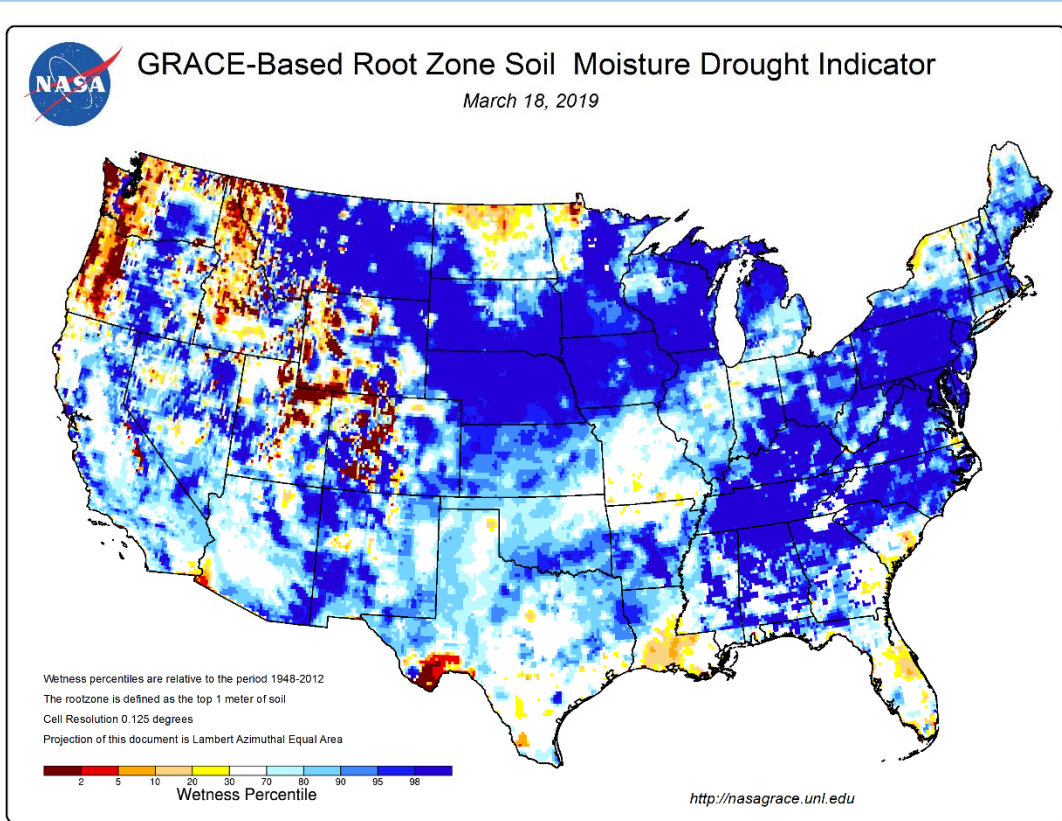
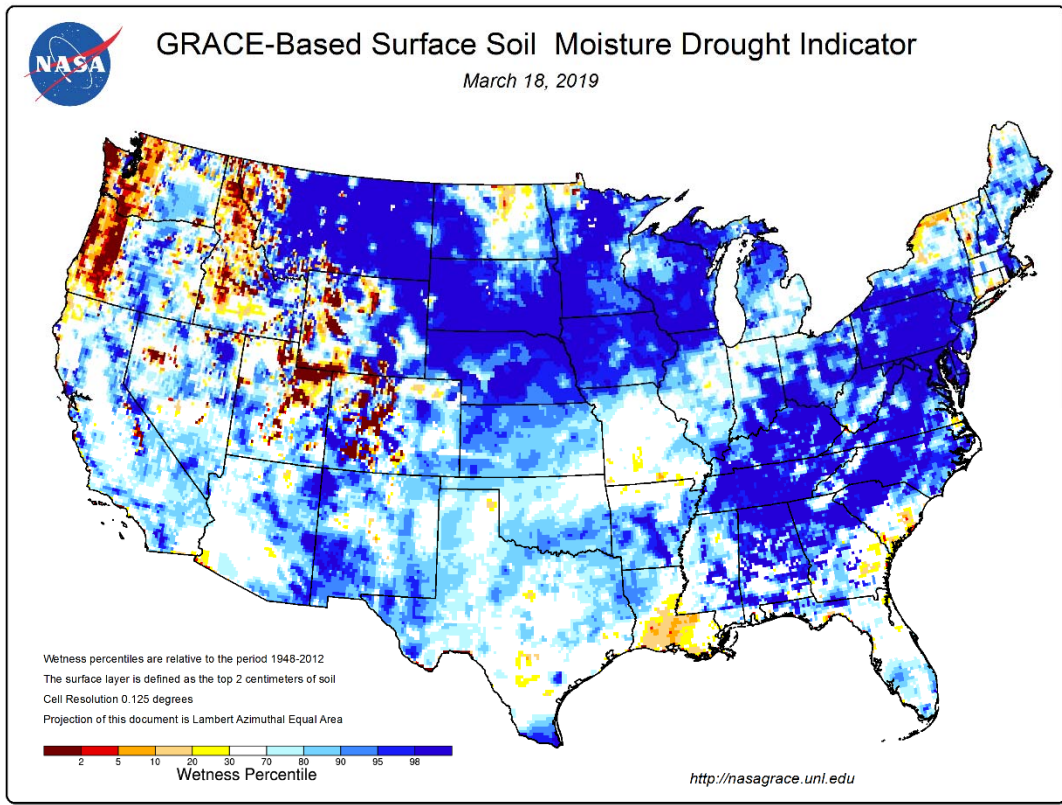
A very wet late winter and early spring has spring field work behind schedule. Some people are thinking corn planting intentions may be a little high for 2019..

