

KSU Agriculture Today Radio Notes

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For Radio Program to be aired 10:00-10:15 a.m., Friday, September 2, 2016

I. Grain Futures Closes, Changes & Carry on Thursday, September 1, 2016

Corn Futures				Soybean Futures				Ethanol Futures			
Month	Close	Change	Carry/mo	Month	Close	Change	Carry/mo	Month	Close	Change	Carry/mo
Sept 16	\$3.11	↑ \$0.095	---	Sept 16	\$ 9.59	↓ \$0.01	---	Sept 16	\$1.447	↑ \$0.032	---
Dec 16	\$3.23 ¾	↑ \$0.0825	\$0.04 ²⁵	Nov 16	\$ 9.43 ¾	↑ \$0.0075	No carry	Oct 16	\$1.426	↑ \$0.024	No Carry
Mar 17	\$3.34 ¼	↑ \$0.0825	\$0.03 ⁵⁰	Jan 17	\$ 9.47 ¼	↑ \$0.0125	\$0.01 ⁷⁵	Nov 16	\$1.395	↑ \$0.016	No Carry
May 17	\$3.41 ½	↑ \$0.08	\$0.03 ⁷⁵	Mar 17	\$ 9.50	↑ \$0.0175	\$0.01 ⁴⁰	Dec 16	\$1.363	↑ \$0.014	No Carry
July 17	\$3.49	↑ \$0.0775	\$0.03 ⁷⁵	May 17	\$ 9.53 ¼	↑ \$0.02	\$0.01 ⁶²⁵	Jan 17	\$1.355	↑ \$0.0525	No Carry
Sept 17	\$3.56	↑ \$0.07	\$0.03 ⁵⁰	July 17	\$ 9.55 ¾	↑ \$0.0225	\$0.01 ²⁵	Feb 17	\$1.380	↑ \$0.021	\$0.025
Dec 17	\$3.66 ¼	↑ \$0.0675	\$0.03 ⁴¹⁷	Aug 17	\$ 9.52 ½	↑ \$0.0175	No carry	Mar 17	\$1.383	↑ \$0.014	\$0.015
Mar 18	\$3.77	↑ \$0.0675	\$0.03 ⁵⁸³	Sept 17	\$ 9.34 ¾	↑ \$0.02	No carry	Apr 17	\$1.383	↑ \$0.014	No Carry

Kansas HRW Wheat Futures				Chicago Wheat Futures				MGEX Spring Wheat Futures			
Month	Close	Change	Carry/mo	Month	Close	Change	Carry/mo	Month	Close	Change	Carry/mo
Sept 16	\$3.79 ¾	↑ \$0.085	---	Sept 16	\$ 3.68 ¼	↑ \$0.0725	---	Sept 16	\$4.90 ½	↑ \$0.0475	---
Dec 16	\$4.06 ½	↑ \$0.09	\$0.08 ⁹¹⁷	Dec 16	\$ 3.94 ¾	↑ \$0.065	\$0.08 ⁸³³	Dec 16	\$4.86	↑ \$0.045	No Carry
Mar 17	\$4.23 ¼	↑ \$0.09825	\$0.05 ⁵⁸³	Mar 17	\$ 4.16 ¾	↑ \$0.0655	\$0.08	Mar 17	\$4.96 ½	↑ \$0.0575	\$0.03 ⁵⁰
May 17	\$4.33 ½	↑ \$0.0875	\$0.05 ¹²⁵	May 17	\$ 4.30 ½	↑ \$0.0625	\$0.04 ⁵⁸³	May 17	\$5.05 ½	↑ \$0.0525	\$0.04 ⁵⁰
July 17	\$4.42 ½	↑ \$0.08	\$0.04 ⁵⁰	July 17	\$ 4.41 ¼	↑ \$0.007	\$0.05 ³⁷⁵	July 17	\$5.15	↑ \$0.0525	\$0.04 ⁷⁵
Sept 17	\$4.58 ¼	↑ \$0.08	\$0.07 ⁸⁷⁵	Sept 17	\$ 4.57 ½	↑ \$0.06	\$0.08 ¹²⁵	Sept 17	\$5.24 ¾	↑ \$0.045	\$0.04 ⁸⁷⁵
Dec 17	\$4.81 ¼	↑ \$0.07	\$0.07 ⁷⁷	Dec 17	\$ 4.80 ¼	↑ \$0.0575	\$0.07 ⁵⁸³	Dec 17	\$5.40 ½	↑ \$0.0475	\$0.05 ²⁴⁹
Mar 18	\$4.92 ¼	↑ \$0.065	\$0.03 ⁶⁶⁷	Mar 18	\$ 4.96 ½	↑ \$0.05	\$0.05 ⁴¹⁷	Mar 18			



Central Kansas Terminal and Processor Daily Grain Report

TERMINAL HRW WHEAT ORD US NO 1				
	Bids	Change (¢/bu)	Basis	Change
Atchison	3.0650	UP 10.25	-100Z	DN 25
Topeka	3.1150	UP 10.25	-95Z	DN 25
Concordia	2.8650	UP 9	-120Z	UNCH
Salina	2.9150-2.9650	UP 9-UP 10.25	-115Z to -110Z	UNCH-DN 25
Great Bend	2.8075	UP 8.5	-99U	UNCH
Newton	2.6150	UP 9.25	-145Z	DN 26
Hutchinson	2.7150-3.0050	UP 9.25	-135Z to -106Z	DN 26
Wichita	2.7850-2.9475	UP 9.25-UP 8.5	-128Z to -85U	DN 26-UNCH
Wellington	2.7575-2.8475	UP 8.5	-104U to -95U	UNCH
Arkansas City	2.6975	UP 8.5	-110U	UNCH

TERMINAL HWW WHEAT ORD US NO 2				
	Bids	Change (¢/bu)	Basis	Change
Wichita	2.9475	UP 8.5	-85U	UNCH

TERMINAL US NO 2 YELLOW CORN				
	Bids	Change (¢/bu)	Basis	Change
Atchison	2.8875	UP 13.25	-35Z	DN 9
Topeka	2.8875	UP 13.25	-35Z	DN 9
Salina	2.6875	UP 32.25-UP 8.25	-55Z	UP 10-UNCH
Newton	2.3175	UP 8.25	-92Z	DN 14
Hutchinson	2.5375-2.8175	UP 8.25	-70Z to -42Z	DN 14
Wellington	2.5575	UP 8.25	-68Z	UNCH
Arkansas City	2.5375	UP 8.25	-70Z	UNCH

TERMINAL US NO 2 SORGHUM				
	Bids	Change (¢/cwt)	Basis	Change
Topeka	4.44	UP 15	-75Z	UNCH
Concordia	4.26	UP 39	-85Z	UNCH
Salina	4.35-4.44	UP 14-UP 15	-80Z to -75Z	UNCH
Newton	3.89	UP 15	-106Z	DN 14
Hutchinson	4.03-4.67	UP 15-UP 14	-98Z to -62Z	DN 14
Wellington	4.04	UP 17	-85U	UNCH
Arkansas City	4.00	UP 17	-87U	UNCH

TERMINAL US NO 2 SOYBEANS				
	Bids	Change (¢/bu)	Basis	Change
Atchison	9.0875	DN 4.25	-35X	DN 5
Topeka	9.0375	DN 9.25	-40X	DN 10
Salina	8.7875-8.8875	UP 0.75-DN 4.25	-65X to -55X	UNCH-DN 5
Newton	8.6675	DN 26.25	-77X	DN 27
Hutchinson	8.5875-8.6875	DN 24.25-DN 23.25	-85X to -75X	DN 25-DN 24
Wichita	8.7775	DN 21.25	-66X	DN 22
Wellington	8.9775	UP 0.75	-46X	UNCH
Arkansas City	8.9975	UP 0.75	-44X	UNCH

PROCESSOR HRW WHEAT US NO 1				
	Bids	Change (¢/bu)	Basis	Change
Wichita-11%	3.1975	UP 8.5	-60U	UNCH
Wichita-12%	3.5475	UP 8.5	-25U	UNCH
Wichita-13%	3.8475	UP 8.5	5U	UNCH

PROCESSOR US NO 2 YELLOW CORN				
	Bids	Change (¢/bu)	Basis	Change
Atchison	2.9175	UP 8.25	-32Z	DN 14

PROCESSOR US NO 2 SOYBEANS				
	Bids	Change (¢/bu)	Basis	Change
Emporia	9.5375	DN 14.25	10X	DN 15
Wichita	9.4375	UP 0.75	OptX	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
Richard Hruska 620-227-8881 DodgeCity.LPGMN@ams.usda.gov

Western Kansas Grain Markets

Thursday's closing elevator grain bids:

HRW WHEAT ORD US NO 1				
	Bids	Change (¢/bu)	Basis	Change
Dodge City	2.62	UP 10.25	-145Z	DN 25
Colby	2.68	UP 11.25	-139Z	DN 24
Garden City	2.60-2.62	UP 8.5-UP 10.25	-120U to -145Z	UNCH-DN 25
Goodland	2.60	UP 8.25	-147Z	DN 27
Protection	2.67	UP 9	-140Z	UNCH
Scott City	2.60	UP 9	-147Z	UNCH
Sublette	2.70	UP 8.5	-110U	UNCH
Syracuse	2.67	UP 9	-140Z	UNCH
Ulysses	2.74	UP 9	-133Z	UNCH

