

KSU Agriculture Today Radio Notes

Daniel O'Brien, Extension Agricultural Economist, Kansas State University

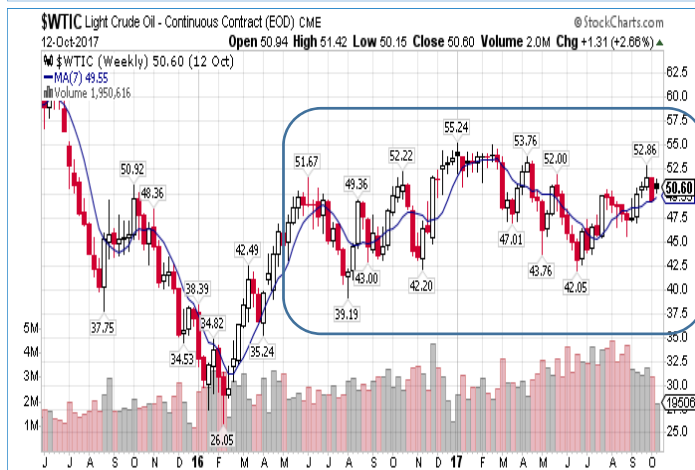
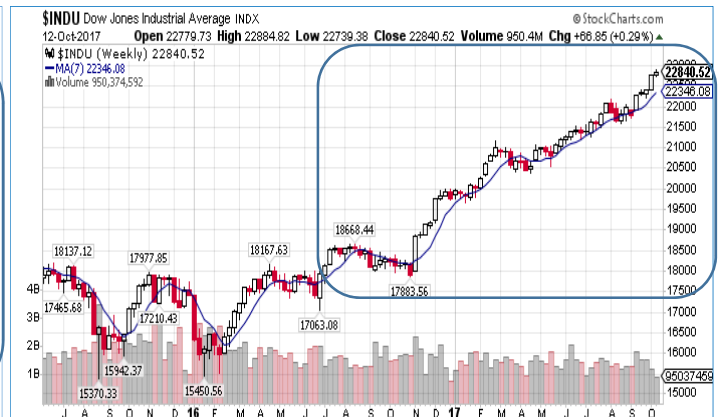
For Radio Program to be aired 10:00-10:15 a.m., Friday, October 13, 2017

I. Grain Futures Closes, Changes & Carry on Thursday, October 12, 2017

Corn Futures				Soybean Futures				Kansas HRW Wheat Futures			
Month	Close	Change	Carry /mo	Month	Close	Change	Carry /mo	Month	Close	Change	Carry /mo
Dec 17	\$3.49	↑ \$0.03	---	Nov 17	\$ 9.92	↑ \$0.2675	---	Dec 17	\$4.26 ¼	↓ \$0.02	---
Mar 18	\$3.62 ¾	↑ \$0.0325	\$0.04 ⁵⁸	Jan 18	\$10.02 ½	↑ \$0.2650	\$0.05 ²⁵	Mar 18	\$4.44 ½	↓ \$0.02	\$0.06 ⁰⁸³
May 18	\$3.71 ¾	↑ \$0.0375	\$0.04 ⁵⁰	Mar 18	\$10.12	↑ \$0.2650	\$0.04 ⁷⁵	May 18	\$4.58 ¾	↓ \$0.02	\$0.07 ¹²⁵
July 18	\$3.79 ¼	↑ \$0.0350	\$0.03 ⁷⁵	May 18	\$10.21 ¼	↑ \$0.2625	\$0.04 ⁶²⁵	July 18	\$4.76 ¾	↓ \$0.0225	\$0.09
Sept 18	\$3.86	↑ \$0.03	\$0.03 ³⁷⁵	July 18	\$10.29 ½	↑ \$0.2575	\$0.04 ¹²⁵	Sept 18	\$4.95 ½	↓ \$0.0225	\$0.09 ³⁷⁵
Dec 18	\$3.94 ¾	↑ \$0.0250	\$0.02 ⁹¹⁷	Aug 18	\$10.29 ¼	↑ \$0.25	No Carry	Dec 18	\$5.23	↓ \$0.02	\$0.09 ¹⁶⁷
Mar 19	\$4.03 ¾	↑ \$0.0225	\$0.03	Sept 18	\$10.17 ¼	↑ \$0.23	No Carry	Mar 19	\$5.38 ¾	↓ \$0.01	\$0.05 ²⁵
May 19	\$4.09 ½	↑ \$0.0250	\$0.02 ⁸⁷⁵	Nov 18	\$10.06 ½	↑ \$0.2075	No Carry	May 19	\$5.47	↓ \$0.0025	\$0.04 ¹²⁵

Price^{Soybean} / Price^{Corn} Ratios on October 13, 2017:

- "New Crop^{2017/18}" ⇒ $\$NOV^{2017} \text{ Soybeans} \div \$DEC^{2017} \text{ Corn} = \$9.92 \div \$3.49 = 2.84^{***}$
- "Next Crop^{2017/18}" ⇒ $\$NOV^{2018} \text{ Soybeans} \div \$DEC^{2018} \text{ Corn} = \$10.06 \frac{1}{2} \div \$3.94 \frac{3}{4} = 2.55$



Central Kansas Terminal and Processor Daily Grain Report

TERMINAL HRW WHEAT ORD US NO 1				
	Bids	Change (¢/bu)	Basis	Change
Atchison	3.3625	DN 2	-90Z	UNCH
Topeka	3.5125	DN 2	-75Z	UNCH
Concordia	3.3125	DN 2	-95Z	UNCH
Salina	3.3125	DN 2	-95Z	UNCH
Great Bend	3.3625	UP 1	-90Z	UP 3
Newton	3.0525	DN 2	-121Z	UNCH
Hutchinson	3.1225-3.2625	DN 2	-114Z to -100Z	UNCH
Wichita	3.2325-3.3125	DN 2	-103Z to -95Z	UNCH
Wellington	3.3125-3.3625	DN 2	-95Z to -90Z	UNCH
Arkansas City	3.3125	DN 2	-95Z	UNCH

TERMINAL HWW WHEAT ORD US NO 2				
	Bids	Change (¢/bu)	Basis	Change
Wichita	3.3125	DN 2	-95Z	UNCH

TERMINAL US NO 2 YELLOW CORN				
	Bids	Change (¢/bu)	Basis	Change
Atchison	3.0600	UP 3	-43Z	UNCH
Topeka	3.0600	UP 3	-43Z	UNCH
Salina	2.9900	UP 3	-50Z	UNCH
Newton	2.9800	UP 3	-51Z	UNCH
Hutchinson	3.1700-3.2400	UP 8-UP 3	-32Z to -25Z	UP 5-UNCH
Wellington	2.9900	UP 3	-50Z	UNCH
Arkansas City	2.9900	UP 3	-50Z	UNCH

TERMINAL US NO 2 SORGHUM				
	Bids	Change (¢/cwt)	Basis	Change
Topeka	5.61	UP 6	-35Z	UNCH
Concordia	5.61	UP 6	-35Z	UNCH
Salina	5.61-5.70	UP 6-UP 15	-35Z to -30Z	UNCH-UP 5
Newton	NA	NA	NA	NA
Hutchinson	5.41-5.52	UP 5-UP 6	-46Z to -40Z	UNCH
Wellington	5.43-5.70	UP 5-UP 6	-45Z to -30Z	UNCH
Arkansas City	5.25	UP 5	-55Z	UNCH

TERMINAL US NO 2 SOYBEANS				
	Bids	Change (¢/bu)	Basis	Change
Atchison	9.2200	UP 26.75	-70X	UNCH
Topeka	9.2200	UP 26.75	-70X	UNCH
Salina	8.9700-9.0200	UP 26.75	-95X to -90X	UNCH
Newton	8.9600	UP 26.75	-96X	UNCH
Hutchinson	8.9600-9.0200	UP 26.75	-96X to -90X	UNCH
Wichita	9.0600	UP 26.75	-86X	UNCH
Wellington	9.0700	UP 26.75	-85X	UNCH
Arkansas City	9.0700	UP 26.75	-85X	UNCH

PROCESSOR US NO 2 YELLOW CORN				
	Bids	Change (¢/bu)	Basis	Change
Atchison	3.0900	UP 3	-40Z	UNCH