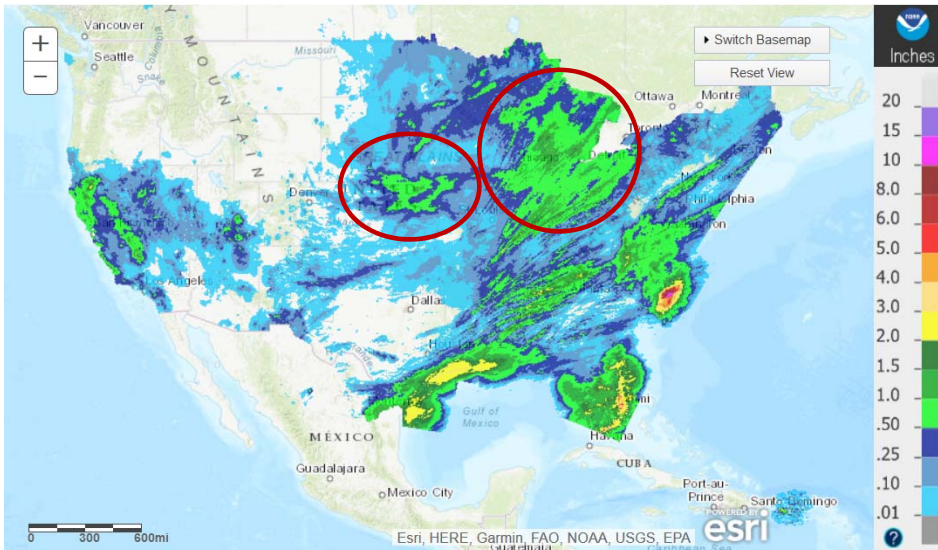


**BIO-ENERGY REPORT NOTES**

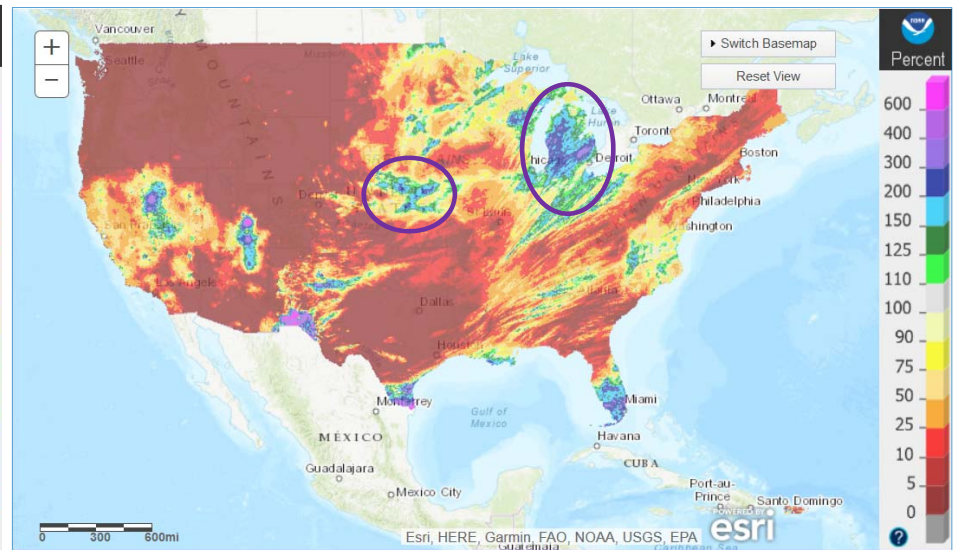
Yellow corn : US #2 spot bids at ethanol plants reported as \$/per bushel  
 Distiller grains: Spot bids FOB the ethanol plant reported as \$/per ton. Protein content 28-30% for most distiller grains on a dry matter basis.  
 Ethanol: Spot bids FOB the ethanol plant reported as \$/gallon.  
 Distiller corn oil: Spot bids FOB the ethanol plant reported as ¢/lb. Distiller corn oil is intended for animal feed or biofuel and is not Generally Regarded As Safe (GRAS) for human consumption. It may also be referred to as inedible crude corn oil or crude corn oil.  
 Chicago Board of Trade month symbols: F January, G February, H March, J April, K May, M June, N July, Q August, U September, V October, X November, Z December

## II. U.S. Soil Moisture & World Crop Production Conditions

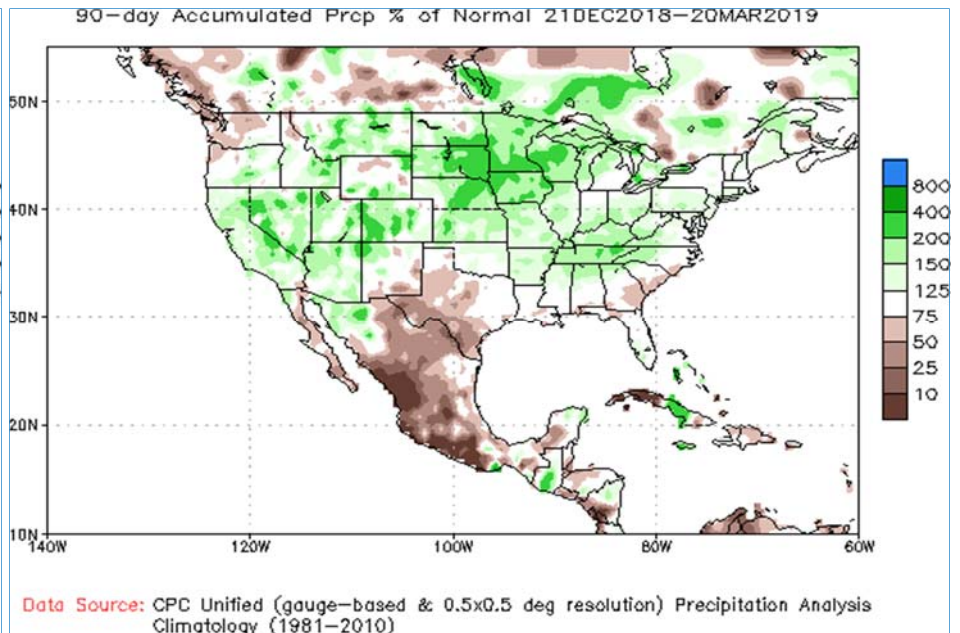
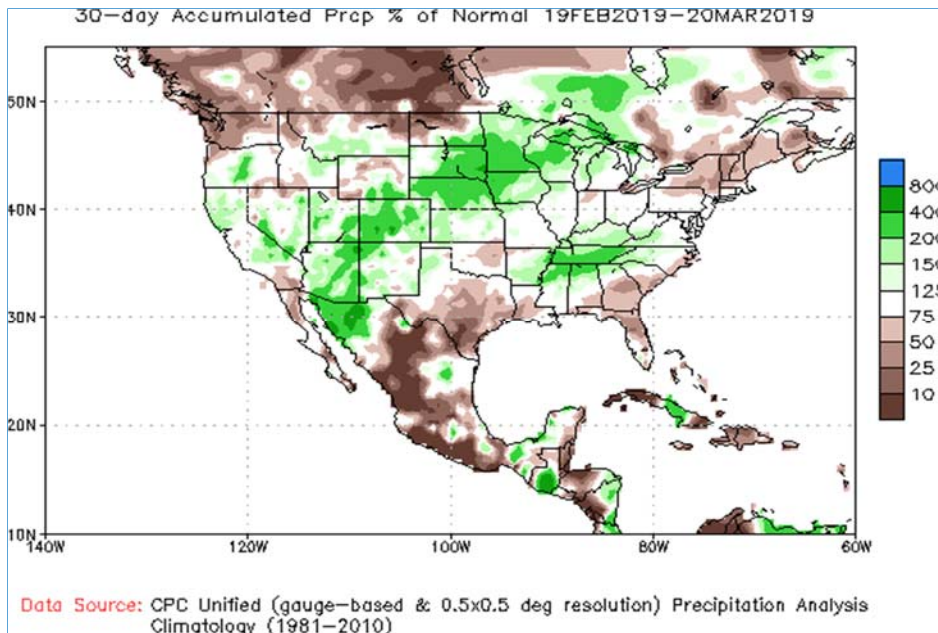




Displaying Last 7-Day Observed Precipitation  
Valid on: March 21, 2019 12:00 UTC



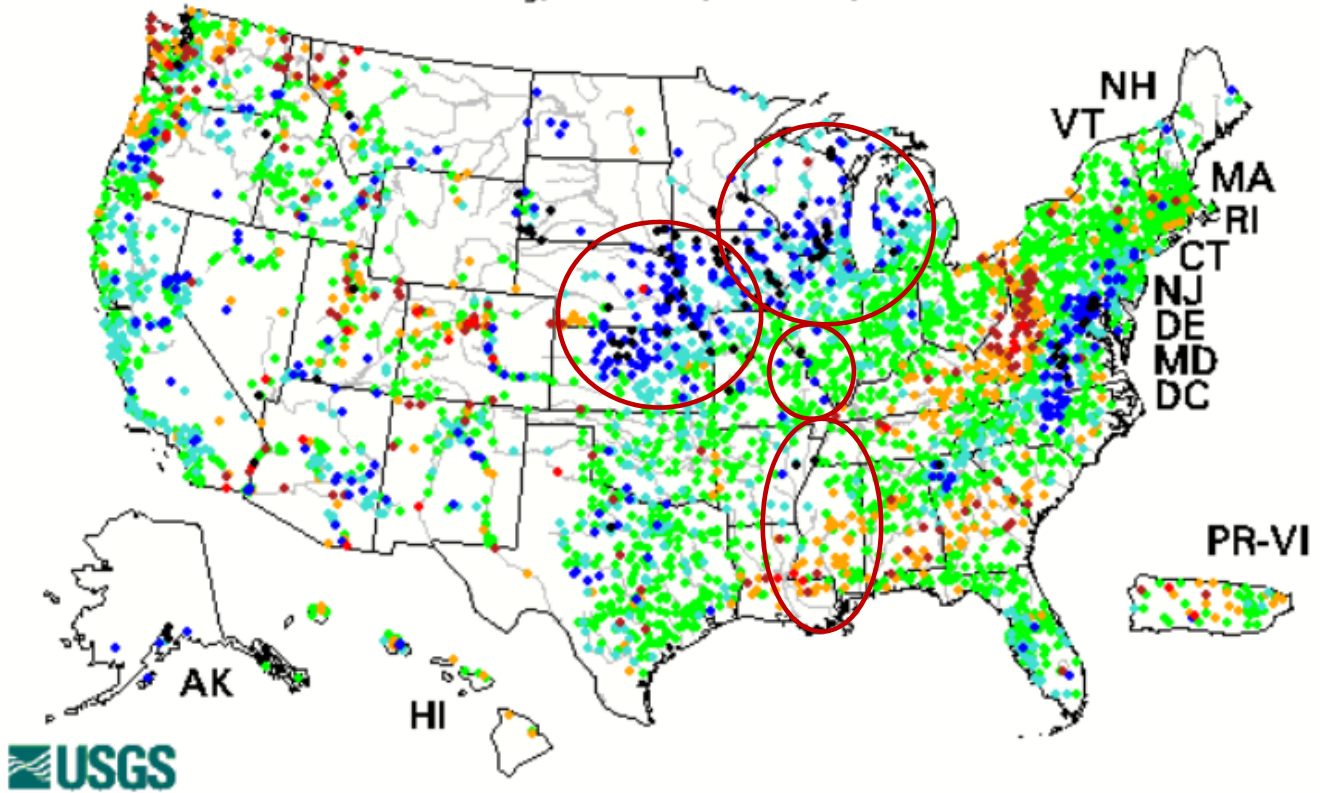
Displaying Last 7-Day Percent of Normal Precipitation  
Valid on: March 21, 2019 12:00 UTC