US NO 2 YELLOW CORN				
	Bids	Change (¢/bu)	Basis	Change
Dodge City	2.79	UP 17.25	-45Z	DN 5
Colby	2.65	UP 18.25	-59Z	DN 4
Garden City	2.73-2.74	UP 9.5-UP 10.25	-38U to -50Z	UNCH-DN 12
Goodland	2.46	No Comp	-78Z	No Comp
Protection	2.79	UP 3.25	-45Z	DN 5
Scott City	2.66-2.69	UP 5.25-UP 3.25	-58Z to -55Z	DN 3-DN 5
Sublette	2.76-2.89	UP 9.5-UP 19.25	-35U to -35Z	UNCH-DN 3
Syracuse	2.79	UP 3.25	-45Z	DN 5
Ulysses	2.81	UP 8.25	-43Z	UNCH

US NO 2 SORGHUM				
	Bids	Change (¢/cwt)	Basis	Change
Dodge City	4.08	UP 30	-95Z	DN 5
Colby	4.14	UP 36	-92Z	DN 2
Garden City	3.82-3.98	UP 22-UP 17	-110Z to -88U	DN 10-UNCH
Goodland	NA	NA	NA	NA
Protection	4.08	UP 5	-95Z	DN 5
Scott City	3.73-3.76	UP 11-DN 18	-115Z to -113Z	DN 2-DN 18
Sublette	3.98-4.35	UP 20-UP 54	-88U to -80Z	UP 2-UP 8
Syracuse	4.08	UP 5	-95Z	DN 5
Ulysses	4.05	UP 15	-97Z	UNCH

US NO 2 YELLOW SOYBEANS				
	Bids	Change (¢/bu)	Basis	Change
Dodge City	8.54	UP 0.75	-90X	UNCH
Colby	NA	NA	NA	NA
Garden City	8.44-8.64	UP 0.75	-100X to -80X	UNCH
Protection	8.54	UP 0.75	-90X	UNCH
Scott City	8.44	UP 0.75	-100X	UNCH
Sublette	8.49-8.64	UP 0.75	-95X to -80X	UNCH
Ulysses	8.41	UP 0.75	-103X	UNCH

US NO 2 YELLOW CORN - FEEDMILL BID				
	Bids	Change (¢/bu)	Basis	Change
Ashland	NA	NA	NA	NA

US NO 2 SORGHUM - FEEDMILL BID				
	Bids	Change (¢/cwt)	Basis	Change
Ashland	4.62	UP 40	-65Z	UNCH

Cotton Grade 41, Leaf 4, Staple 34, West Texas base price 64.75 cents per pound
FOB Railcar or Truck

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

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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



USDA Daily Ethanol Report
Agricultural Marketing Service
Livestock, Poultry & Grain Market News



Thu. Sep 1, 2016

US #2 Yellow Corn - dollars/bushel

	Cash Bids	Chg	Basis	Avg:
Iowa-Eastern:	2.7350 - 3.0050	↑	-42Z to -15Z	-28.50
Iowa-Western:	2.6150 - 2.8850	↓	-40U to -27Z	-33.50
Illinois:	2.9350 - 3.2150	↓	-8U to 6Z	-1.00
Indiana:	2.9550 - 3.1750	↓	-20Z to 2Z	-9.00
Ohio:	2.9750 - 3.2150	↓	-18Z to 6Z	-6.00
Michigan:	2.8950 - 3.2350	↑	-12U to 8Z	-2.00
Kansas:	2.8050 - 3.0850	↓	-35Z to 5U	-15.00
Minnesota:	2.4650 - 2.7850	↓	-55U to -37Z	-46.00
Nebraska:	2.5950 - 2.9550	↓	-42U to -20Z	-31.00
Wisconsin:	2.6950 - 2.7950	↓	-46Z to -36Z	-41.00
South Dakota:	2.6050 - 2.8050	↓	-55Z to -35Z	-45.00
Missouri:	2.7050 - 2.8650	↓	-45Z to -15U	-30.00

Distillers Grain - dollars/ton

	Dried 10%	Chg	Avg:	Modified 50-55%	Chg	Avg:	Wet 65-70%	Chg	Avg:
Iowa-Eastern:	115.00 - 120.00	↓	117.50	50.00 - 60.00	↓	55.00	NA	NA	NA
Iowa-Western:	106.00 - 128.00	↓	117.00	42.00 - 60.00	↓	51.00	30.00 - 36.00	↓	33.00
Illinois:	125.00 - 145.00	↓	135.00	NA	NA	NA	NA	NA	NA
Indiana:	124.00 - 135.00	↓	129.50	65.00	↓	65.00	NA	NA	NA
Ohio:	125.00 - 135.00	↓	130.00	NA	NA	NA	NA	NA	NA
Michigan:	115.00 - 137.00	↓	126.00	50.00 - 60.00	↓	55.00	NA	NA	NA
Kansas:	120.00 - 145.00	↓	132.50	NA	NA	NA	36.00 - 45.00	↓	40.50
Minnesota:	108.00 - 118.00	↓	113.00	50.00	↓	50.00	25.00 - 40.00	↓	32.50
Nebraska:	105.00 - 125.00	↓	115.00	45.00 - 59.00	↓	52.00	28.00 - 38.00	↓	33.00
Wisconsin:	115.00 - 125.00	↓	120.00	50.00 - 63.00	↓	56.50	NA	NA	NA
South Dakota:	103.00 - 118.00	↓	110.50	50.00 - 60.00	↓	55.00	32.00 - 40.00	↓	36.00
Missouri:	130.00 - 140.00	↓	135.00	65.00	↓	65.00	32.00 - 40.00	↓	36.00

Sorghum - dollars/bushel

	Cash Bids	Chg	Basis	Avg:
Kansas:	2.3650 - 2.4150	↓	-65U to -80U	-62.50
Missouri:	2.5050	↓	-65Z to -65Z	-65.00

Corn Oil - cents/pound

W/E 8/26/16	Range	Chg:	Avg:
Iowa:	26.00 - 29.00	↑	27.50
Eastern Cornbelt:	26.25 - 28.00	↑	27.13
Nebraska:	25.00 - 28.50	↑	26.75
South Dakota:	NA	NA	NA

Ethanol - dollars/gallon

W/E 8/26/16	Range	Chg:	Avg:
Iowa:	1.29 - 1.45	↑	1.37
Eastern Cornbelt:	1.41 - 1.46	↑	1.44
Kansas:	1.40 - 1.40	↑	1.40
Minnesota:	1.33 - 1.45	↑	1.39
Nebraska:	1.30 - 1.37	↑	1.34
Wisconsin:	NA	NA	NA
South Dakota:	1.33 - 1.45	↑	1.39

Daily Nearby Futures

	Today	Yesterday	Last year
CME group			
Corn (\$/bu)	3.0875	3.0150	3.5075
Ethanol (\$/gal)	1.4500	1.4150	1.4520
NYMEX:			
RBOB Gasoline (\$/gal)	1.2852	1.3334	1.4368
Natural Gas (mmBtu)	2.8050	2.8870	2.6430

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 26-30% 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

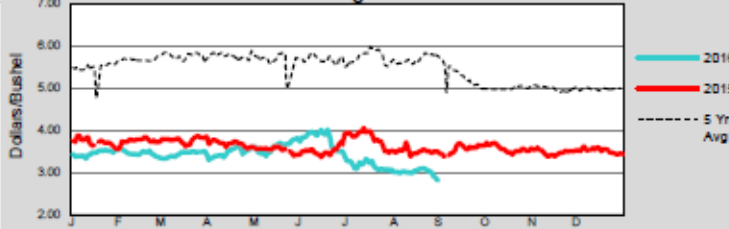
Dillian Howe, Ethanol Market Reporter St. Joseph, MO (816) 676-7000 Email: StJoe.LPGMN@ams.usda.gov

Prepared: 01-Sep-16 9:17 AM Central Time

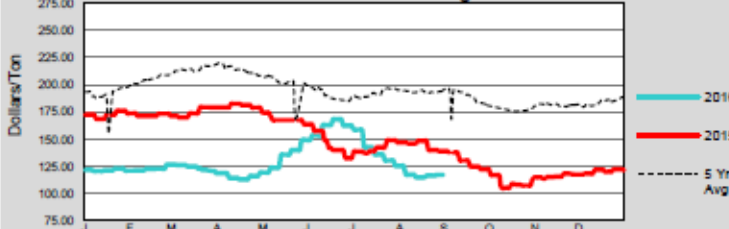
Daily Market Review

Distillers grains traded mostly steady in the Eastern Corn Belt late-week, with dry distillers seeing price declines of 2.00 to 5.00 in Nebraska, South Dakota, and Missouri. Last week corn shipments totaled 57.7 million bushels; however, this was not enough to meet USDA's export estimate by the end of August. Corn remains under bearish pressure, anticipating a 15 billion bushel crop.