PROCESSOR US NO 2 SOYBEANS				
	Bids	Change (¢/bu)	Basis	Change
Emporia	9.4200	UP 26.75	-50X	UNCH
Wichita	9.3700	UP 26.75	-55X	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
www.ams.usda.gov/mnreports/DC_GR112.txt
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	3.26	DN 2	-100Z	UNCH
Colby	3.34	UP 1	-92Z	UP 3
Garden City	3.27-3.31	DN 2	-99Z to -95Z	UNCH
Goodland	3.26	DN 2	-100Z	UNCH
Protection	3.21	DN 2	-105Z	UNCH
Scott City	3.36	DN 2	-90Z	UNCH
Sublette	3.36	DN 2	-90Z	UNCH
Syracuse	3.46	DN 2	-80Z	UNCH
Ulysses	3.46	DN 2	-80Z	UNCH

US NO 2 YELLOW CORN				
	Bids	Change (¢/bu)	Basis	Change
Dodge City	3.29	UP 3	-20Z	UNCH
Colby	3.02	DN 6	-47Z	DN 9
Garden City	3.34	UP 3	-15Z	UNCH
Goodland	2.94	UP 3	-55Z	UNCH
Protection	3.29	UP 3	-20Z	UNCH
Scott City	3.19	UP 3	-30Z	UNCH
Sublette	3.39-3.44	UP 3	-10Z to -5Z	UNCH
Syracuse	3.34	UP 3	-15Z	UNCH
Ulysses	3.44	UP 3	-5Z	UNCH

US NO 2 SORGHUM				
	Bids	Change (¢/cwt)	Basis	Change
Dodge City	5.16	UP 5	-60Z	UNCH
Colby	5.34	UP 5	-50Z	UNCH
Garden City	5.16	UP 5	-60Z	UNCH
Goodland	5.25	UP 5	-55Z	UNCH
Protection	5.25	UP 14	-55Z	UP 5
Scott City	5.16	UP 23	-60Z	UP 10
Sublette	5.25	UP 5	-55Z	UNCH
Syracuse	5.25	UP 5	-55Z	UNCH
Ulysses	5.25	UP 5	-55Z	UNCH

US NO 2 YELLOW SOYBEANS				
	Bids	Change (¢/bu)	Basis	Change
Dodge City	8.82	UP 26.75	-110X	UNCH
Colby	8.54	UP 23.75	-138X	DN 3
Garden City	8.82	UP 26.75	-110X	UNCH
Protection	8.92	UP 26.75	-100X	UNCH
Scott City	8.80	UP 26.75	-112X	UNCH
Sublette	8.82-8.87	UP 26.75	-110X to -105X	UNCH
Ulysses	8.72	UP 26.75	-120X	UNCH

US NO 2 SORGHUM - FEEDMILL BID				
	Bids	Change (¢/cwt)	Basis	Change
Ashland	5.43	UP 5	-45Z	UNCH

Cotton Grade 41, Leaf 4, Staple 34, West Texas base price 66.00 cents per pound
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



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



Thu. Oct 12, 2017

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:	3.0100 - 3.2300	↓	-45Z to -23Z	-34.00	105.00 - 110.00	↓	107.50	50.00 - 52.00	↓	51.00	NA	NA	NA
Iowa-Western:	3.0100 - 3.2400	↓	-45Z to -22Z	-33.50	100.00 - 114.00	↓	107.00	45.00 - 55.00	↓	50.00	27.00 - 44.00	↓	35.50
Illinois:	3.1100 - 3.3100	↓	-35Z to -15Z	-25.00	115.00 - 130.00	↑	122.50	NA	NA	NA	30.00	↓	30.00
Indiana:	3.1800 - 3.4700	↓	-28Z to 1Z	-13.50	108.00 - 120.00	↓	114.00	56.00	↑	56.00	NA	NA	NA
Ohio:	3.3600 - 3.4600	↓	-10Z to OptZ	-5.00	107.00 - 120.00	↑	113.50	NA	NA	NA	NA	NA	NA
Michigan:	3.1100 - 3.2800	↓	-35Z to -18Z	-26.50	105.00 - 110.00	↑	107.50	42.00 - 45.00	↓	43.50	NA	NA	NA
Kansas:	3.1600 - 3.6600	↓	-30Z to 20Z	-5.00	120.00 - 150.00	↓	135.00	NA	NA	NA	45.00 - 55.00	↓	50.00
Minnesota:	2.6800 - 3.0400	↓	-78Z to -42Z	-60.00	107.00 - 110.00	↓	108.50	50.00	↓	50.00	26.00 - 35.00	↓	30.50
Nebraska:	2.9400 - 3.3600	↓	-52Z to -10Z	-31.00	110.00 - 123.00	↓	116.50	46.00 - 65.00	↓	54.00	38.50 - 50.00	↓	44.25
Wisconsin:	2.8100 - 3.2100	↓	-65Z to -25Z	-45.00	110.00 - 130.00	↓	120.00	48.00 - 60.00	↓	54.00	NA	NA	NA
South Dakota:	2.6900 - 3.0400	↓	-77Z to -42Z	-59.50	102.00 - 109.00	↑	105.50	44.00 - 55.50	↓	49.75	30.00	↓	30.00
Missouri:	2.9600 - 3.0600	↓	-50Z to -40Z	-45.00	118.00 - 122.00	↓	120.00	65.00	↓	65.00	34.00 - 36.00	↓	35.00

Sorghum - dollars/bushel				
	Cash Bids	Chg	Basis	Avg:
Kansas:	3.2100 - 3.3600	↓	-25Z to -10Z	-17.50
Missouri:	NA	NA	NA	NA

Corn Oil - cents/pound			
W/E 10/06/17	Range	Chg:	Avg:
Iowa:	26.00 - 29.00	↓	27.50
Eastern Cornbelt:	26.00 - 29.00	↓	27.50
Nebraska:	26.00 - 30.00	↓	28.00
South Dakota:	24.00 - 27.00	↓	25.50

Ethanol - dollars/gallon			
W/E 10/06/17	Range	Chg:	Avg:
Iowa:	1.40 - 1.53	↓	1.47
Eastern Cornbelt:	1.41 - 1.47	↓	1.44
Kansas:	1.37 - 1.37	↓	1.37
Minnesota:	1.33 - 1.50	↓	1.42
Nebraska:	1.33 - 1.44	↓	1.39
Wisconsin:	NA	NA	NA
South Dakota:	1.50 - 1.62	↑	1.56

Daily Nearby Futures			
	Today	Yesterday	Last year
CME group			
Corn (\$/bu)	3.4500	3.4600	3.4950
Ethanol (\$/gal)	1.4200	1.4250	1.5620
NYMEX:			
RBOB Gasoline (\$/gal)	1.5983	1.6092	1.4818
Natural Gas (mmBtu)	2.9530	2.8890	3.3410

BIO-ENERGY REPORT NOTES

Yellow corn : US #2 spot bids at ethanol plants reported as \$/per bushel

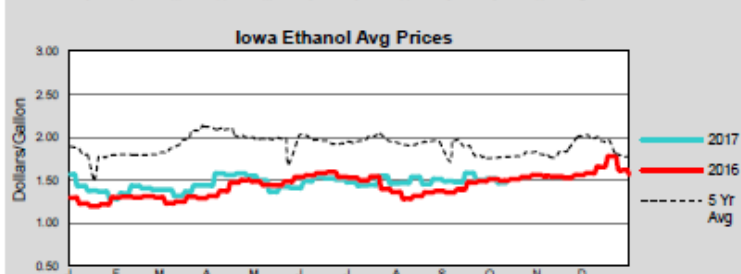
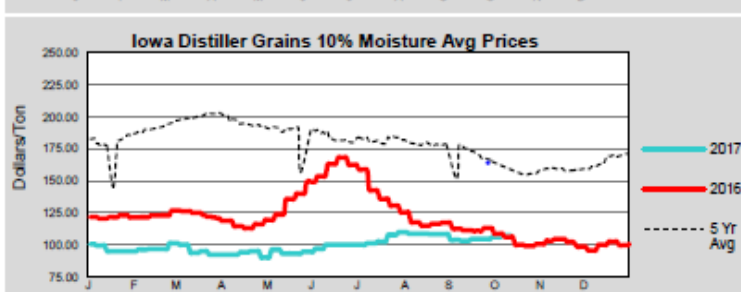
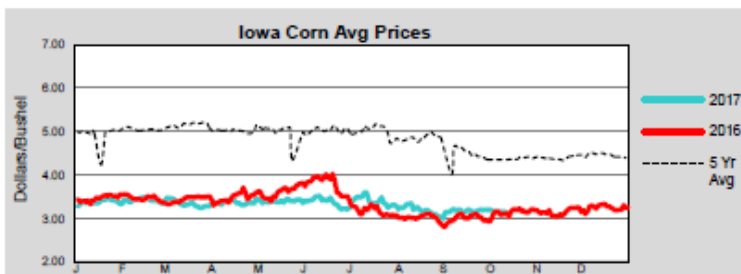
Distiller grains: Spot bids FOB the ethanol plant reported as \$/per ton. Protein content 28-30% for most distiller grains on a dry matter basis.