# Map of real-time streamflow compared to historical streamflow for the day of the year (United States)

State  or Water-Resources Regions

Thursday, March 21, 2019 15:30ET



Search USGS streamgage

Choose a data retrieval option and select a location on the map

- List of all stations in state,  State map, or  Nearest stations

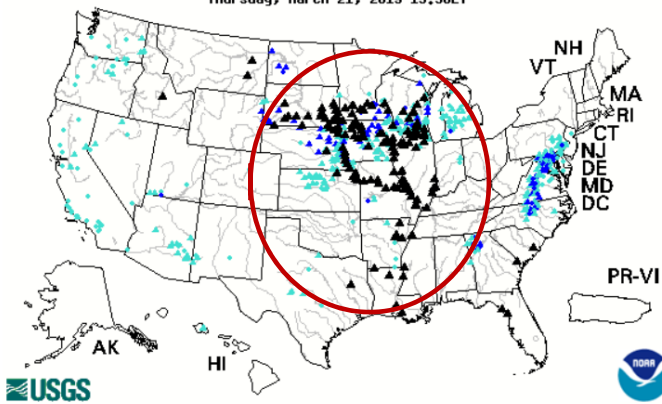
Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	

### Map of flood and high flow condition (United States)

(151 streamgages are currently reporting water levels above the National Weather Service defined flood stage)

State  or Water-Resources Regions

Thursday, March 21, 2019 15:30ET



Search USGS streamgage

Choose a data retrieval option and select a location on the map

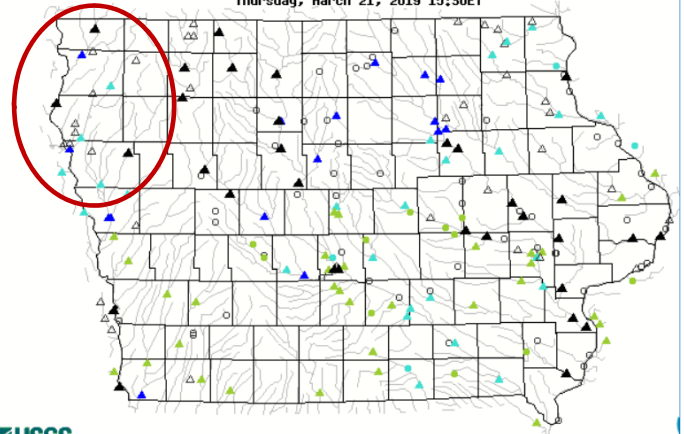
- List of all stations in state,  State map, or  Nearest stations

Explanation - Percentile classes		
95-98	>= 99	River above flood stage
<input checked="" type="radio"/> Streamgage with flood stage	<input type="radio"/> Streamgage without flood stage	

### Map of flood and high flow condition (Iowa)

Iowa  or Water-Resources Regions

Thursday, March 21, 2019 15:30ET



USGS

Search USGS streamgage

Choose a data retrieval option and select a location on the map

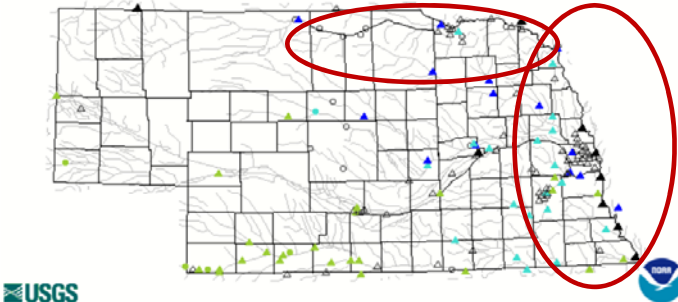
- List of all stations  Single station  Nearest stations  Peak flow

Explanation - Percentile classes				
<95	95-98	>= 99	River above flood stage	Not ranked
<input checked="" type="radio"/> Streamgage with flood stage	<input type="radio"/> Streamgage without flood stage			

### Map of flood and high flow condition (Nebraska)

Nebraska  or Water-Resources Regions

Thursday, March 21, 2019 15:30ET



USGS

Search USGS streamgage

Choose a data retrieval option and select a location on the map

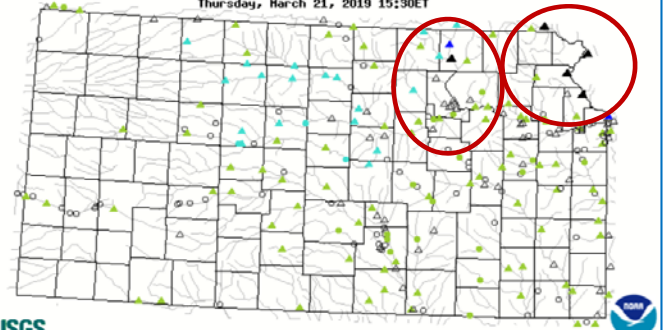
- List of all stations  Single station  Nearest stations  Peak flow

Explanation - Percentile classes				
<95	95-98	>= 99	River above flood stage	Not ranked
<input checked="" type="radio"/> Streamgage with flood stage	<input type="radio"/> Streamgage without flood stage			