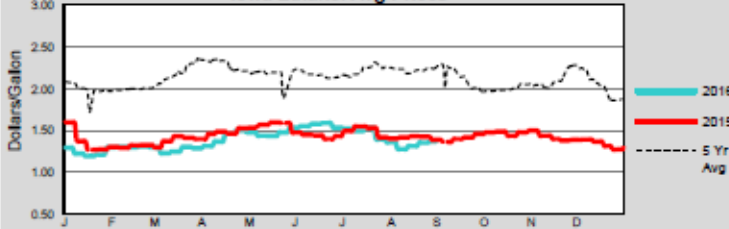
Iowa Corn Avg Prices



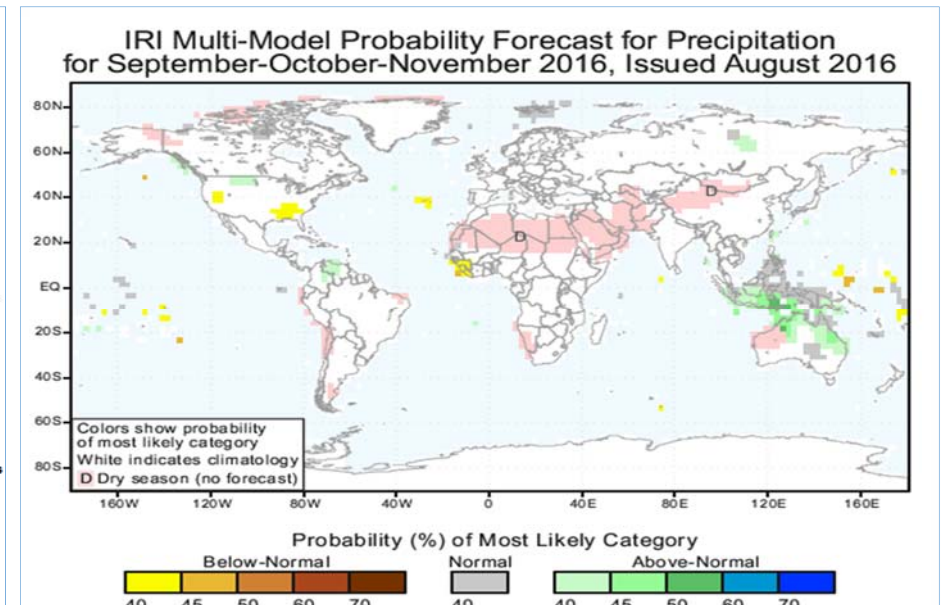
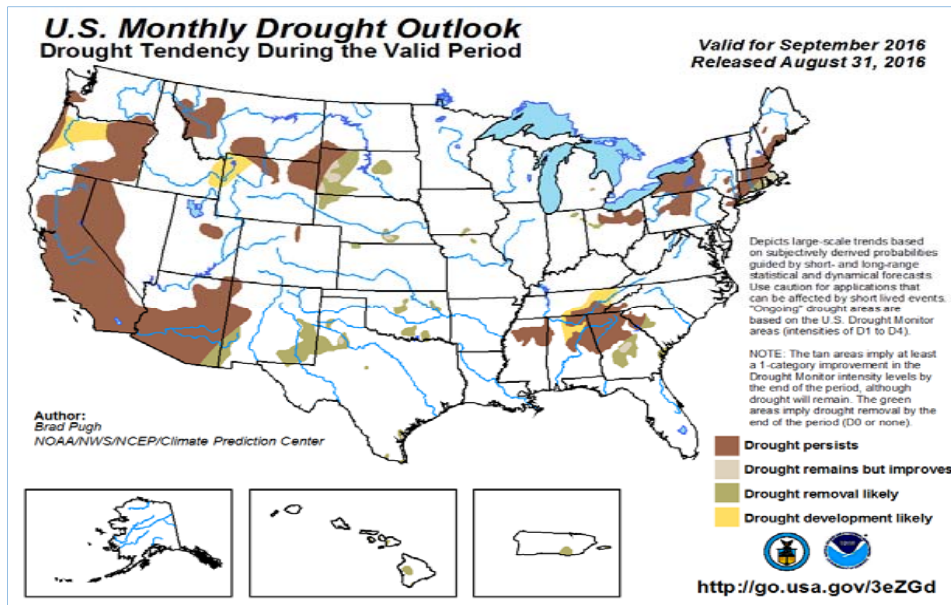
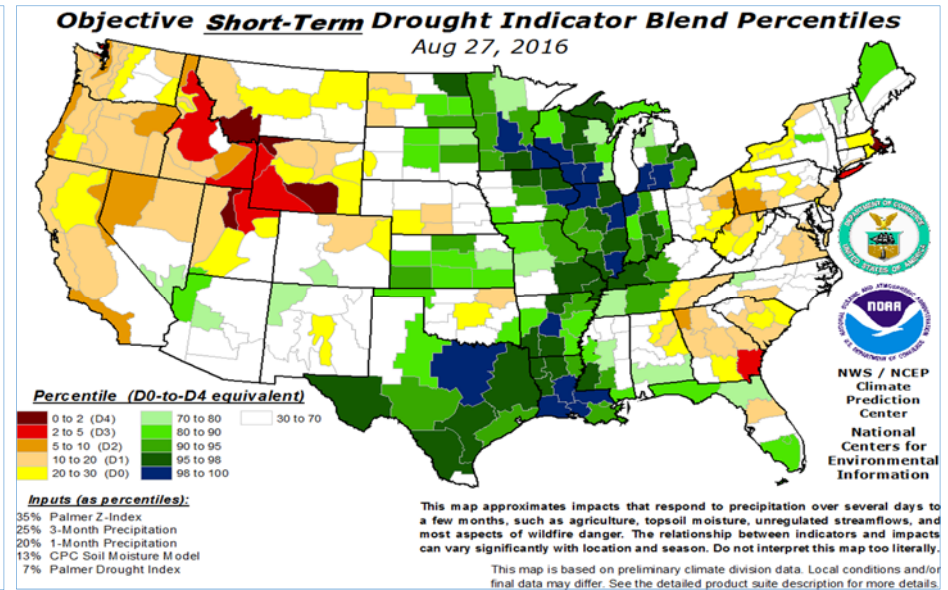
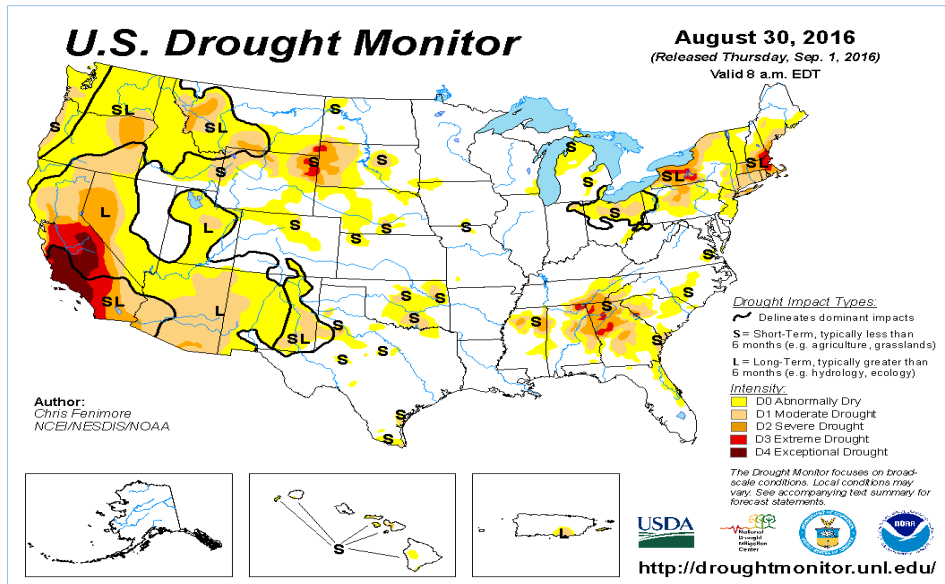
Iowa Distiller Grains 10% Moisture Avg Prices



Iowa Ethanol Avg Prices



II. U.S. & World Drought Monitor, Moisture Accumulations & Forecasts (Weekly Weather and Crop Bulletin)



Impacts

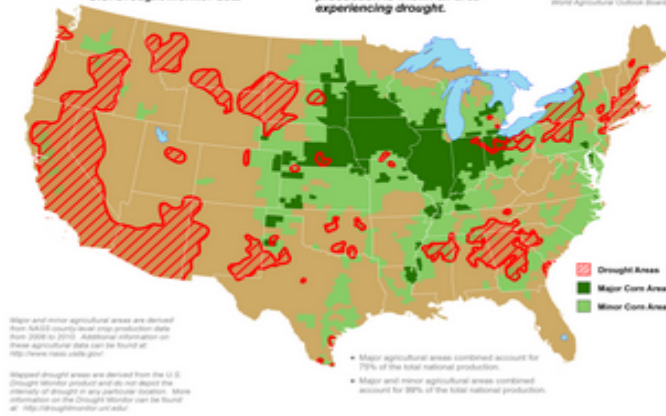
U.S. Corn Areas Experiencing Drought

Reflects August 23, 2016
U.S. Drought Monitor data

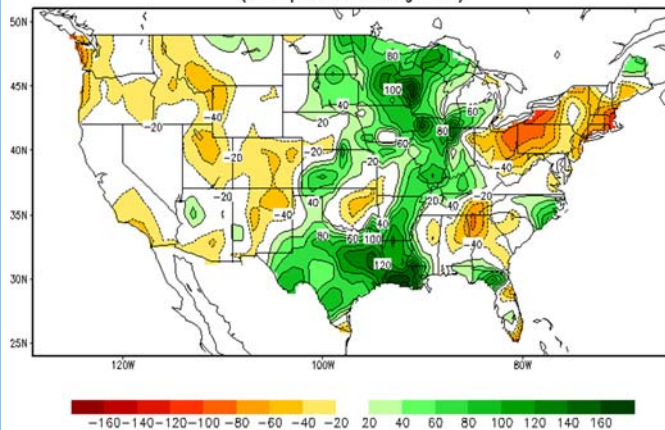
Approximately 4% of corn
production is within an area
experiencing drought.