Ethanol: Spot bids FOB the ethanol plant reported as \$/gallon.

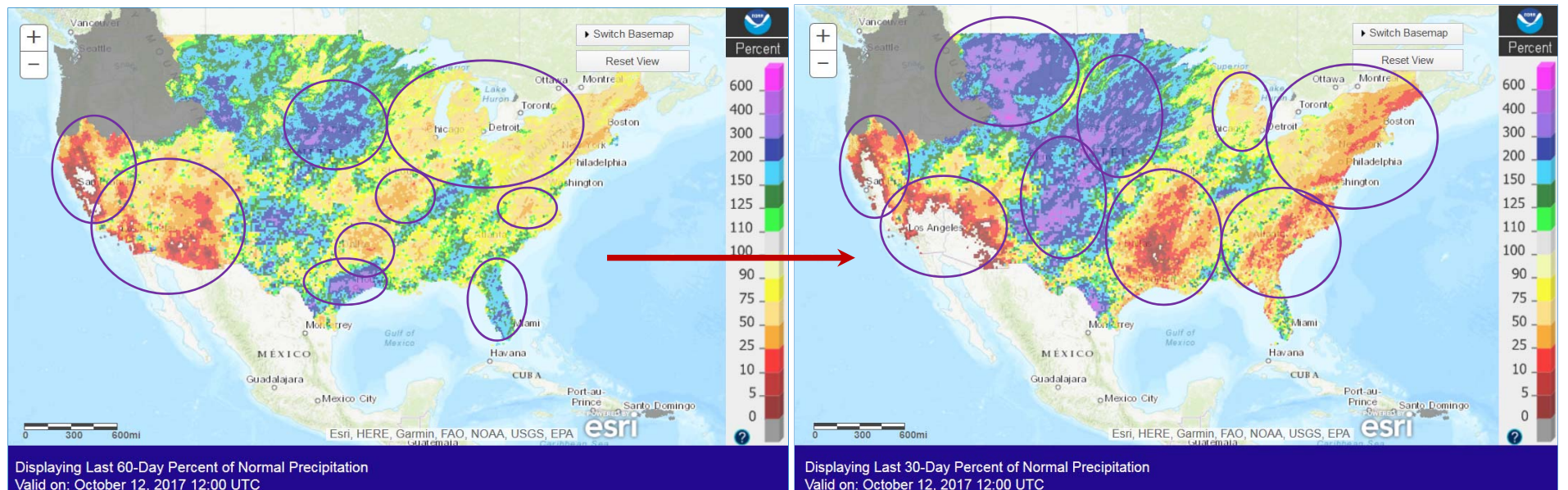
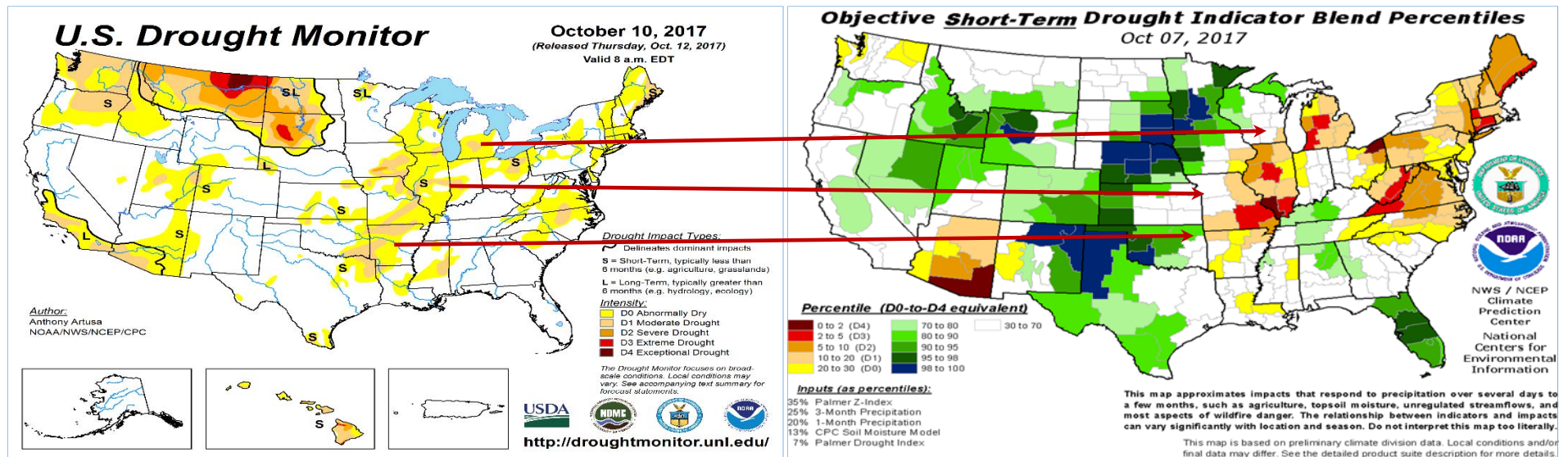
Distiller corn oil: Spot bids FOB the ethanol plant reported as \$/lb. Distiller corn oil is intended for animal feed or biofuel and is not Generally Regarded