### Map of flood and high flow condition (Kansas)

Kansas  or Water-Resources Regions

Thursday, March 21, 2019 15:30ET



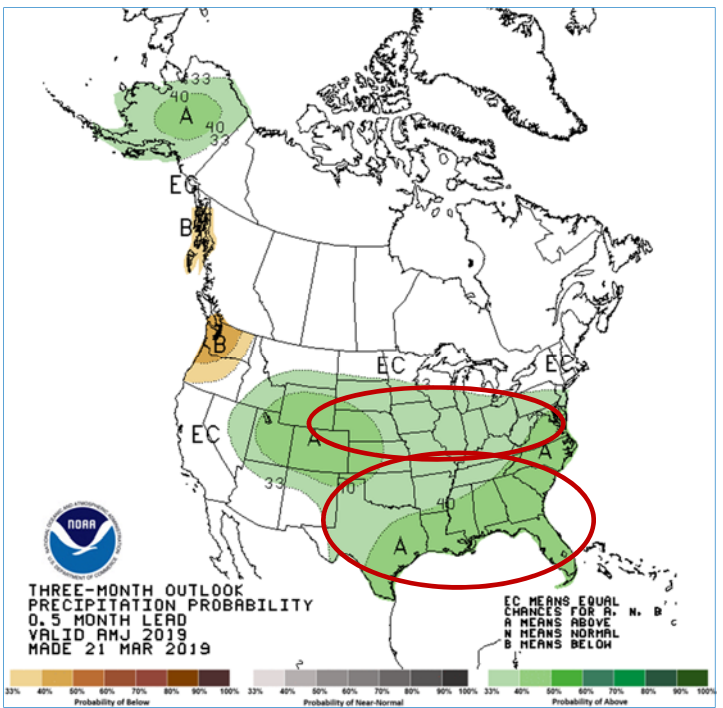
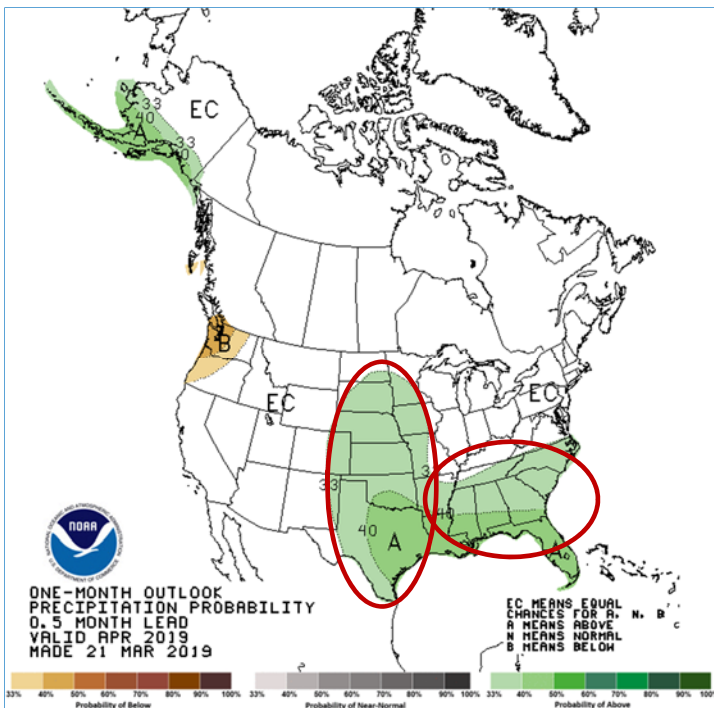
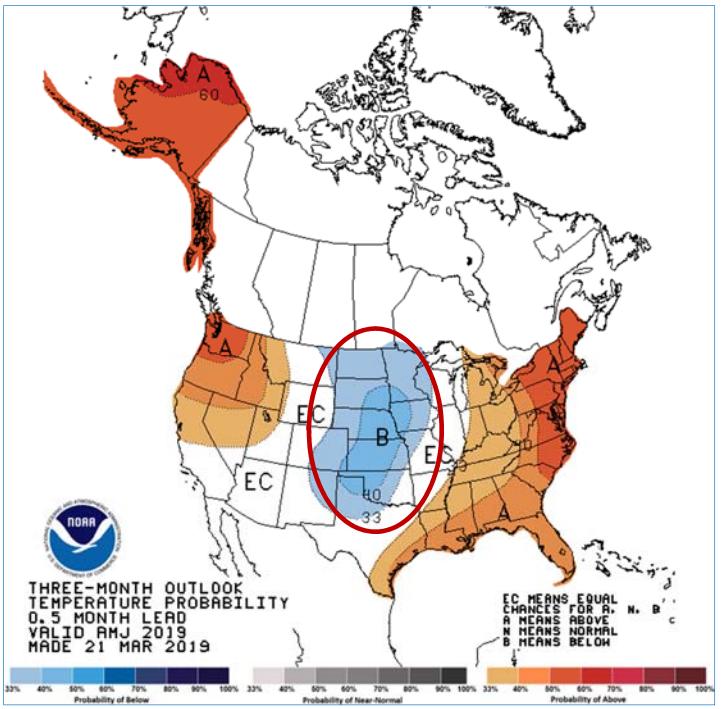
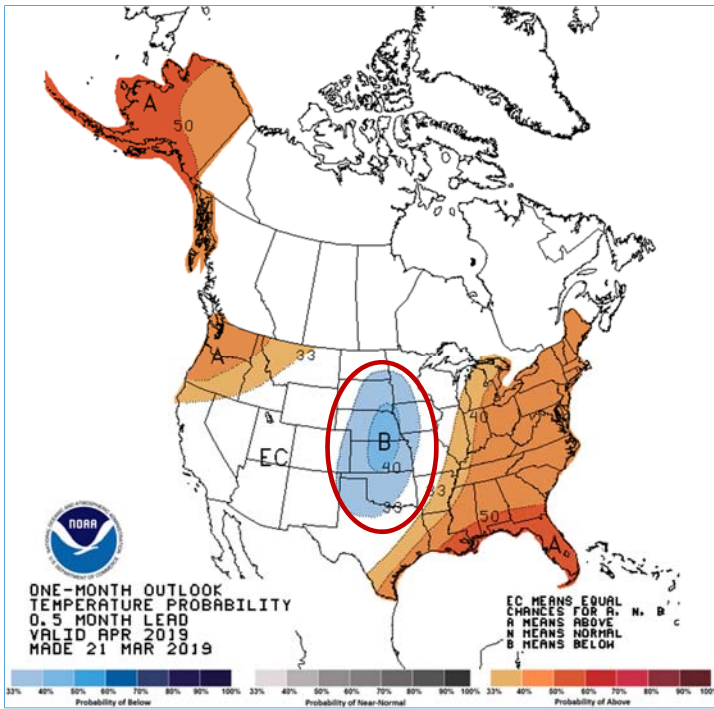
USGS

Search USGS streamgage

Choose a data retrieval option and select a location on the map

- List of all stations  Single station  Nearest stations  Peak flow

Explanation - Percentile classes				
<95	95-98	>= 99	River above flood stage	Not ranked
<input checked="" type="radio"/> Streamgage with flood stage	<input type="radio"/> Streamgage without flood stage			



# III. Corn & Grain Sorghum Market Information

## Daily CME MAY 2019 Corn Futures



### Key Corn & Grain Sorghum Supply-Demand Factors:

#### U.S. Corn Exports: "Bearish" short-term "Current Crop" MY 2018/19 U.S. corn shipments with "Positive" long-term sales

- **Weekly Export Shipments** week of 3/14/2019 for MY 2018/19 = 30.1 mb (Bearish) vs 53.3 mb/wk needed to meet USDA's March 8<sup>th</sup> projn of 2.375 bb exports
- **Total shipments** through 3/14/2019 for MY 2018/19 = 1.095 bb i.e., 46.1% of 2.375 bb USDA projn with 53.8% of MY complete (28/52 weeks)
- **Total sales** through 3/14/2019 for "Current Crop" MY 2018/19 = 1.644 bb (Positive) i.e., 69.2% of 2.375 bb USDA projn w. 53.8% of MY complete (28/52 weeks)

#### U.S. Grain Sorghum Exports: "Bearish" short-term "Current Crop" MY 2018/19 sorghum shipments & "Bearish" long-term sales

- **Weekly Export Shipments** week of 3/14/2019 for MY 2018/19 = 0.398 mb (Bearish) vs 2.15 mb/wk needed to meet USDA's March 8<sup>th</sup> projn of 80 mb exports
- **Total shipments** through 3/14/2019 for MY 2018/19 = 28.3 mb i.e., 35.4% of 80 mb USDA projn with 53.8% of MY complete (28/52 weeks)
- **Total new sales** through 3/14/2019 for "Current Crop" MY 2018/19 = 37.3 mb i.e., 46.6% of 80 mb USDA projn w. 53.8% of MY complete (28/52 weeks) (Bearish)