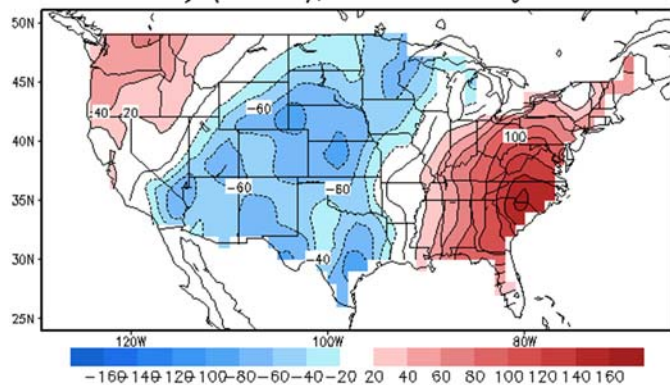
This product was prepared by the
USDA Office of the Chief Economist
World Agricultural Outlook Board



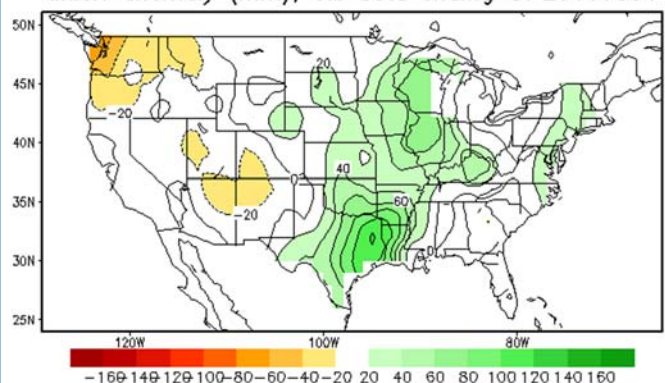
Predicted Soil Moisture Anomaly (mm) (08Sep2016-31Aug2016)



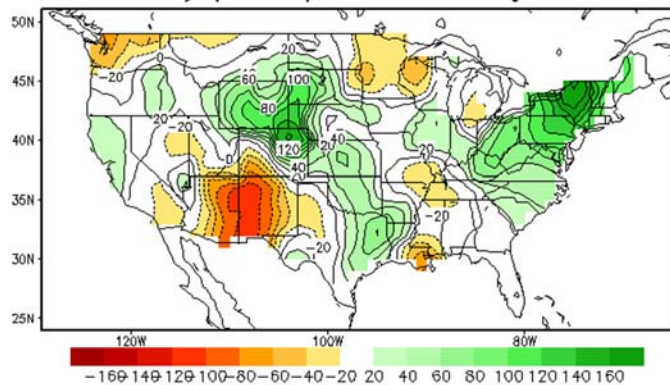
Lagged Averaged Temperature Outlook for SEP 2016 units: anomaly (sdX100), SM data ending at 20160831



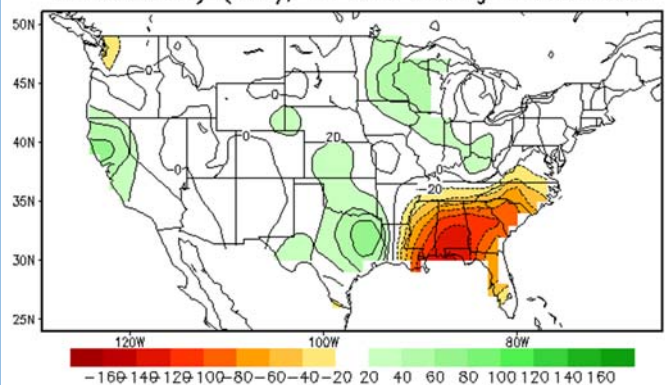
Lagged Averaged Soil Moisture Outlook for End of SEP2016 units: anomaly (mm), SM data ending at 20160831



Lagged Averaged Precipitation Outlook for SEP 2016 units: anomaly (sdX100), SM data ending at 20160831



Lagged Averaged Soil Moisture Outlook for End of NOV2016 units: anomaly (mm), SM data ending at 20160831



INTERNATIONAL CROP AND WEATHER HIGHLIGHTS

USDA/WAOB Joint Agricultural Weather Facility

August 30, 2016

EUROPE – Highlight: Summer Crop Maturation And Drydown Continued

- Early-week showers boosted soil moisture for winter crop planting over much of **eastern Europe**.
- Sunny skies and near- to above-normal temperatures favored the maturation of corn, sunflowers, and soybeans in **France, Germany, Spain, and Italy**.

MIDDLE EAST – Highlight: Summer Crop Harvesting Proceeded Without Delay

FSU – Highlight: Spring Wheat And Summer Crops Are Maturing

- Hot, mostly dry weather for much of the week promoted maturation and early harvesting of corn and sunflowers in **Moldova, Ukraine, and western Russia**.
- Heat and dryness further lowered yield prospects for filling spring wheat in **Russia's Volga District**, though conditions remained mostly good to excellent in **Kazakhstan** and **central Russia**.
- Seasonably hot, mostly dry weather favored cotton maturation in **Uzbekistan**.

SOUTH ASIA – Highlight: Heavy Showers For Western Cotton And Soybeans

- Heavy monsoon showers kept soybeans unfavorably wet in **western India**, while providing much-needed soil moisture to cotton in **Gujarat**.

EAST ASIA – Highlight: Hot, Scattered Showers

- Summer heat and scattered showers prevailed in **China**, as grains and oilseeds were filling (**northeast**) to maturing (**south**).
- Three tropical cyclones brought heavy showers to **northern Japan**, benefiting reproductive rice.

SOUTHEAST ASIA – Highlight: Favorable Rainfall For Rice

- Widespread showers in **Thailand and environs** eased lingering mid-summer dryness for rice nearing reproduction.
- In the **Philippines**, showers maintained adequate to abundant soil moisture and water supplies for rice and corn.

AUSTRALIA – Highlight: Beneficial Rain Continued

- In the **northeast**, soaking rains boosted moisture supplies for wheat and soon-to-be-sown summer crops.
- In the **southeast**, sunny skies and adequate soil moisture benefited winter grains and oilseeds.
- In **Western Australia**, widespread showers favored wheat, barley, and canola development.

SOUTH AMERICA – Highlight: Dry Weather Supported Argentine Fieldwork; Rain In Southern Brazil

- Dry weather aided late-season corn harvesting in **Argentina**.
- Rain kept winter wheat unfavorably wet in **Parana, Brazil**.

MEXICO – Highlight: Seasonal Rain Maintained Overall Favorable Conditions For Rain-Fed Summer Crops

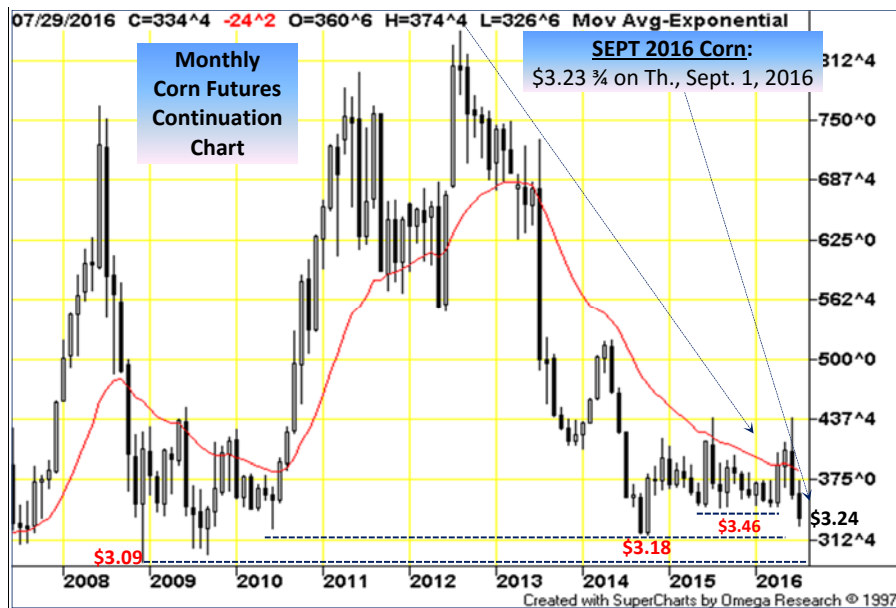
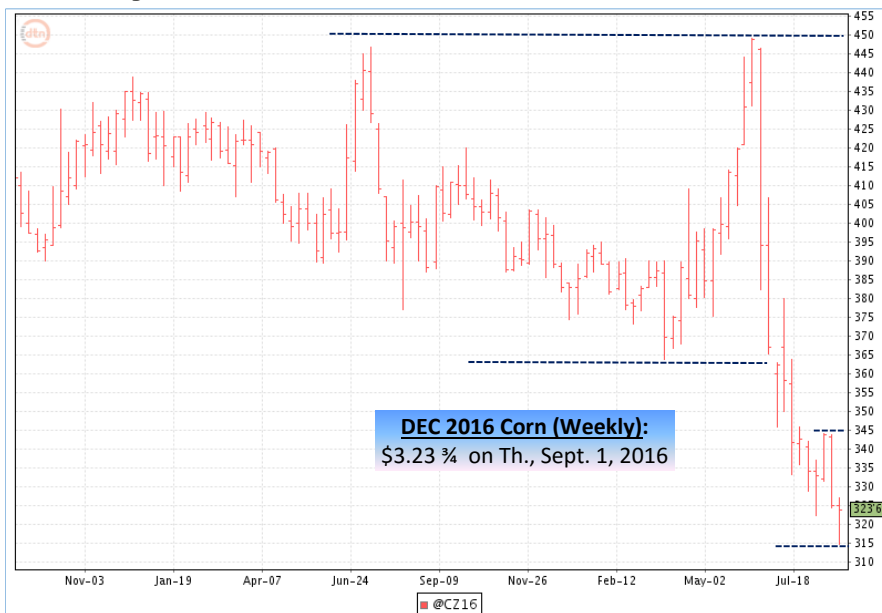
- Rain benefited corn and other rain-fed summer crops throughout **southern Mexico**.

CANADA – Highlight: Conditions Favored Harvesting On The Southern Prairies

- Dry, generally warm weather favored spring grain and oilseed harvesting in the **southern Prairies**, but locally heavy showers were untimely for maturing stands in **northern farming areas**.