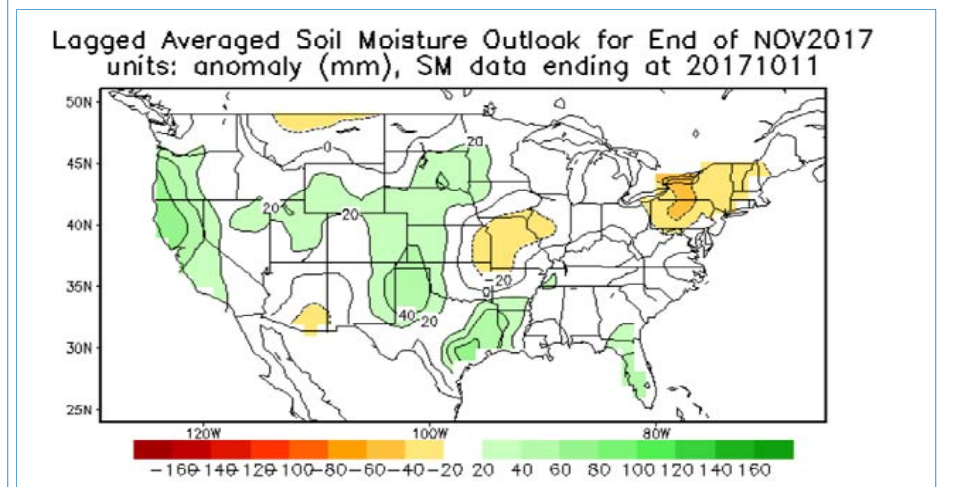
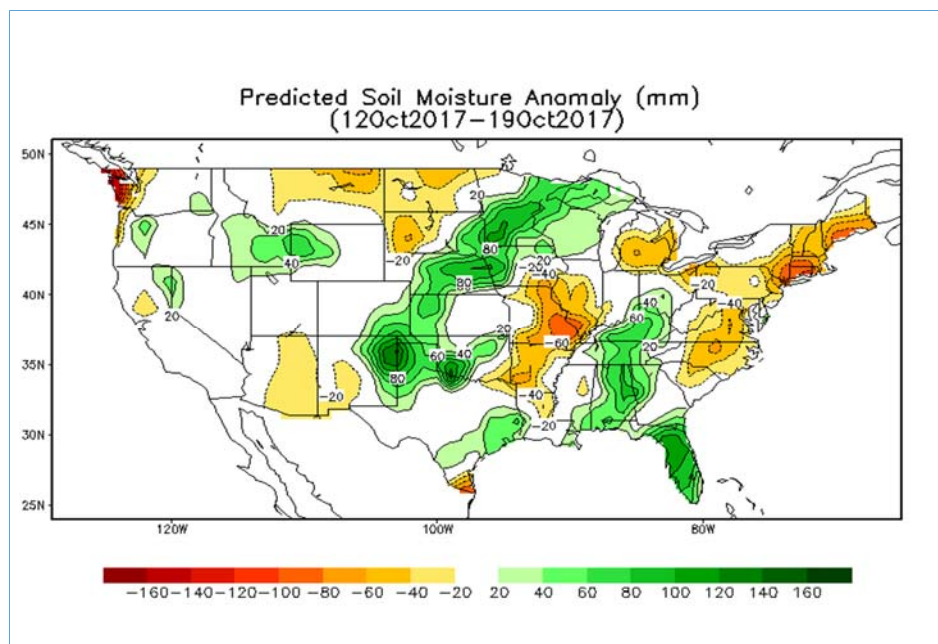
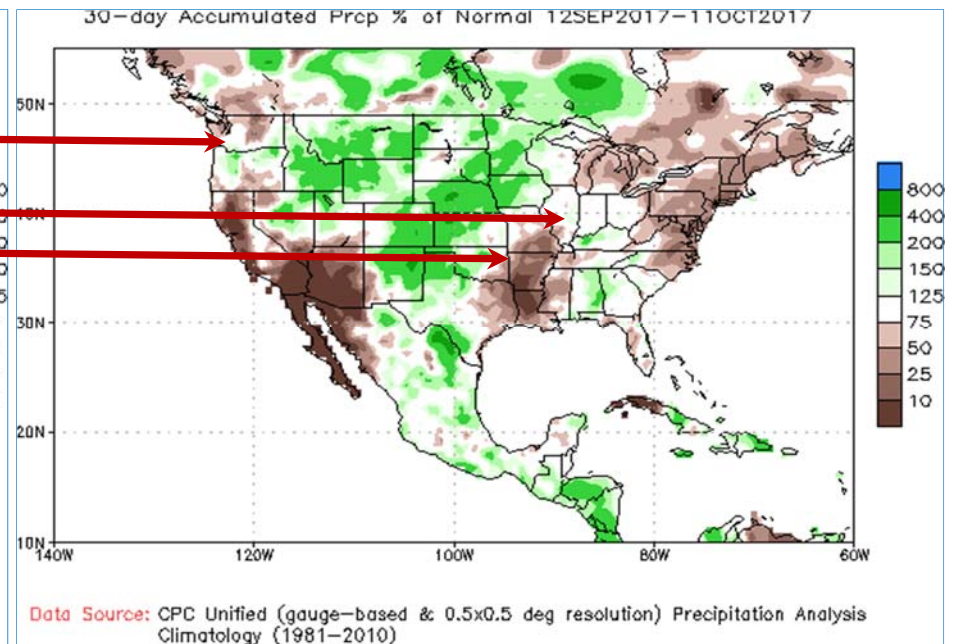
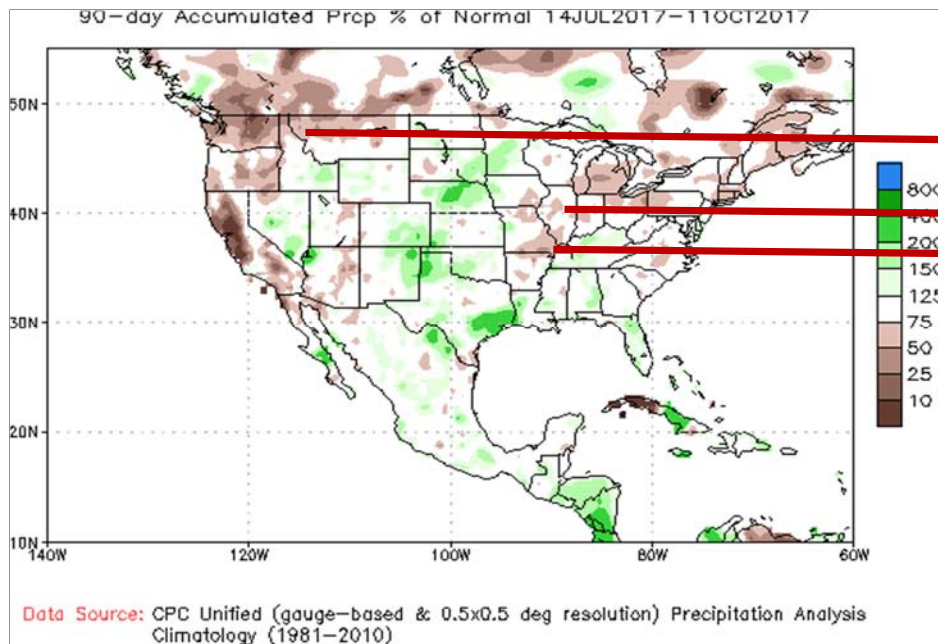
As Safe (GRAS) for human consumption. It may also be referred to as inedible crude corn oil or crude corn oil.

Daily Market Review
On Wednesday, December corn futures closed 3 1/4 cents lower at 3.46. Ethanol futures were fractionally higher as little activity reported in the complex. Lack of direction in the market is due to the traders not having a good feel for overall direction of the market.



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





INTERNATIONAL CROP AND WEATHER HIGHLIGHTS
USDA/WAOB Joint Agricultural Weather Facility

October 10, 2017

EUROPE – Highlight: Heat And Drought In Spain, Rain Elsewhere

- Widespread showers over most of **central, northern, and eastern Europe** boosted moisture supplies for winter grain and oilseed establishment. ★
- Heat and drought lingered in **Spain**, keeping soils devoid of moisture for winter grain planting. ★

MIDDLE EAST – Highlight: Showers In Turkey

- Welcomed showers in **central and northern Turkey** improved soil moisture for winter grain sowing. ★

FSU – Highlight: Dry But Cold Weather Accelerated Fieldwork But Left Soils Unfavorably Dry ★★

- Dry, chilly weather from **central Ukraine into southern Russia** favored late corn and sunflower harvesting, but soil moisture remained in very short supply for winter wheat establishment.

SOUTH ASIA – Highlight: Showers Diminished In Western India ★★

- Drier weather overspread **western India**, while showers continued to benefit summer (kharif) crops in **central and eastern areas**.

EAST ASIA – Highlight: Wet Weather

- Showers across the **Yangtze Valley** and **southern portions of the North China Plain** slowed summer crop harvesting and field preparations for winter crop planting. ★★

SOUTHEAST ASIA – Highlight: Favorable Moisture For Rice

- Continued widespread showers in **Indochina** and the **Philippines** kept rice well watered. ★

AUSTRALIA – Highlight: Much-Needed Rain In The Northeast

- In the **west**, sunny skies and adequate soil moisture benefited filling wheat. ★
- In the **southeast**, continued dryness likely caused local reductions in winter crop prospects. ★
- In the **northeast**, soaking rain helped condition soils for summer crop planting and early development. ★

SOUTH AMERICA – Highlight: Rain Spurred Soybean Planting In Brazil

- Moderate to heavy rain provided timely moisture for **Brazil's** soybeans, sugarcane, and coffee. ★
- Drier conditions favored grain and oilseed planting in **Argentina's** **western farming areas**. ★★

MEXICO – Highlight: Heavy Rain Along The Gulf Coast; Drier In The Northwest ★★

- Locally heavy rain continued for sugarcane and other summer crops in and around **Veracruz**.

CANADA – Highlight: Showery Weather Delayed Autumn Fieldwork

- Locally heavy rain disrupted the final stages of **Prairie** spring grain and oilseed harvesting. ★★
- Scattered, generally light showers slowed fieldwork in **Ontario**, likely including wheat planting. ★★

International Weather and Crop Summary

October 1-7, 2017

International Weather and Crop Highlights and Summaries provided by USDA/WAOB

HIGHLIGHTS

EUROPE: Cool, wet weather over much of the continent was favorable for winter crop establishment, though heat and drought lingered on the Iberian Peninsula.

WESTERN FSU: Dry, chilly weather from central Ukraine into southern Russia favored late summer crop harvesting, but soil moisture remained in very short supply for wheat establishment.

MIDDLE EAST: Welcomed showers in Turkey improved soil moisture for winter grain planting in central and northern portions of the country.

SOUTH ASIA: The monsoon remained stalled in northwestern India, allowing late-season showers in central India to benefit cotton and oilseeds.

EAST ASIA: A widespread freeze in northeastern China promoted drydown of mature corn and soybeans.

SOUTHEAST ASIA: Showers continued across the region, maintaining good moisture conditions for rice but causing some localized flooding.

AUSTRALIA: Much-needed rain overspread the northeast, but too little rain fell across the southeast.