### World & U.S. Corn Supply-Demand Fundamentals

Mktg Yr	World % S/U	U.S. % S/U	U.S. \$/bu	U.S. Crop
2009/10	15.8% S/U	13.1% S/U	\$3.55 /bu	13.067 bln bu
2010/11	13.3% S/U	8.7% S/U	\$5.18 /bu	12.425 bln bu
2011/12	13.9% S/U	7.9% S/U	\$6.22 /bu	12.314 bln bu
2012/13	16.4% S/U	7.4% S/U	\$6.89 /bu	10.755 bln bu
2013/14	22.6% S/U	9.2% S/U	\$4.46 /bu	13.829 bln bu
2014/15	28.7% S/U	12.6% S/U	\$3.70 /bu	14.216 bln bu
2015/16	31.1% S/U	12.7% S/U	\$3.61 /bu	13.602 bln bu
2016/17	32.3% S/U	15.7% S/U	\$3.36 /bu	15.148 bln bu
2017/18 <sup>USDA</sup>	31.4% S/U	14.5% S/U	\$3.36 /bu	14.609 bln bu
<b>2018/19<sup>USDA</sup></b>	<b>28.0% S/U</b>	<b>12.4% S/U</b>	<b>\$3.55 /bu</b>	<b>14.420 bln bu</b>
<b>2019/20<sup>USDA</sup></b>	-----	<b>11.7% S/U</b>	<b>\$3.65 /bu</b>	<b>14.890 bln bu</b>

#### ❖ U.S. Grain Sorghum Supply-Demand Fundamentals

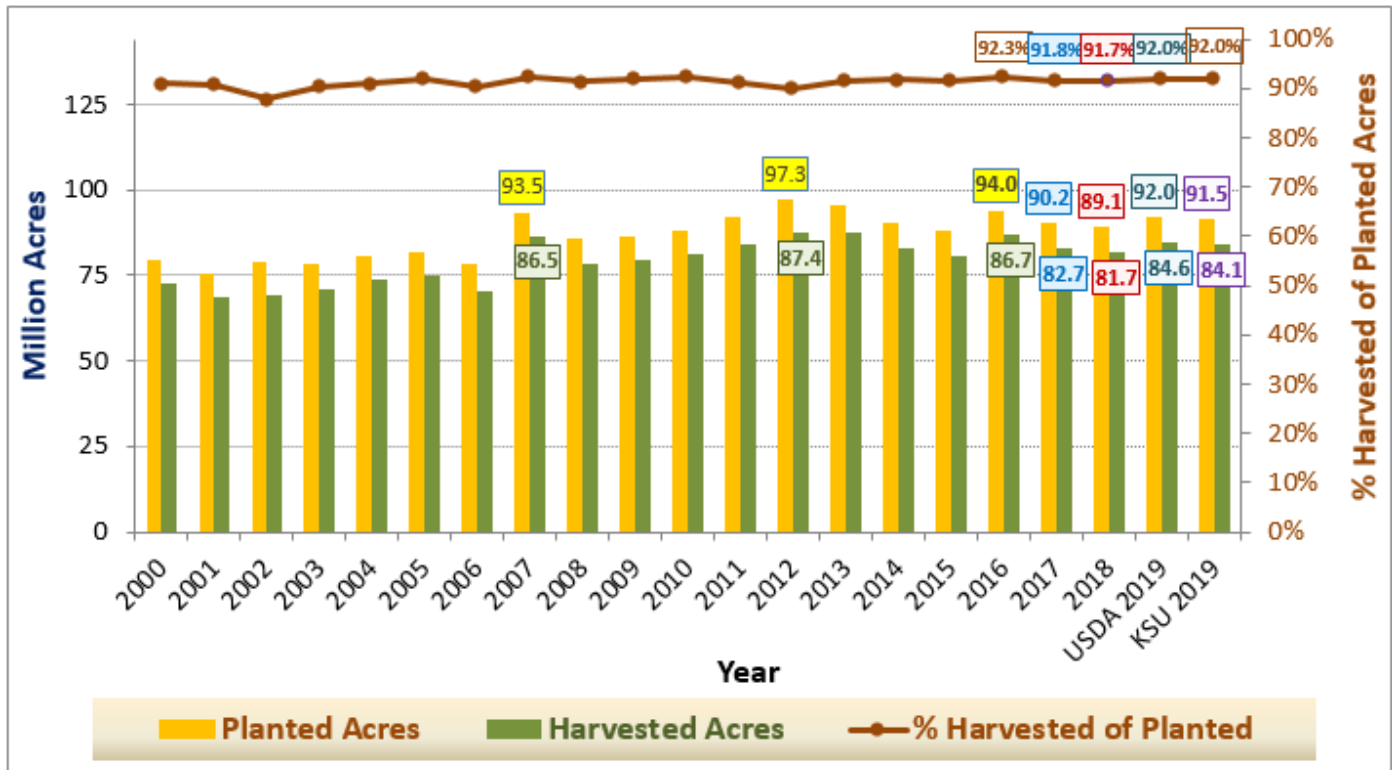
2016/17	6.690 mln ac.	6.8% S/U	\$2.79 /bu	480 mln bu
2017/18 <sup>USDA</sup>	5.629 mln ac.	9.7% S/U	\$3.22 /bu	362 mln bu
<b>2018/19<sup>USDA</sup></b>	<b>5.690 mln ac.</b>	<b>19.4% S/U</b>	<b>\$3.30 /bu</b>	<b>365 mln bu</b>



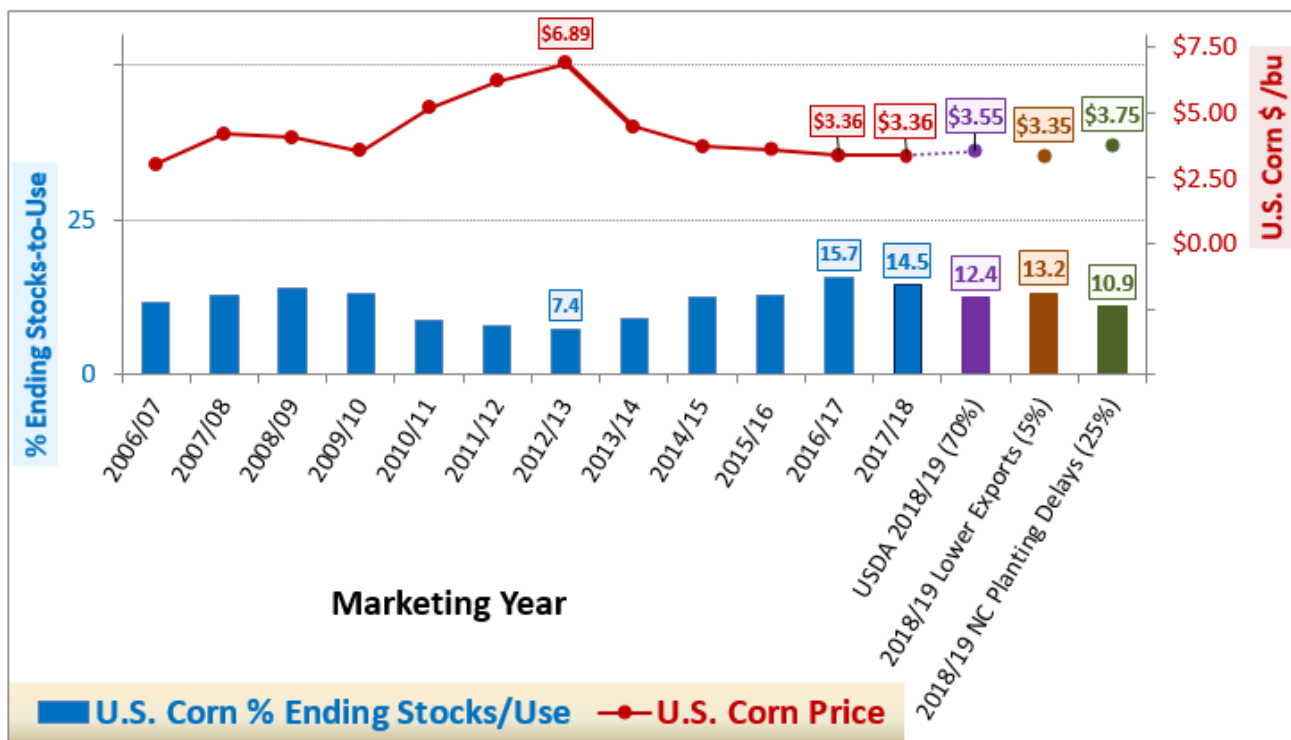
**Table 1a. U.S. Corn Supply-Demand Balance Sheet: “Current” MY 2018/19 & “Next Crop” MY 2019/20** as of the February 8, 2019 USDA WASDE report with USDA 2019 Agricultural Outlook Forum projections