III. Corn Market Information

Weekly DEC 2016 Corn Futures



Key Corn & Grain Sorghum Supply-Demand Factors:

❖ U.S. Corn Exports: "Negative" short term MY 2015/16 U.S. corn export shipments with "positive" long term outlook

- Weekly Export Shipments week of 8/25/2016 for MY 2015/16 = 57.65 mb vs 131.2 mb/wk needed to meet USDA's August 12th projn of 1.900 bb exports
- Total shipments through 8/25/2016 for MY 2015/16 = 1.794 bb i.e., 93.2% of 1.925 bb USDA projn with 98.1% of MY complete (51/52 weeks)
- Total shipments & new sales (8/25/2016) for "current" MY 2015/16 = 1.972 bb i.e., 102.4% of 1.925 bb USDA projn w. 98.1% of MY complete (51/52 weeks)
- Total sales (8/25/2016) for "new crop" MY 2016/17 = 0.465 bb i.e., 21.4% of 2.175 bb USDA projn w. 0.0% of MY complete (0/52 weeks)

❖ U.S. Grain Sorghum Exports: "Negative" short term MY 2015/16 Export Shipments & "neutral" long term

- Weekly Export Shipments wk of 8/25/2016 for MY 2015/16 = 5.7 mb vs 38.6 mb/wk needed to meet USDA's August 12th projn of 330 mb exports
- Total shipments through 8/25/2016 for MY 2015/16 = 306.4 mb i.e., 88.8% of 345 mb USDA projn with 98.1% of MY complete (51/52 weeks)
- Total shipments & new sales (8/25/2016) for "current" MY 2015/16 = 323.5 mb i.e., 93.75% of 345 mb USDA projn w. 98.1% of MY complete (51/52 weeks)
- Total new sales (8/25/2016) for "new crop" MY 2016/17 = 9.342 mb i.e., 3.7% of 250 mb USDA projn w. 0.0% of MY complete (0/52 weeks)

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

Mktg Yr	World % S/U	U.S. % S/U	U.S. \$/bu	
2007/08	16.5% S/U	12.8% S/U	\$4.20 /bu	
2008/09	18.3% S/U	13.9% S/U	\$4.06 /bu	
2009/10	17.2% S/U	13.1% S/U	\$3.55 /bu	
2010/11	14.5% S/U	8.7% S/U	\$5.18 /bu	
2011/12	14.8% S/U	7.9% S/U	\$6.22 /bu	
2012/13	15.3% S/U	7.4% S/U	\$6.89 /bu	
2013/14	18.6% S/U	9.2% S/U	\$4.46 /bu	
2014/15 ^{USDA}	21.2% S/U	12.6% S/U	\$3.70 /bu	
2015/16 ^{USDA}	21.9% S/U	12.5% S/U	\$3.60 /bu	13.601 bln bu crop
2016/17 ^{USDA}	21.7% S/U	16.6% S/U	\$3.15 /bu	15.153 bln bu crop

❖ U.S. Grain Sorghum Supply-Demand Fundamentals

2014/15 ^{USDA}	67.6 bu/ac ^{US}	4.0% S/U	\$4.03 /bu	433 mln bu crop
2015/16 ^{USDA}	76.0 bu/ac ^{US}	6.0% S/U	\$3.30 /bu	597 mln bu crop
2016/17 ^{USDA}	73.5 bu/ac ^{US}	11.1% S/U	\$3.00 /bu	475 mln bu crop

Table 1. U.S. Corn Supply-Demand Balance Sheet: MY 2010/11 – “New Crop” MY 2016/17 as of August 12, 2016 USDA WASDE with KSU projections for “New Crop” MY 2016/17

Item	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	USDA 2016/17	KSU ↑ Beg Stks & ↓ 2016 Corn Crop 2016/17	KSU ↓ Production (Lower IA, IL, IN, MN, NE, OH, SD Corn Prodn.) 2016/17	KSU “Much” ↓↓ Production (Smaller All-U.S. Corn Crop) 2016/17
% Probability of Occurring (KSU)							20%	35%	35%	10%
Planted Area (million acres)	88.192	91.936	97.291	95.365	90.597	87.999	94.148	94.148	94.148	94.148
Harvested Area (million acres)	81.446	83.879	87.365	87.451	83.136	80.749	86.550	86.550	86.550	86.550
% Harvested/Planted Area	92.4%	91.2%	89.8%	91.7%	91.8%	91.8%	91.9%	91.9%	91.9%	91.9%
Yield / harvested acre (bu/ac)	152.6	146.8	123.1	158.1	171.0	168.4	175.1	**172.0	**168.0	**164.0
Million Bushels										
Beginning Stocks (million bushels)	1,708	1,128	989	821	1,232	1,731	1,706	1,806	1,806	1,806
Production (million bu.)	12,425	12,314	10,755	13,829	14,216	13,601	15,153	14,887	14,540	14,194
Imports (million bu.)	28	29	160	36	32	65	50	50	50	50
Total Supply (million bu.)	14,161	13,471	11,904	14,686	15,479	15,397	16,909	16,743	16,396	16,137
Ethanol for fuel Use (million bu.)	5,019	5,000	4,641	5,124	5,200	5,200	5,275	5,275	5,250	5,225
Food & Industrial Use (mln bu.)	1,384	1,400	1,372	1,347	1,338	1,336	1,346	1,346	1,340	1,335
Seed Use (million bu.)	29.6	31.0	31.0	29.7	29.3	30.6	28.9	29	29	29
Exports (million bu.)	1,831	1,539	730	1,920	1,867	**1,925	2,175	2,175	2,150	2,125
Feed & Residual Use (million bu.)	4,770	4,512	4,309	5,033	5,314	5,200	5,675	5,625	5,575	5,525
Total Use (million bu.)	13,033	12,482	11,083	13,454	13,748	13,692	14,500	14,450	14,344	14,239
Ending Stocks (million bu.)	1,128	989	821	1,232	1,731	1,706	2,409	2,293	2,052	1,898
% Ending Stocks-to-Use	8.65%	7.92%	7.41%	9.16%	12.64%	12.46%	16.61%	15.87%	14.31%	13.33%
U.S. Corn Average Farm Price (\$/bushel)	\$5.18	\$6.22	\$6.89	\$4.46	\$3.70	\$3.55- \$3.65 (\$3.60)	\$2.85- \$3.45 (\$3.15)	\$3.25	\$3.45	\$3.60

Figure 5. United States' Corn Yield Trend for 1973-2016 as of the August 12, 2016 USDA WASDE

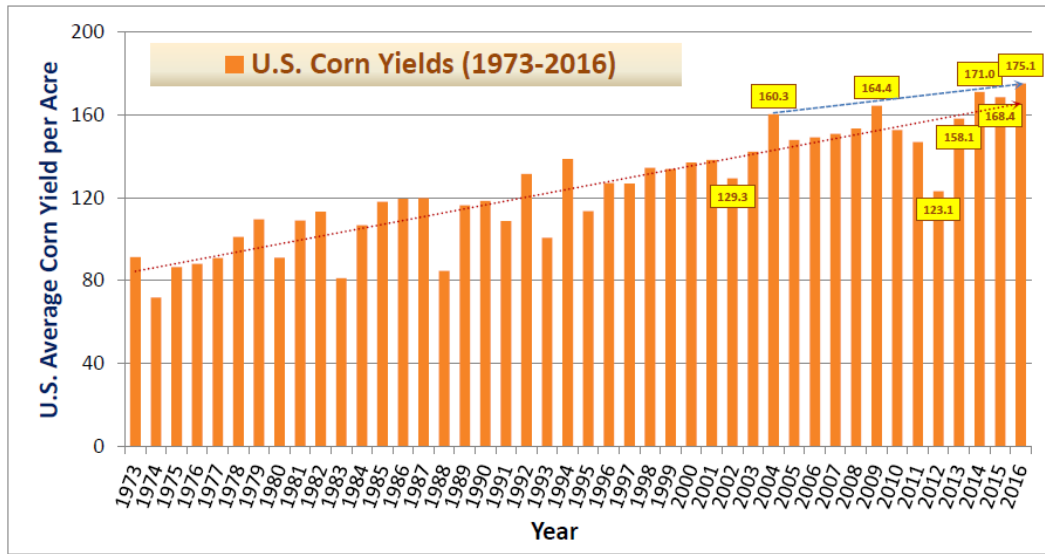


Figure 6. United States' Corn Production & Total Supplies: MY 2004/05 through MY 2016/17 as of the August 12, 2016 USDA WASDE

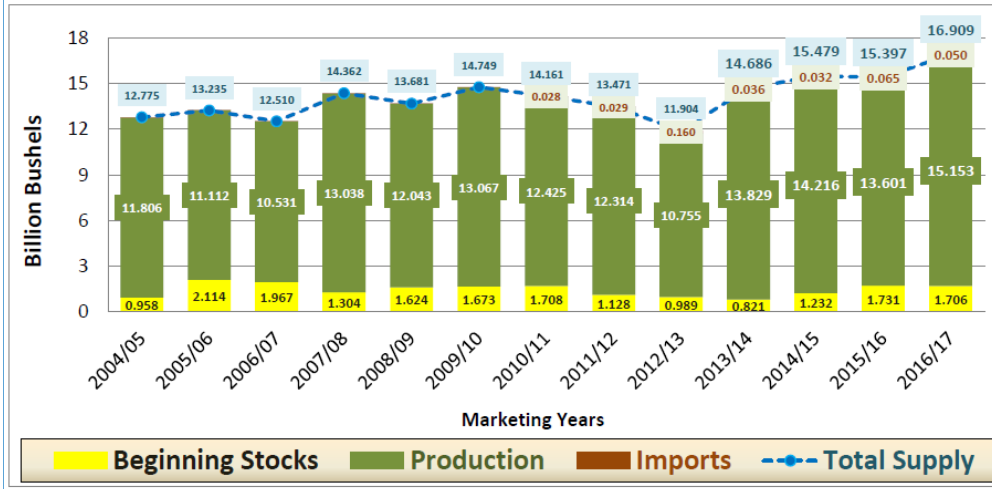


Figure 7. United States' Corn Use & Ending Stocks: MY 2004/05 through MY 2016/17 as of the August 12th USDA WASDE Report