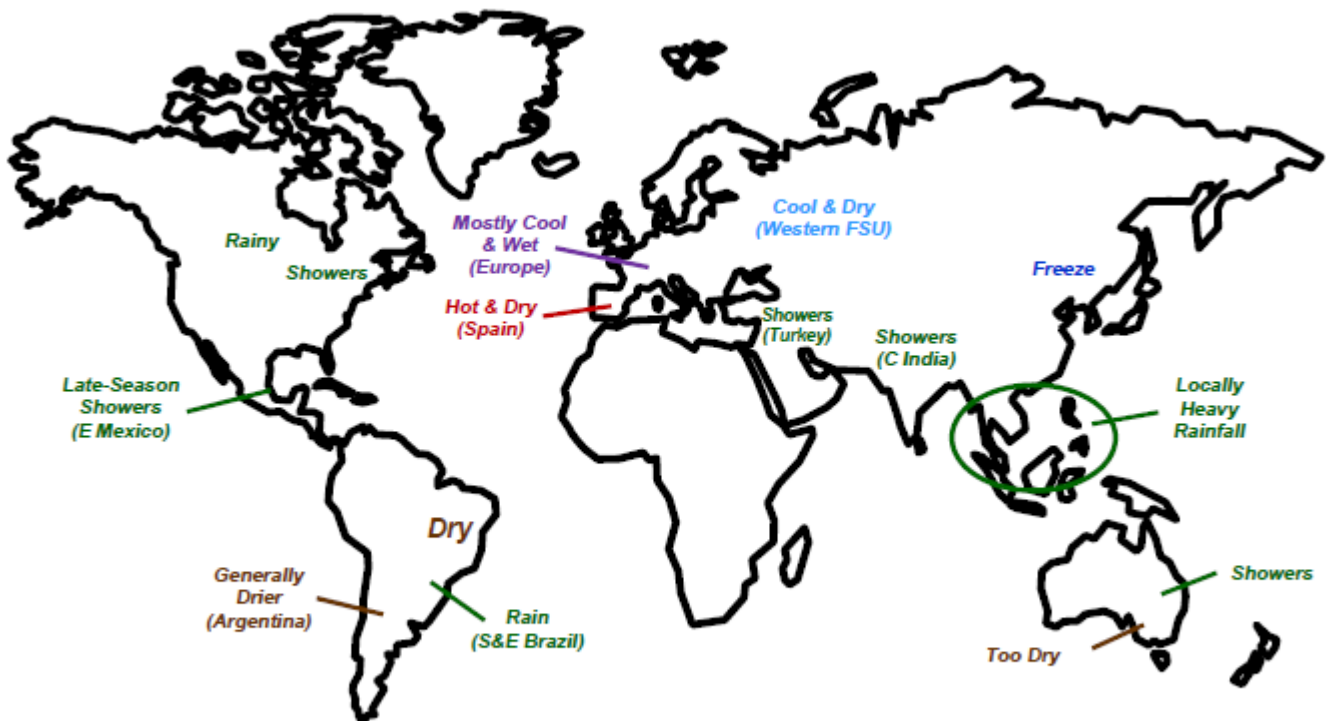
ARGENTINA: Drier weather supported summer grain and oilseed planting in western farming areas.

BRAZIL: Beneficial rain continued in central and southern soybean areas.

MEXICO: Heavy rain continued along the Gulf Coast but showers diminished throughout the north.

CANADIAN PRAIRIES: Locally heavy showers returned, disrupting the final stages of spring grain and oilseed harvesting.

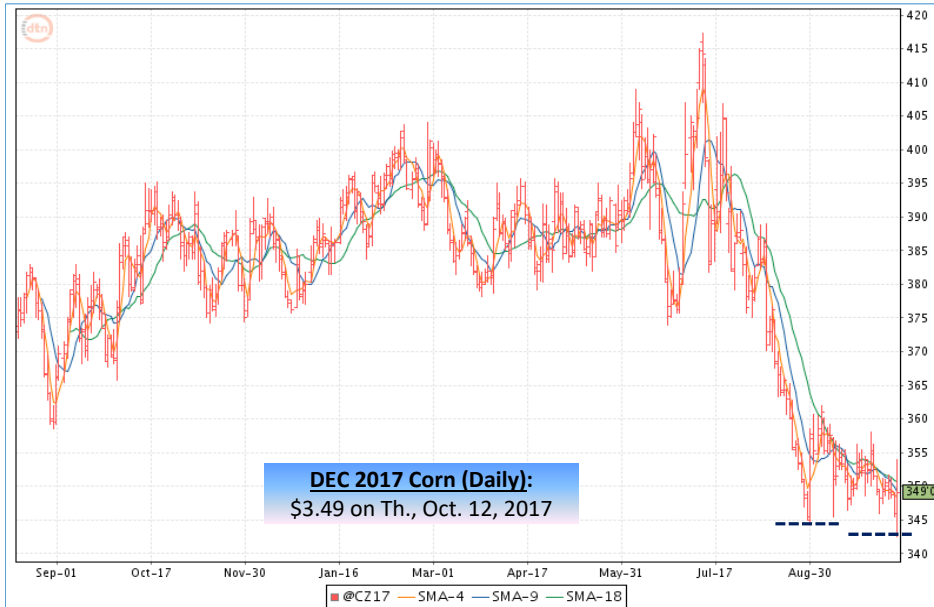
SOUTHEASTERN CANADA: Scattered showers slowed seasonal fieldwork, likely including the latter stages of wheat planting.



For additional information contact: mbrueberg@oce.usda.gov

IV. Corn & Grain Sorghum Market Information

Daily DECEMBER 2017 Corn Futures



Key Corn & Grain Sorghum Supply-Demand Factors:

U.S. Corn Exports: "Bearish" short-term "New Crop" MY 2017/18 U.S. corn shipments with "positive" intermediate term sales

- **Weekly Export Shipments** week of 10/5/2017 for MY 2017/18 = 26.4 mb (Bearish) vs 36.25 mb/wk needed to meet USDA's October 12th projn of 1.850 bb exports
- **Total shipments** through 10/5/2017 for MY 2017/18 = 146.1 mb i.e., 7.9% of 1.850 bb USDA projn with 9.6% of MY complete (5/52 weeks)
- **Total sales** through 10/5/2017 for "new crop" MY 2017/18 = 0.539 bb i.e., 29.1% of 1.850 bb USDA projn w. 9.6% of MY complete (5/52 weeks)

U.S. Grain Sorghum Exports: "Bearish" short-term "New Crop" MY 2017/18 sorghum shipments & "positive" intermediate term sales

- **Weekly Export Shipments** week of 10/5/2017 for MY 2017/18 = 2.5 mb (Bearish) vs 4.2 mb/wk needed to meet USDA's October 12th projn of 210 mb exports
- **Total shipments** through 10/5/2017 for MY 2017/18 = 13.7 mb i.e., 6.5% of 210 mb USDA projn with 9.6% of MY complete (5/52 weeks)
- **Total new sales** through 9/28/2017 for "new crop" MY 2017/18 = 53.7 mb i.e., 25.6% of 210 mb USDA projn w. 9.6% of MY complete (5/52 weeks)

World & U.S. Corn Supply-Demand Fundamentals

Mktg Yr	World % S/U	U.S. % S/U	U.S. \$/bu	U.S. Crop
2009/10	17.2% S/U	13.1% S/U	\$3.55 /bu	13.067 bln bu
2010/11	14.5% S/U	8.7% S/U	\$5.18 /bu	12.425 bln bu
2011/12	14.8% S/U	7.9% S/U	\$6.22 /bu	12.314 bln bu
2012/13	15.3% S/U	7.4% S/U	\$6.89 /bu	10.755 bln bu
2013/14	18.6% S/U	9.2% S/U	\$4.46 /bu	13.829 bln bu
2014/15 ^{USDA}	21.4% S/U	12.6% S/U	\$3.70 /bu	14.216 bln bu
2015/16 ^{USDA}	22.1% S/U	12.7% S/U	\$3.61 /bu	13.602 bln bu
2016/17 ^{USDA}	21.4% S/U	15.7% S/U	\$3.36 /bu	15.148 bln bu
2017/18 ^{USDA}	18.9% S/U	16.4% S/U	\$3.20 /bu	14.280 bln bu

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
2015/16 ^{USDA}	76.0 bu/ac ^{US}	6.4% S/U	\$3.31 /bu	597 mln bu
2016/17 ^{USDA}	77.9 bu/ac ^{US}	7.0% S/U	\$2.65 /bu	480 mln bu
2017/18 ^{USDA}	72.2 bu/ac ^{US}	7.6% S/U	\$2.90 /bu	364 mln bu



October 2017 Crop Production

Crop	Unit	October 2017	% Change From Previous Forecast	% Change From Previous Season
Corn				
Harvested	Mil Ac	83.1	-0.5	-4.2
Yield	Bu/Ac	171.8	+1.1	-1.6
Production	Bil Bu	14.3	+0.7	-5.7