Item	USDA 2018/19	KSU Lower Exports (2.250 bln bu) 2018/19	KSU Delayed Planting Spring 2019 (Higher Old Crop Usage) 2018/19	USDA 2019 Agricultural Outlook Forum w. KSU Adjustments February 22, 2019 2019/20	KSU KSU S-D Adjustments for Significant 2019 Planting Delays 2019/20
% Probability of Occurring (KSU)	70% <sup>KSUest</sup>	5% <sup>KSUest</sup>	25% <sup>KSUest</sup>	75% <sup>KSUest</sup>	25% <sup>KSUest</sup>
<b>Planted Area</b> (million acres)	<b>89.129</b>	<b>89.129</b>	<b>89.129</b>	<b>92.000</b>	<b>88.000</b>
Harvested Area (million acres)	81.740	81.740	81.740	84.600	80.960
% Harvested/Planted Area	91.7%	91.7%	91.7%	92.0%	92.0%
Yield / harvested acre (bu/ac)	176.4	<b>176.4</b>	<b>176.4</b>	176.0	175.0
	Million Bushels			Million Bushels	
Beginning Stocks (million bushels)	2,140	2,140	2,140	*** 1,835	*** 1,835
<b>Production</b> (million bu.)	<b>14,420</b>	<b>14,420</b>	<b>14,420</b>	<b>14,890</b>	<b>14,168</b>
Imports (million bu.)	40.0	40	40	40.0	40.0
<b>Total Supply</b> (million bu.)	<b>16,600</b>	<b>16,600</b>	<b>16,600</b>	*** <b>16,765</b>	*** <b>16,043</b>
Ethanol for fuel Use (million bu.)	5,550	5,550	(+50) 5,600	5,575	5,550
Food & Industrial Use (mln bu.)	1,434.1	1,434	1,434	1,434.1	1,434.1
Seed Use (million bu.)	30.9	31	31	30.9	30.9
Exports (million bu.)	2,375	(-100) 2,275	(+100) 2,475	2,475	2,350
Feed & Residual Use (million bu.)	5,375	5,375	5,375	5,500	5,350
<b>Total Use</b> (million bu.)	<b>14,765</b>	(-100) <b>14,665</b>	(+150) <b>14,915</b>	<b>15,015</b>	<b>14,715</b>
Ending Stocks (million bu.)	1,835	(+100) 1,935	(-150) 1,685	*** 1,750	*** 1,328
<b>% Ending Stocks-to-Use</b>	<b>12.43%</b>	<b>13.19%</b> (+0.76%)	<b>11.30%</b> (-1.13%)	*** <b>11.66%</b>	*** <b>9.02%</b>
U.S. Corn Average Farm Price (\$/bushel)	\$3.35- \$3.75 (\$3.55)	\$3.40	\$3.75	<b>\$3.65</b> <sup>USDA</sup>	<b>\$4.00</b> <sup>KSU</sup>

**Figure 5. U.S. Corn Acreage for 2000-2019** as of the February 8, 2019 USDA Crop Production & WASDE reports, with USDA 2019 Agricultural Outlook Forum projections

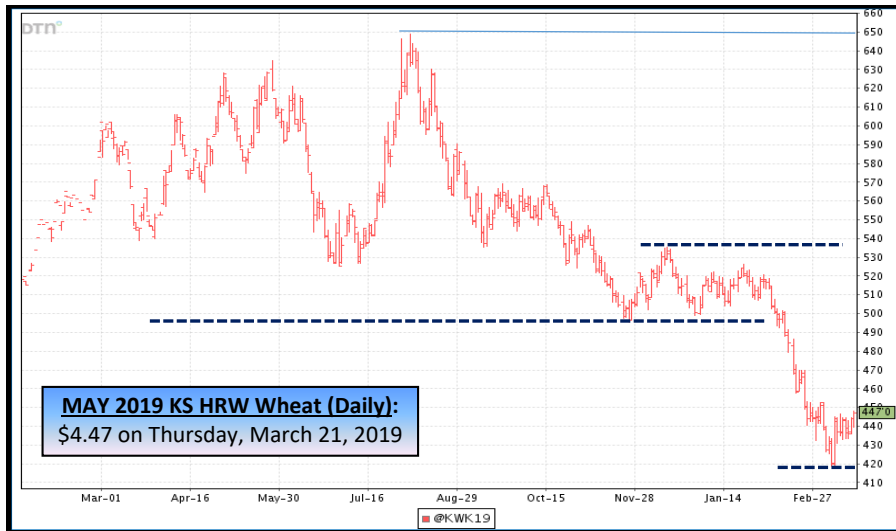


**Figure 12a. U.S. Corn Percent Ending Stocks vs U.S. Average Cash Corn Prices, MY 2006/07 – projected “Current” MY 2018/19;** as of the March 8, 2019 USDA WASDE + KSU “Current” MY 2018/19 Scenarios



# IV. Wheat Market Outlook

## Daily MAY 2019 KS HRW Wheat



### TFC Commodity Charts



### Wheat Export Situation:

**U.S. All Wheat Exports:** "Neutral" short-term Export Shipments with "Neutral-Positive" long-term export prospects in "Current Crop" MY 2018/19 total sales

- Weekly Export Shipments wk of 3/14/2019 for "Current" MY 2018/19 = 13.1 mb (Neutral) vs 29.7 mb /wk needed to meet USDA's March 8<sup>th</sup> projn of 965 mb exports
- Total shipments through 3/7/2019 for "Current" MY 2018/19 = 638.4 mb i.e., 66.1% of 965 mb USDA projn with 78.8% of MY complete (41/52 weeks)
- Total shipments + new sales thru 3/8/2019 for "Current" MY 2018/19 = 850.4 mb i.e., 88.1% of 965 mb USDA projn with 78.8% of MY complete (41/52 weeks) (Neutral-Positive)

**U.S. Hard Red Winter (HRW) Wheat Exports:** "Bearish" short-term Shipments with "Positive" long-term prospects in "Current" MY 2018/19 total sales

- Weekly Export Shipments wk of 3/14/2019 for "Current" MY 2018/19 = 5.0 mb (Bearish) vs 10.1 mb /wk needed to meet USDA's March 8<sup>th</sup> projn of 320 mb HRW wheat exports
- Total shipments through 3/14/2019 for "Current" MY 2018/19 = 208.5 mb i.e., 65.1% of 320 mb USDA HRW wheat exports with 78.8% of MY complete (41/52 weeks)
- Total shipments + new sales thru 3/14/2019 for "Current" MY 2018/19 = 297.3 mb i.e., 92.9% of 320 mb USDA projn with 78.8% of MY complete (41/52 weeks) (Positive)