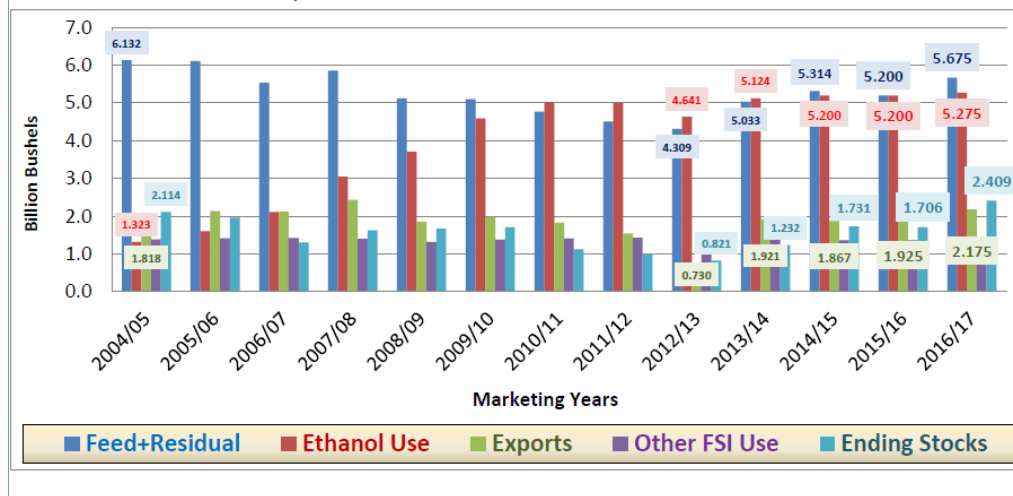


Figure 8. Weekly U.S. Oxygenate Plant Production of Fuel Ethanol & Estimated Corn Use

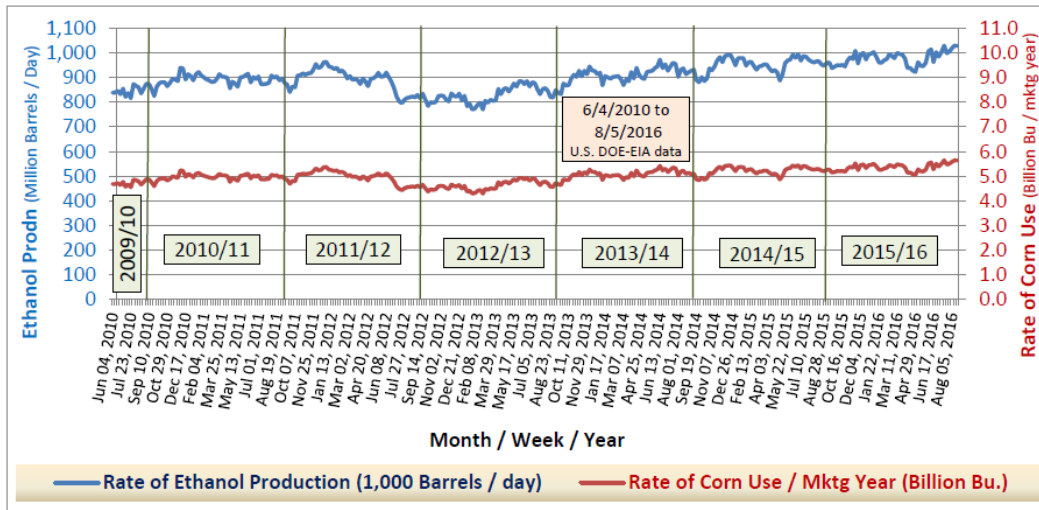


Figure 10. United States' Corn Percent Ending Stocks vs U.S. Average Cash Corn Prices: MY 2000/01 – "New Crop" MY 2016/17, as of the August 12, 2016 USDA WASDE

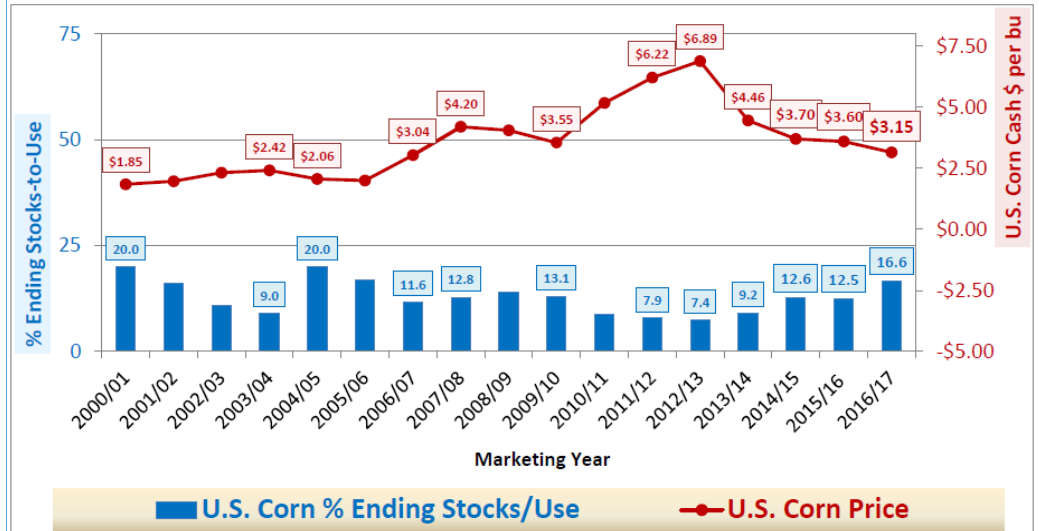
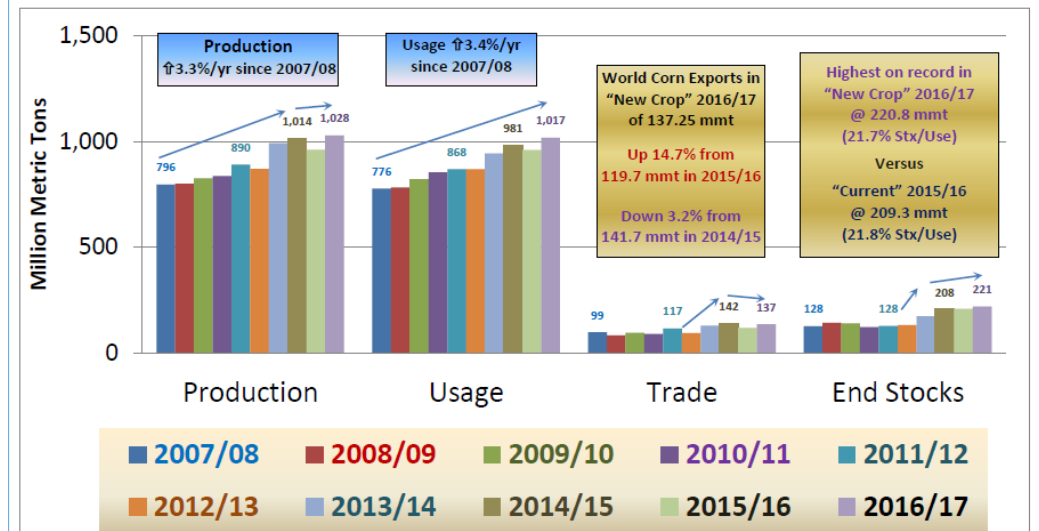
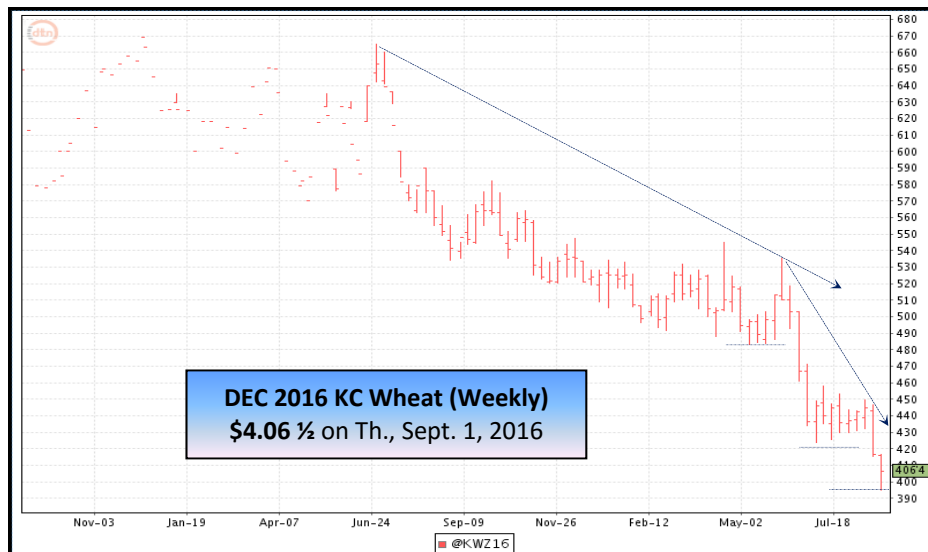


Figure 12. World Corn Supply-Demand: MY 2007/08 thru MY 2016/17 as of the August 12, 2016 USDA WASDE Report



IV. Wheat Market Outlook

Weekly DEC 2016 HRW Futures



Monthly Kansas HRW Wheat eFutures



Key Wheat Supply-Demand Factors:

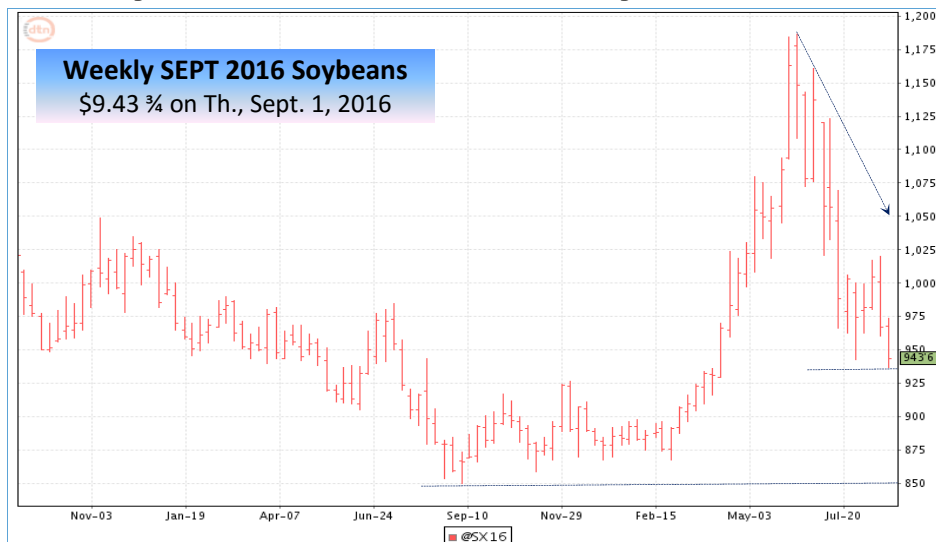
- ❖ **U.S. All Wheat Exports: "Positive" Short Term Export Shipments** with "positive" long run export prospects in "new crop" MY 2016/17 (Started 6/1/2016)
 - Weekly Export Shipments wk of 8/25/2016 for "new crop" MY 2016/17 = 21.8 mb vs 18.5 mb /wk needed to meet USDA's August 12th projn of 950 mb exports
 - Total shipments through 8/25/2016 for "new crop" MY 2016/17 = 228.8 mb i.e., 24.1% of 950 mb USDA projn with 25.0% of MY complete (13/52 weeks)
 - Total shipments + new sales 8/25/2016 for "new crop" MY 2016/17 = 435.2 mb i.e., 45.8% of 950 mb USDA projn with 25.0% of MY complete (13/52 weeks)
- ❖ **U.S. HRW Wheat Exports: "Positive" Short Term Export Shipments** with "neutral-positive" long run export prospects in "new crop" MY 2016/17 (Started 6/1/2016)
 - Weekly Export Shipments wk of 8/25/2016 for "new crop" MY 2016/17 = 8.87 mb vs 6.2 mb /wk needed to meet USDA's August 12th projn of 340 mb exports
 - Total shipments through 8/25/2016 for "new crop" MY 2016/17 = 97.7 mb i.e., 28.7% of 340 mb USDA projn with 25.0% of MY complete (13/52 weeks)
 - Total shipments + new sales 8/25/2016 for "new crop" MY 2016/17 = 177.7 mb i.e., 52.2% of 340 mb USDA projn with 25.0% of MY complete (13/52 weeks)

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

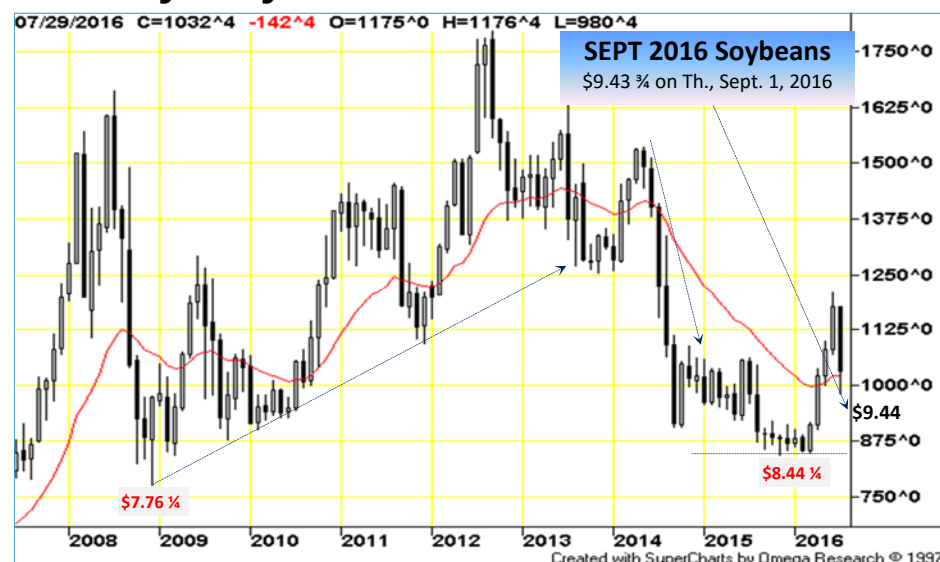
Mktg Yr	World % S/U	U.S. % S/U	U.S. \$/bu	
2007/08	20.9% S/U	13.2% S/U	\$6.48 /bu	1,263 mb exports
2008/09	26.6% S/U	28.7% S/U	\$6.78 /bu	1,015 mb exports
2009/10	31.3% S/U	48.6% S/U	\$4.87 /bu	879 mb exports
2010/11	30.4% S/U	36.4% S/U	\$5.70 /bu	1,291 mb exports
2011/12	28.7% S/U	33.4% S/U	\$7.24 /bu	1,051 mb exports
2012/13	25.8% S/U	29.9% S/U	\$7.77 /bu	1,012 mb exports
2013/14	28.1% S/U	24.2% S/U	\$6.87 /bu	1,176 mb exports
2014/15	30.6% S/U	37.3% S/U	\$5.99/bu	864 mb exports
2015/16 ^{USDA}	34.1% S/U	50.7% S/U	\$4.89 /bu	775 mb exports
2016/17 ^{USDA}	34.5% S/U	47.5% S/U	\$3.70 /bu	950 mb exports

V. Soybean Market Outlook

Weekly SEPTEMBER 2016 Soybean Futures



Monthly Soybean eFutures



Key Soybean Supply-Demand Issues:

❖ U.S. Soybean Exports: "neutral-negative" Short Run Export Shipments in MY 2015/16 and "positive" Forward Sales

- o Export Shipments for week of 8/25/2016 for "current" MY 2015/16 = 41.1 mb vs 49.0 mb/wk needed to meet USDA's August 12th projn of 1.880 bb exports
- o Total shipments through 8/25/2016 for "current" MY 2015/16 = 1.831 bb i.e., 97.3% of 1.880 bb USDA projn with 98.1% of MY complete (51/52 weeks)
- o Total shipments & new sales (8/25/2016) for "current" MY 2015/16 = 1.942 bb i.e., 103.3% of 1.880 bb USDA projn with 98.1% of MY complete (51/52 weeks)
- o Total new sales (8/25/2016) for "new crop" MY 2016/17 = 0.689 bb i.e., 35.3% of 1.950 bb USDA projn with 0.0% of MY complete (0/52 weeks)

❖ U.S. Soybean Meal Exports: "Negative" Short Run Export Shipments in MY 2015/16 and "neutral-positive" Forward Sales

- o Export Shipments for week of 8/25/2016 for "current" MY 2015/16 = 177,600 mt vs 271,000 mt/wk needed to meet USDA's August 12th projn of 10.705 mmt exports
- o Total shipments through 8/25/2016 for "current" MY 2015/16 = 9.350 mmt i.e., 85.7% of 10.705 mmt USDA projn with 90.3% of MY complete (47/52 weeks)
- o Total shipments & new sales (8/25/2016) for "current" MY 2015/16 = 10.580 mmt i.e., 98.8% of 10.705 mmt USDA projn with 90.3% of MY complete (47/52 weeks)
- o Total new sales (8/25/2016) for "new crop" MY 2016/17 = 1.737 mmt i.e., 15.6% of 11.158 USDA projn with 0.0% of MY complete (0/52 weeks)

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

Mktg Yr	World % S/U	U.S. % S/U	U.S. \$/bu	
2007/08	22.9% S/U	6.7% S/U	\$10.10 /bu	1.159 bb expts
2008/09	19.4% S/U	4.5% S/U	\$ 9.97 /bu	1.279 bb expts
2009/10	25.2% S/U	4.5% S/U	\$ 9.59 /bu	1.499 bb expts
2010/11	27.8% S/U	6.6% S/U	\$11.30 /bu	1.505 bb expts
2011/12	20.4% S/U	5.4% S/U	\$12.50 /bu	1.365 bb expts
2012/13	21.1% S/U	4.5% S/U	\$14.40 /bu	1.328 bb expts
2013/14	22.5% S/U	2.7% S/U	\$13.00 /bu	1.638 bb expts
2014/15	26.0% S/U	5.0% S/U	\$10.10 /bu	1.842 bb expts
2015/16 ^{USDA}	22.8% S/U	6.6% S/U	\$8.95 /bu	1.880 bb expts
2016/17 ^{USDA}	20.1% S/U	8.2% S/U	\$9.10 /bu	1.950 bb expts

VI. USDA NASS Crop Progress & Conditions



Crop Progress

ISSN: 1948-3007

Released August 29, 2016, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Corn Dough – Selected States