Corn for Grain Production United States

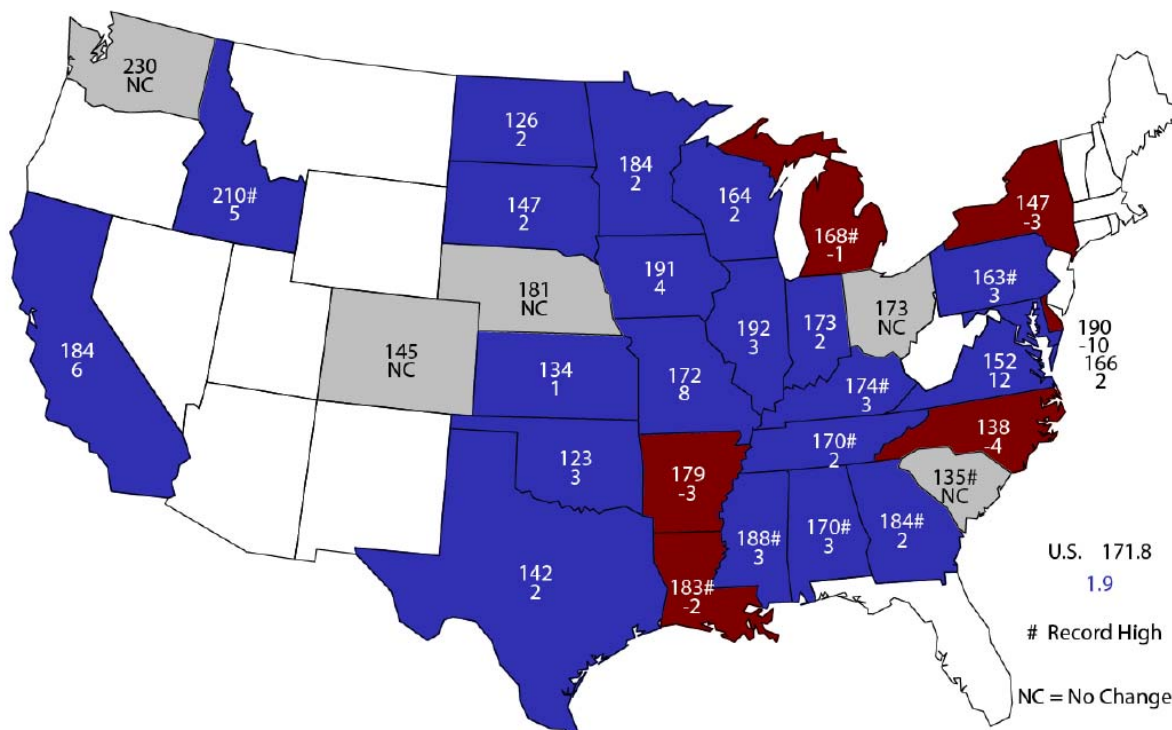
Billion Bushels



USDA-NASS
10-12-17



October 1, 2017 Corn Yield Bushels and Change From Previous Forecast

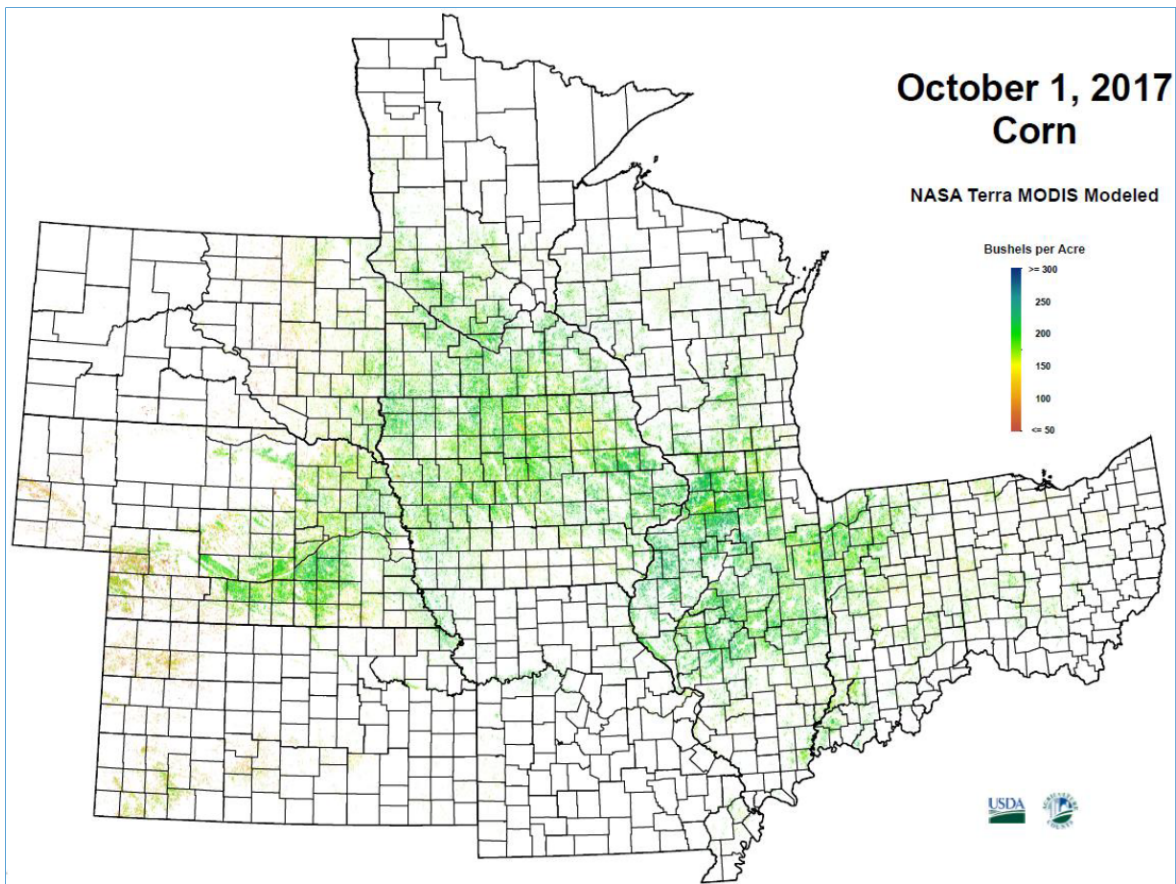


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1.9

Record High

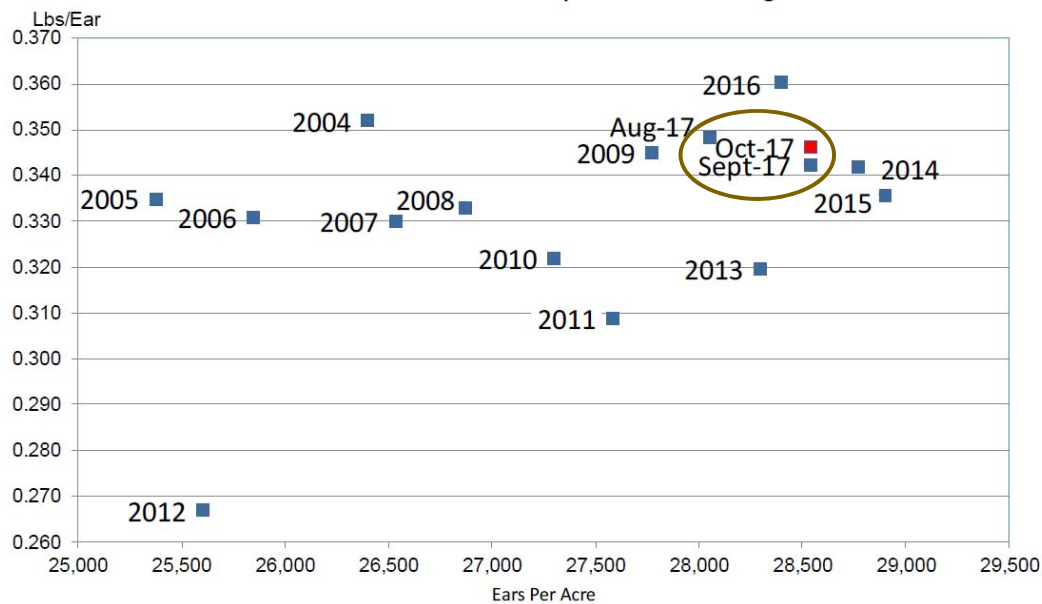
NC = No Change

USDA-NASS
10-12-17



Corn Objective Yield Region

Ears Per Acre vs. Implied Ear Weight



Implied Ear Weight = (Published Yield * 56) / Ears

USDA-NASS
10-12-17

World Corn Production

Country or Region	2016/17 estimate	2017/18 forecast	Change from September 12	Change from 2016/17
<i>Million Tons</i>				
World	1,075.3	1,038.8	6.17	-36.5
United States	384.8	362.7	2.43	-22.0
Foreign	690.6	676.1	3.74	-14.5
Argentina	41.0	42.0		1.0
Brazil	98.5	95.0	--	-3.5
Mexico	27.6	26.2	0.20	-1.4
Canada	13.2	14.1	0.20	0.9
European Union	61.1	59.4	--	-1.7
Serbia	7.6	4.0		-3.6
FSU-12	47.4	46.5	-1.20	-0.8
Ukraine	28.0	27.0	-0.50	-1.0
Russia	15.3	15.3	-0.70	-0.0
South Africa	17.5	12.5	--	-5.0
China	219.6	215.0	--	-4.6
India	26.3	25.0	--	-1.3