### "Negative" World & U.S. Wheat S/D Fundamentals

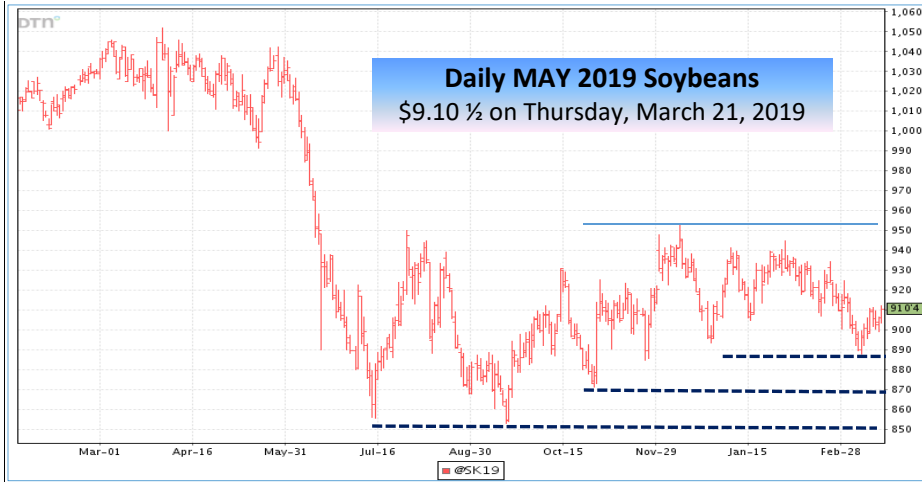
Mktg Yr	World % S/U	World Crop	U.S. % S/U	U.S. \$/bu	U.S. Exports
2007/08	20.8% S/U	612.2 mmt	13.2% S/U	\$6.48 /bu	1,263 mln bu
2008/09	26.4% S/U	684.8 mmt	28.7% S/U	\$6.78 /bu	1,015 mln bu
2009/10	31.2% S/U	688.2 mmt	48.6% S/U	\$4.87 /bu	879 mln bu
2010/11	30.4% S/U	650.7 mmt	36.4% S/U	\$5.70 /bu	1,291 mln bu
2011/12	28.6% S/U	698.7 mmt	33.4% S/U	\$7.24 /bu	1,051 mln bu
2012/13	26.3% S/U	660.4 mmt	29.9% S/U	\$7.77 /bu	1,012 mln bu
2013/14	28.2% S/U	716.6 mmt	24.2% S/U	\$6.87 /bu	1,176 mln bu
2014/15	31.5% S/U	730.4 mmt	37.3% S/U	\$5.99 /bu	864 mln bu
2015/16	34.1% S/U	738.4 mmt	50.0% S/U	\$4.89 /bu	778 mln bu
2016/17	35.3% S/U	756.4 mmt	53.1% S/U	\$3.89 /bu	1,051 mln bu
2017/18 <sup>USDA</sup>	37.6% S/U	763.1 mmt	55.5% S/U	\$4.72 /bu	901 mln bu
<b>2018/19<sup>USDA</sup></b>	<b>36.5% S/U</b>	<b>733.0 mmt</b>	<b>50.9% S/U</b>	<b>\$5.15 /bu</b>	965 mln bu
<b>2019/20<sup>USDA</sup></b>	-----	-----	<b>46.9% S/U</b>	<b>\$5.20 /bu</b>	975 mln bu

**Table 1a. U.S. Wheat Supply-Demand Balance Sheet: “Current” MY 2018/19 & “Next Crop” MY 2019/20** as of the March 8, 2019 USDA WASDE report, with alternative USDA & KSU Scenarios for “Next Crop” MY 2019/20 based on USDA 2019 Agricultural Outlook Forum projections.

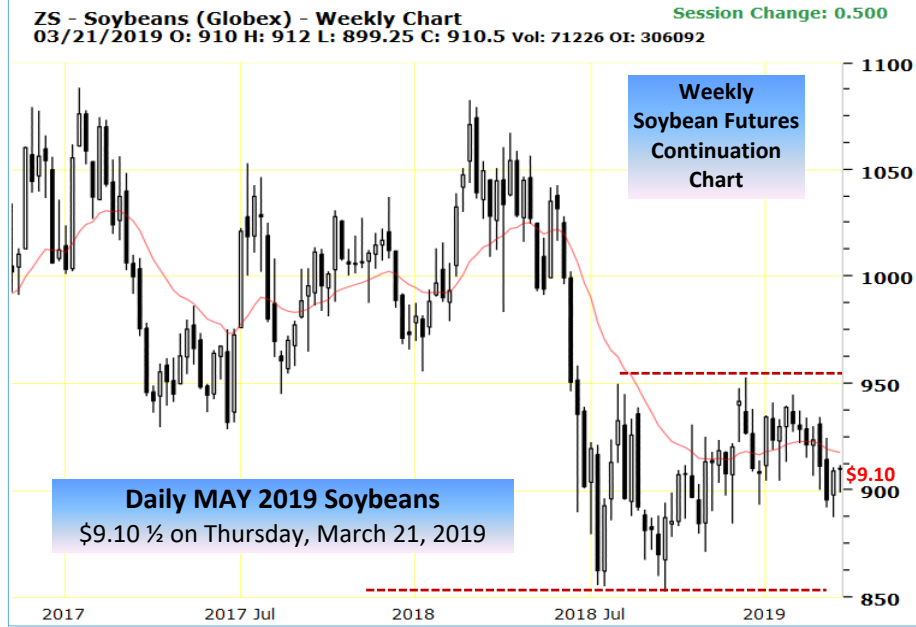
<b>Item</b>	<b>USDA 2018/19</b>	<b>USDA 2019/20</b> 2019 Agricultural Outlook Forum Projections	<b>USDA-KSU 2019/20</b> Lower 2019 U.S. Wheat Planted Acres & U.S. Wheat Production
<i>% Probability of Occurring (KSU est.)</i>		<i>50% prob.</i>	<i>50% prob.</i>
Planted Area (million acres)	47.800	47.000	*** 45.000
Harvested Area (million acres)	39.605	39.800	*** 38.100
% Harvested/Planted Area	82.86%	84.68%	84.67%
Yield / harvested acre (bu/ac)	47.6	47.8	47.8
	<b>Million Bushels</b>		
Beginning Stocks (million bushels)	1,099	1,055	*** 1,055
Production (million bu.)	1,884	1,902	*** 1,821
Imports (million bu.)	145	140	140
<b>Total Supply (million bu.)</b>	<b>3,128</b>	<b>3,097</b>	<b>*** 3,016</b>
Food Use	965	980	980
Seed Use	63	63	63
Exports	965	975	975
Feed & Residual Use	80	90	90
<b>Total Use</b>	<b>2,073</b>	<b>2,108</b>	<b>2,108</b>
Ending Stocks (million bu.)	1,055	989	*** 908
% Ending Stocks-to-Use	50.89%	46.92%	*** 43.07%
U.S. Wheat Avg. Farm Price (\$/bushel)	\$5.10-\$5.20 <b>(\$5.15)</b>	<b>\$5.20</b>	<b>*** \$5.60</b>

# V. Soybean Market Outlook

## Daily MAY 2019 Soybean Futures



### TFC Commodity Charts



### Key Soybean Supply-Demand Issues:

#### ❖ U.S. Soybean Exports: “Neutral-Positive” short-term export shipments in “Current Crop” MY 2018/19 and “positive” long-term total sales

- **Weekly Export Shipments week of 3/14/2019 for MY 2018/19 = 37.3 mb (Neutral-Positive)** vs 34.75 mb/wk needed to meet USDA’s March 8<sup>th</sup> projn of 1.875 bb exports
- **Total shipments through 3/14/2019 for MY 2018/19 = 1.041 bb** i.e., 55.5% of 1.875 bb USDA projn with 53.8% of MY complete (28/52 weeks)
- **Total sales through 3/14/2019 for “New Crop” MY 2018/19 = 1.525 bb** i.e., 81.3% of 1.875 bb USDA projn w. 53.8% of MY complete (28/52 weeks) (Positive)

#### ❖ U.S. Soybean Meal Exports: “Bullish” short-term export shipments in “Current Crop” MY 2018/19 and “Positive” long-term total sales

- **Export Shipments for week of 3/14/2019 for “Current” MY 2018/19 = 185,400 mt (Bullish)** vs 248,386 mt/wk needed to meet USDA’s March 8<sup>th</sup> projn of 12.470 mmt exports
- **Total shipments through 3/14/2019 for “Current” MY 2018/19 = 5.515 mmt** i.e., 44.2% of 12.470 mmt USDA projn with 46.2% of MY complete (24/52 weeks)
- **Total shipments & new sales (3/14/2019) for “Current” MY 2018/19 = 9.046 mmt** i.e., 72.5% of 12.470 mmt USDA projn with 46.2% of MY complete (24/52 wks) (Positive)