[These 18 States planted 93% of the 2015 corn acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Colorado	79	56	80	77
Illinois	94	89	95	95
Indiana	86	84	95	88
Iowa	93	90	94	86
Kansas	92	87	92	93
Kentucky	83	80	88	83
Michigan	83	67	78	77
Minnesota	94	90	95	82
Missouri	93	93	97	94
Nebraska	89	87	95	92
North Carolina	98	98	100	98
North Dakota	88	71	84	77
Ohio	84	77	86	83
Pennsylvania	86	65	78	75
South Dakota	87	83	91	88
Tennessee	98	97	99	98
Texas	89	96	100	91
Wisconsin	81	72	85	71
18 States	90	85	92	87

Corn Dented – Selected States

[These 18 States planted 93% of the 2015 corn acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Colorado	52	20	45	32
Illinois	68	47	68	66
Indiana	46	44	62	49
Iowa	50	45	65	54
Kansas	63	51	64	64
Kentucky	65	63	74	67
Michigan	26	15	33	27
Minnesota	56	31	58	42
Missouri	71	63	79	76
Nebraska	53	42	61	56
North Carolina	92	92	95	93
North Dakota	41	19	41	28
Ohio	46	26	44	39
Pennsylvania	51	25	47	42
South Dakota	43	23	45	39
Tennessee	82	81	90	86
Texas	68	70	74	77
Wisconsin	34	25	50	27
18 States	54	40	60	52

Corn Dented – Selected States

[These 18 States planted 93% of the 2015 corn acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Colorado	52	20	45	32
Illinois	68	47	68	66
Indiana	46	44	62	49
Iowa	50	45	65	54
Kansas	63	51	64	64
Kentucky	65	63	74	67
Michigan	26	15	33	27
Minnesota	56	31	58	42
Missouri	71	63	79	76
Nebraska	53	42	61	56
North Carolina	92	92	95	93
North Dakota	41	19	41	28
Ohio	46	26	44	39
Pennsylvania	51	25	47	42
South Dakota	43	23	45	39
Tennessee	82	81	90	86
Texas	68	70	74	77
Wisconsin	34	25	50	27
18 States	54	40	60	52

Corn Mature – Selected States

[These 18 States planted 93% of the 2015 corn acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Colorado	1	(NA)	-	1
Illinois	16	1	7	16
Indiana	2	2	8	7
Iowa	2	(NA)	4	8
Kansas	14	7	15	23
Kentucky	25	18	33	31
Michigan	-	(NA)	-	2
Minnesota	1	(NA)	-	1
Missouri	16	6	21	29
Nebraska	1	(NA)	5	7
North Carolina	75	68	81	77
North Dakota	-	(NA)	1	2
Ohio	1	(NA)	4	2
Pennsylvania	4	(NA)	2	6
South Dakota	2	(NA)	5	3
Tennessee	20	16	43	34
Texas	56	57	65	64
Wisconsin	1	(NA)	3	1
18 States	8	(NA)	9	11

- Represents zero.

(NA) Not available.

Corn Condition – Selected States: Week Ending August 28, 2016

[National crop conditions for selected States are weighted based on 2015 planted acreage]

State	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Colorado	1	2	18	65	14
Illinois	1	2	12	58	27
Indiana	3	6	19	52	20
Iowa	1	3	13	57	26
Kansas	1	6	25	56	12
Kentucky	2	5	18	57	18
Michigan	3	11	28	46	12
Minnesota	1	3	11	59	26
Missouri	2	5	17	55	21
Nebraska	1	5	19	59	16
North Carolina	2	7	25	50	16
North Dakota	1	4	17	62	16
Ohio	6	14	35	39	6
Pennsylvania	4	14	30	39	13
South Dakota	5	13	30	44	8
Tennessee	2	7	24	43	24
Texas	2	11	31	45	11
Wisconsin	1	2	10	43	44
18 States	2	5	18	54	21
Previous week	2	5	18	54	21
Previous year	3	7	22	49	19

Soybeans Setting Pods – Selected States

[These 18 States planted 95% of the 2015 soybean acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Arkansas	95	97	98	95
Illinois	92	89	94	94
Indiana	93	89	94	93
Iowa	94	92	96	94
Kansas	78	71	82	79
Kentucky	81	73	84	80
Louisiana	98	98	99	99
Michigan	96	87	92	96
Minnesota	99	95	97	95
Mississippi	94	92	94	97
Missouri	62	71	84	78
Nebraska	95	92	96	96
North Carolina	77	75	84	75
North Dakota	99	94	98	98
Ohio	94	92	95	94
South Dakota	94	94	96	95
Tennessee	88	87	91	90
Wisconsin	94	94	98	92
18 States	91	89	94	92

Soybeans Dropping Leaves – Selected States

[These 18 States planted 95% of the 2015 soybean acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Arkansas	17	4	15	14
Illinois	1	(NA)	-	1
Indiana	2	1	5	5
Iowa	1	(NA)	-	1
Kansas	5	1	2	4
Kentucky	1	(NA)	2	5
Louisiana	55	24	38	41
Michigan	-	(NA)	-	1
Minnesota	2	(NA)	-	2
Mississippi	40	10	21	24
Missouri	1	(NA)	-	1
Nebraska	9	2	8	4
North Carolina	6	(NA)	5	2
North Dakota	28	6	13	12
Ohio	2	(NA)	4	5
South Dakota	15	7	14	12
Tennessee	3	(NA)	3	5
Wisconsin	1	(NA)	2	-
18 States	8	(NA)	5	5

Soybean Condition – Selected States: Week Ending August 28, 2016

[National crop conditions for selected States are weighted based on 2015 planted acreage]

State	Very poor	Poor	Fair	Good	Excellent
	(percent)	(percent)	(percent)	(percent)	(percent)
Arkansas	8	9	25	44	14
Illinois	2	4	16	56	22
Indiana	2	5	18	55	20
Iowa	1	3	14	58	24
Kansas	1	4	27	55	13
Kentucky	2	5	20	57	16
Louisiana	4	10	28	52	6
Michigan	2	8	26	52	12
Minnesota	1	3	16	57	23
Mississippi	1	6	21	45	27
Missouri	2	4	21	55	18
Nebraska	1	3	19	61	16
North Carolina	1	7	28	50	14
North Dakota	2	5	19	60	14
Ohio	3	10	33	45	9
South Dakota	3	10	28	50	9
Tennessee	-	4	17	49	30
Wisconsin	1	2	11	48	38
18 States	2	5	20	55	18
Previous week	2	5	21	54	18
Previous year	3	8	26	48	15

Cotton Setting Bolls – Selected States

[These 15 States planted 99% of the 2015 cotton acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Alabama	97	97	98	94
Arizona	98	95	98	99
Arkansas	100	100	100	100
California	98	90	100	97
Georgia	98	96	98	97
Kansas	74	50	65	77
Louisiana	100	99	100	100
Mississippi	95	90	93	98
Missouri	83	78	83	95
North Carolina	97	93	97	98
Oklahoma	91	72	81	86
South Carolina	99	92	97	92
Tennessee	90	97	100	95
Texas	86	92	95	92
Virginia	96	92	95	98
15 States	91	92	95	94

Cotton Bolls Opening – Selected States

[These 15 States planted 99% of the 2015 cotton acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Alabama	29	16	29	17
Arizona	49	45	50	54
Arkansas	19	16	23	24
California	11	-	4	16
Georgia	26	18	30	24
Kansas	8	2	7	10
Louisiana	49	44	63	56
Mississippi	40	18	30	31
Missouri	10	1	3	14
North Carolina	24	11	20	15
Oklahoma	9	4	9	14
South Carolina	25	2	13	17
Tennessee	12	9	17	19
Texas	16	17	22	22
Virginia	20	5	10	15
15 States	20	16	23	23

Sorghum Headed – Selected States

[These 11 States planted 98% of the 2015 sorghum acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Arkansas	100	100	100	100
Colorado	89	89	92	82
Illinois	91	82	85	92
Kansas	94	90	96	85
Louisiana	100	100	100	100
Missouri	94	87	93	93
Nebraska	99	95	99	95
New Mexico	73	56	75	55
Oklahoma	91	85	90	81
South Dakota	95	96	96	97
Texas	95	88	94	93
11 States	94	89	95	88

Sorghum Coloring – Selected States

[These 11 States planted 98% of the 2015 sorghum acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Arkansas	96	92	99	95
Colorado	36	27	39	36
Illinois	68	63	73	63
Kansas	42	32	50	30
Louisiana	100	100	100	100
Missouri	60	44	57	52
Nebraska	39	44	74	36
New Mexico	11	24	29	9
Oklahoma	49	45	51	49
South Dakota	42	43	53	47
Texas	74	76	78	78
11 States	55	52	62	51

Sorghum Mature – Selected States

[These 11 States planted 98% of the 2015 sorghum acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Arkansas	73	76	90	62
Colorado	2	-	1	4
Illinois	4	3	20	4
Kansas	2	1	3	2
Louisiana	94	93	97	95
Missouri	11	3	7	11
Nebraska	-	-	2	-
New Mexico	-	-	2	-
Oklahoma	15	11	17	15
South Dakota	2	3	8	2
Texas	64	68	74	71
11 States	28	29	33	30

Sorghum Harvested – Selected States

[These 11 States harvested 98% of the 2015 sorghum acreage]

State	Week ending			2011-2015 Average
	August 28, 2015	August 21, 2016	August 28, 2016	
	(percent)	(percent)	(percent)	(percent)
Arkansas	31	4	18	27
Colorado	-	(NA)	-	-
Illinois	-	(NA)	-	-
Kansas	-	(NA)	-	-
Louisiana	76	70	80	77
Missouri	1	(NA)	-	-
Nebraska	-	(NA)	-	-
New Mexico	-	(NA)	-	-
Oklahoma	1	(NA)	1	3
South Dakota	-	(NA)	-	-
Texas	48	46	47	58
11 States	19	(NA)	18	23