World Corn Supply and Use

	2016/17 estimate	2017/18 forecast	Change from September 12	Change from 2016/17
<i>Million Tons</i>				
Beginning stocks	214.0	227.0	0.03	13.0
Production	1,075.3	1,038.8	6.17	-36.5
Total Supply	1,289.3	1,265.8	6.19	-23.5
Feed use	632.5	650.5	0.20	18.0
Total use	1,062.3	1,064.8	7.70	2.5
Trade	163.8	150.7	0.13	-13.1
Ending Stocks	227.0	201.0	-1.51	-26.0

U.S. Corn Supply and Demand

	2016/17	2016/17	2017/18	2017/18	Change from
	estimate	Change from September 12	forecast	Change from September 12	2016/17
Planted area (million acres)	94.0	--	90.4	-0.5	-3.6
Harvested area (million acres)	86.7	--	83.1	-0.4	-3.6
Yield (bushels per acre)	174.6	--	171.8	1.9	-2.8
<i>Million bushels</i>					
Beginning stocks	1,737	--	2,295	-55	558
Production	15,148	--	14,280	96	-868
Imports	57	2	50	--	-7
Total supply	16,942	2	16,625	41	-317
Feed and residual	5,464	39	5,500	25	36
Food, seed, and industrial	6,890	20	6,935	10	45
Ethanol	5,438	3	5,475	--	37
Domestic use	12,354	59	12,435	35	81
Exports	2,293	-2	1,850	--	-443
Total use	14,647	57	14,285	35	-362
Ending stocks	2,295	-55	2,340	6	45
<i>Percent</i>					
Stocks to use ratio	15.7	-0.4	16.4	0.0	0.7
<i>Dollars per bushel</i>					
Average market price	3.36	0.01	2.80/3.60	--	-0.16
-- No change					

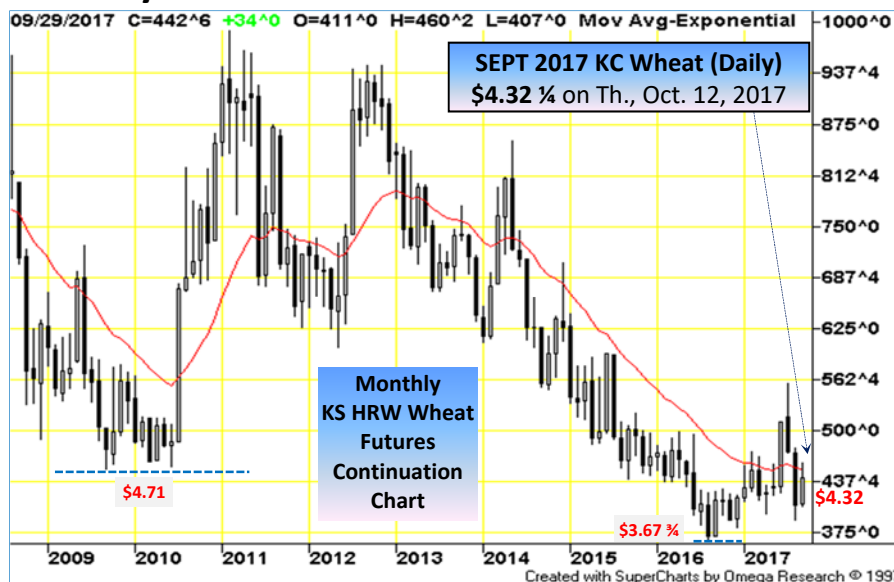
October 12, 2017

V. Wheat Market Outlook

Daily DEC 2017 KS HRW Wheat Futures



Monthly Kansas HRW Wheat eFutures



Wheat Export Situation:

U.S. All Wheat Exports: "Bearish" Short Term Export Shipments with "Positive" long run export prospects in "New Crop" MY 2017/18 total sales

- Weekly Export Shipments wk of 10/5/2017 for "new crop" MY 2017/18 = 12.0 mb (Bearish) vs 18.7 mb /wk needed to meet USDA's October 12th projn of 975 mb exports
- Total shipments through 10/5/2017 for "new crop" MY 2017/18 = 356.6 mb i.e., 36.6% of 975 mb USDA projn with 36.5% of MY complete (19/52 weeks)
- Total shipments + new sales through 9/28/2017 for "new crop" MY 2017/18 = 521.2 mb i.e., 53.5% of 975 mb USDA projn with 36.5% of MY complete (19/52 weeks)

U.S. Hard Red Winter (HRW) Wheat Exports: "Bearish" Short Term Shipments with "Positive" long run export prospects in "new crop" MY 2017/18 total sales

- Weekly Export Shipments wk of 9/21/2017 for "new crop" MY 2017/18 = 5.2 mb (Bearish) vs 7.4 mb /wk needed to meet USDA's October 12th projn of 390 mb HRW wheat exports
- Total shipments through 9/21/2017 for "new crop" MY 2017/18 = 144.6 mb i.e., 37.1% of 390 mb USDA HRW wheat exports with 36.5% of MY complete (19/52 weeks)
- Total shipments + new sales 9/21/2017 for "new crop" MY 2017/18 = 193.2 mb i.e., 49.55% of 390 mb USDA HRW wheat with 36.5% of MY complete (19/52 weeks)

"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	611.9 mmt	13.2% S/U	\$6.48 /bu	1,263 mln bu
2008/09	26.5% S/U	684.0 mmt	28.7% S/U	\$6.78 /bu	1,015 mln bu
2009/10	31.2% S/U	687.2 mmt	48.6% S/U	\$4.87 /bu	879 mln bu
2010/11	30.4% S/U	649.5 mmt	36.4% S/U	\$5.70 /bu	1,291 mln bu
2011/12	28.6% S/U	697.3 mmt	33.4% S/U	\$7.24 /bu	1,051 mln bu
2012/13	25.7% S/U	658.6 mmt	29.9% S/U	\$7.77 /bu	1,012 mln bu
2013/14	28.1% S/U	715.1 mmt	24.2% S/U	\$6.87 /bu	1,176 mln bu
2014/15	30.9% S/U	728.0 mmt	37.3% S/U	\$5.99 /bu	864 mln bu
2015/16 ^{USDA}	33.9% S/U	735.3 mmt	50.0% S/U	\$4.89 /bu	778 mln bu
2016/17 ^{USDA}	34.7% S/U	753.3 mmt	53.2% S/U	\$3.89 /bu	1,055 mln bu
2017/18 ^{USDA}	36.3% S/U	744.9 mmt	45.5% S/U	\$4.60 /bu	975 mln bu

World Wheat Production

Country or Region	2016/17 estimate	2017/18 forecast	Change from September 12	Change from 2016/17
<i>Million Tons</i>				
World	754.2	751.2	6.3	-3.0
United States	62.8	47.4	0.0	-15.5
Foreign	691.3	703.8	6.3	12.5
Argentina	18.4	17.5	--	-0.9
Canada	31.7	27.0	0.5	-4.7
Australia	33.5	21.5	-1.0	-12.0
European Union	145.5	151.0	2.2	5.6
Turkey	17.3	21.0	1.0	3.8
Russia	72.5	82.0	1.0	9.5
Ukraine	26.8	26.5	--	-0.3
Kazakhstan	15.0	14.0	--	-1.0
China	128.9	130.0	--	1.2
India	87.0	98.4	2.4	11.4

World Wheat Supply and Use

	2016/17 estimate	2017/18 forecast	Change from September 12	Change from 2016/17
<i>Million Tons</i>				
Beginning stocks	241.2	256.6	0.7	15.4
Production	754.2	751.2	6.3	-3.0
Total Supply	995.4	1,007.8	7.1	12.4
Feed use	147.3	141.5	0.9	-5.8
Total use	738.8	739.6	2.1	0.9
Trade	182.5	180.0	0.0	-2.4
Ending Stocks	256.6	268.1	5.0	11.6