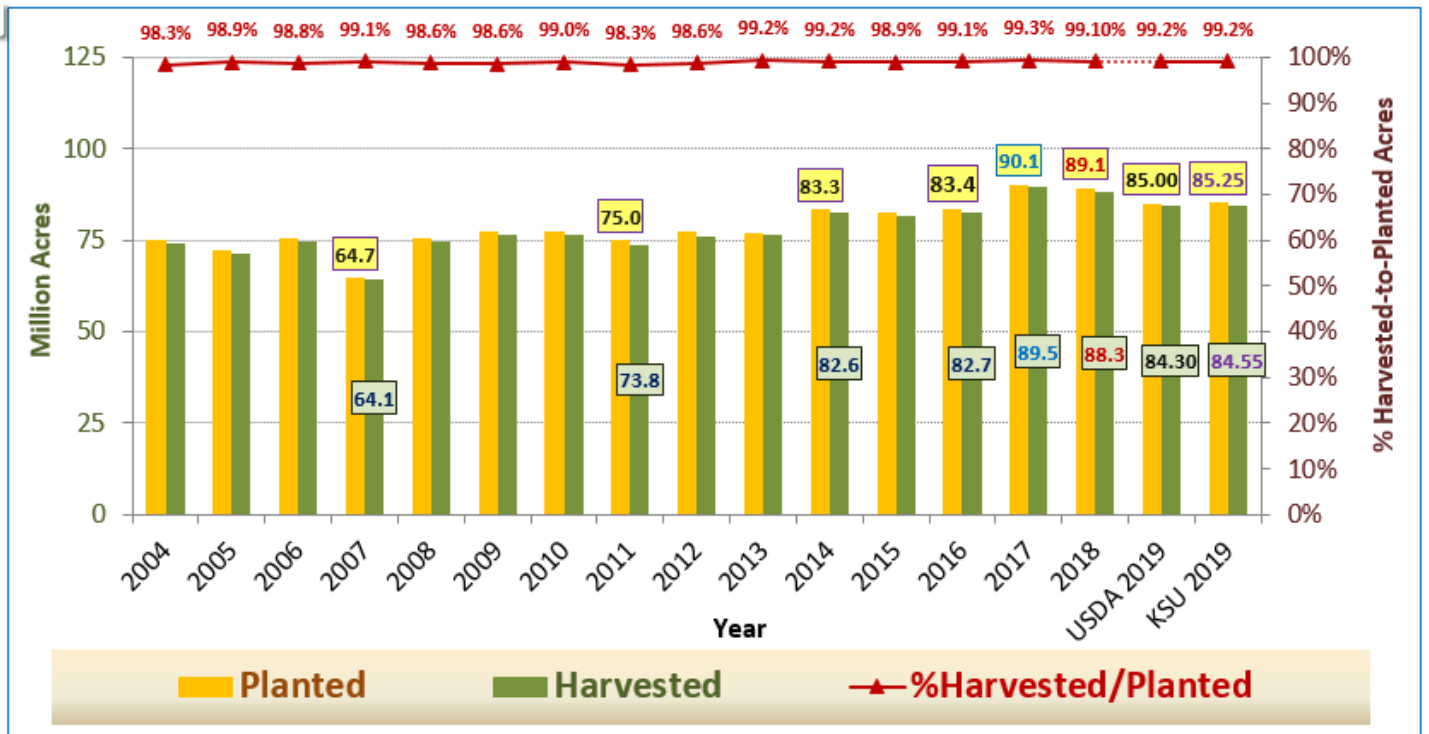
#### ❖ World & U.S. Soybean Supply-Demand Fundamentals

Mktg Yr	World % S/U	World Crop	U.S. % S/U	U.S. \$/bu	U.S. Exports
2009/10	26.3% S/U	260.7 mmt	4.5% S/U	\$ 9.59 /bu	1.499 bln bu
2010/11	29.0% S/U	264.7 mmt	6.6% S/U	\$11.30 /bu	1.505 bln bu
2011/12	22.3% S/U	241.0 mmt	5.4% S/U	\$12.50 /bu	1.365 bln bu
2012/13	22.1% S/U	269.1 mmt	4.5% S/U	\$14.40 /bu	1.328 bln bu
2013/14	23.2% S/U	283.3 mmt	2.6% S/U	\$13.00 /bu	1.639 bln bu
2014/15	26.1% S/U	320.7 mmt	4.9% S/U	\$10.10 /bu	1.842 bln bu
2015/16	25.4% S/U	316.6 mmt	5.0% S/U	\$ 8.95 /bu	1.943 bln bu
2016/17	29.0% S/U	349.3 mmt	7.2% S/U	\$ 9.47 /bu	2.166 bln bu
2017/18 <sup>USDA</sup>	29.2% S/U	340.5 mmt	10.2% S/U	\$ 9.33 /bu	2.129 bln bu
<b>2018/19<sup>USDA</sup></b>	<b>30.8% S/U</b>	<b>360.1 mmt</b>	<b>21.9% S/U</b>	<b>\$ 8.60 /bu</b>	<b>1.875 bln bu</b>
<b>2019/20<sup>USDA</sup></b>	-----	-----	<b>19.6% S/U</b>	<b>\$ 8.80 /bu</b>	<b>2.025 bln bu</b>

**Table 1a. U.S. Soybean Supply-Demand Balance Sheet: “Current” MY 2018/19<sup>Est</sup> and “Next Crop” MY 2019/20** as of the March 8, 2019 USDA WASDE reports, and 2019 USDA Outlook Conference on February 22, 2019

Item	USDA 2018/19	KSU Scenario #1 Lower “Old Crop” Exports 2018/19	KSU Scenario #2 2019 New Crop Soy Planting Problems impact on Old Crop S-D 2018/19	USDA KSU Adjusted #s from USDA Long Term Agricultural Projections 2019/20	KSU Scenario KSU Increased Soybean Acres from delayed Corn plantings 2019/20
<i>% Probability of Occurring (KSU)</i>	<i>80%<sup>KSUest</sup></i>	<i>10%<sup>KSUest</sup></i>	<i>10%<sup>KSUest</sup></i>	<i>80%<sup>KSUest</sup></i>	<i>20%<sup>KSUest</sup></i>
Planted Area (million acres)	89.145	89.145	89.145	85.000	+2.50 ma 87.500
Harvested Area (million acres)	88.343	88.343	88.343	84.300	+2.48 ma 86.779
% Harvested/Planted Area	99.10%	99.10%	99.10%	99.18%	99.18%
Yield / harvested acre (bu/ac)	51.6	51.6	51.6	49.5	49.5
	Million Bushels			Million Bushels	
Beginning Stocks (million bushels)	438	438	438	900	900
Production (million bu.)	4,544	4,544	4,544	4,175	+121 mb 4,296
Imports (million bu.)	20	20	20	20	20
Total Supply (million bu.)	5,002	5,002	5,002	5,095	+121 mb 5,216
Domestic <u>Crushings</u>	2,100	2,100	+25 mb 2,125	2,105	2,105
Exports	1,875	-100 mb 1,775	+25 mb 1,900	2,075	2,075
Seed	96	96	96	99	99
Residual	31	34	34	31	31
Total Use	4,102	-100 mb 4,002	+100 mb 4,202	4,260	4,260
Ending Stocks (million bu.)	900	+100 mb 1,100	-100 mb 800	835	+121 mb 956
% Ending Stocks-to-Use	21.94%	* 27.49%	* 19.04%	19.60%	22.44%
U.S. Soybean Avg. Farm Price (\$/bushel)	\$8.10-\$9.10 (\$8.60)	* \$8.30	* \$8.85	\$8.80	\$8.55

**Figure 5. U.S. Soybean Planted & Harvested Acreage: 2004-2019<sup>Est</sup>** as of the March 8, 2019 USDA WASDE reports, and 2019 USDA Outlook Conference on February 22, 2019



**Figure 12b. U.S. Soybean Ending Stocks vs U.S. Avg. Cash Prices: MY 2006/07 – “Current” MY 2018/19** as of the March 8, 2019 USDA WASDE reports, and 2019 USDA Outlook Conference on February 22, 2019