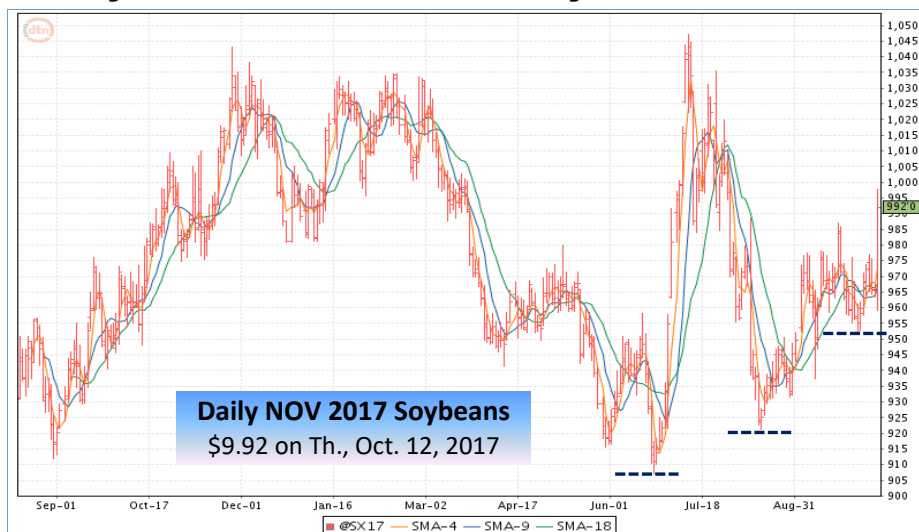
U.S. Wheat Supply and Demand

	2016/17 estimate	2017/18 forecast	Change from September 12	Change from 2016/17
Planted area (million acres)	50.1	46.0	0.4	-4.1
Harvested area (million acres)	43.9	37.6	-0.5	-6.3
Yield (bushels per acre)	52.7	46.3	0.7	-6.3
<i>Million bushels</i>				
Beginning stocks	976	1,181	-4	205
Production	2,309	1,741	1	-568
Imports	118	150	--	32
Total supply	3,402	3,071	-2	-331
Food use	949	950	--	1
Seed	61	66	--	5
Feed and residual	157	120	-30	-37
Domestic use	1,167	1,136	-30	-31
Exports	1,055	975	--	-80
Total use	2,222	2,111	-30	-111
Ending stocks	1,181	960	28	-220
<i>Percent</i>				
Stocks to use ratio	53.1	45.5	1.9	-7.7
<i>Dollars per bushel</i>				
Average market price	3.89	4.40/4.80	--	0.71
-- No change				

October 12, 2017

VI. Soybean Market Outlook

Daily NOVEMBER 2017 Soybean Futures



Monthly Soybean eFutures



Key Soybean Supply-Demand Issues:

❖ U.S. Soybean Exports: “Neutral” short run export shipments in “New Crop” MY 2017/18 and “positive-bullish” total sales

- **Weekly Export Shipments** week of 10/5/2017 for MY 2017/18 = 43.7 mb (Neutral) vs 43.8 mb/wk needed to meet USDA’s October 12th projn of 2.250 bb exports
- **Total shipments through 10/5/2017** for MY 2017/18 = 193.2 mb i.e., 8.6% of 2.250 bb USDA projn with 9.6% of MY complete (5/52 weeks)
- **Total sales through 10/5/2017** for “New Crop” MY 2017/18 = 0.921 bb i.e., 40.95% of 2.250 bb USDA projn w. 9.6% of MY complete (5/52 weeks)

❖ U.S. Soybean Meal Exports: “Bearish” short run export shipments in “current” MY 2016/17 and “neutral” total sales

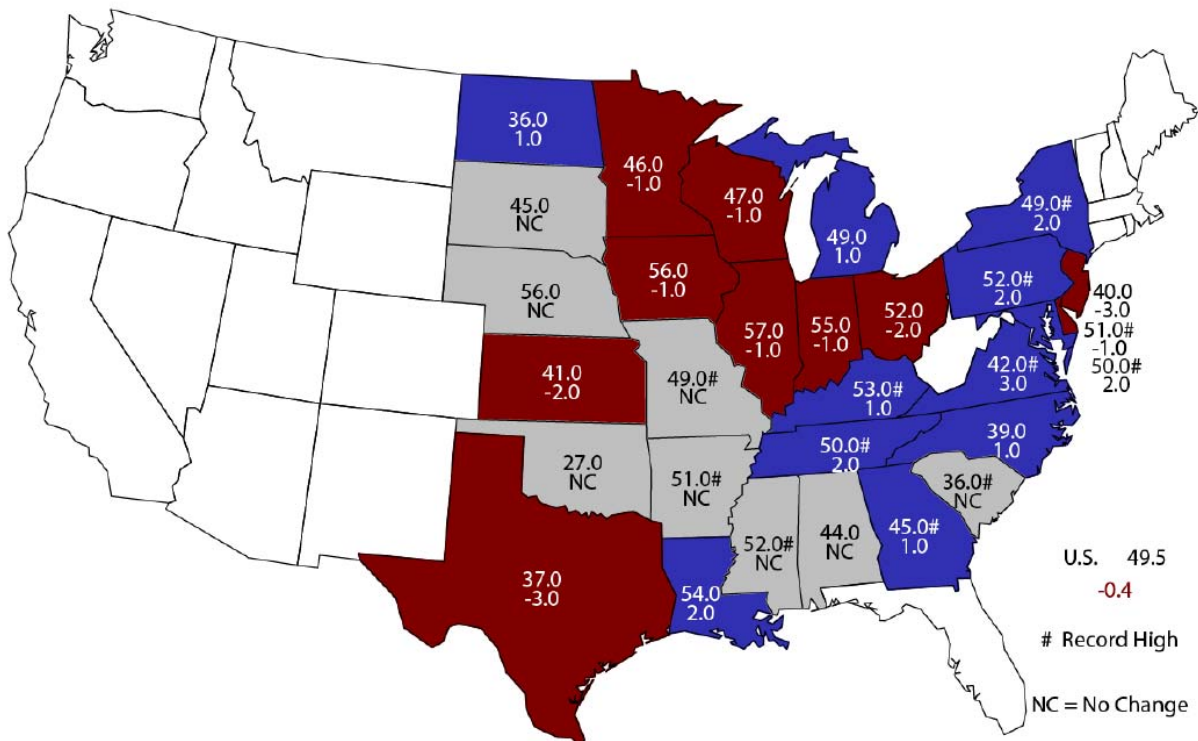
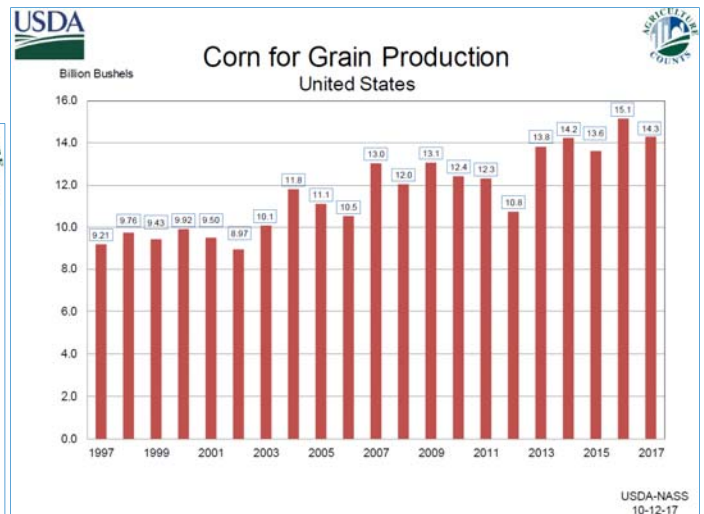
- **Export Shipments for week of 10/5/2017** for “New Crop” MY 2017/18 = 34,300 mt (Bearish) vs 216,386 mt/wk needed to meet USDA’s October 12th projn of 11.070 mmt exports
- **Total shipments through 10/5/2017** for “New Crop” MY 2017/18 = 0.034 mmt i.e., 0.3% of 11.070 mmt USDA projn with 1.9% of MY complete (1/52 weeks)
- **Total shipments & new sales (10/5/2017)** for “New Crop” MY 2017/18 = 3.312 mmt i.e., 29.9% of 11.070 mmt USDA projn with 1.9% of MY complete (1/52 weeks)

❖ 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	25.2% S/U	260.5 mmt	4.5% S/U	\$ 9.59 /bu	1.499 bln bu
2010/11	27.7% S/U	264.3 mmt	6.6% S/U	\$11.30 /bu	1.505 bln bu
2011/12	20.3% S/U	240.6 mmt	5.4% S/U	\$12.50 /bu	1.365 bln bu
2012/13	21.0% S/U	268.6 mmt	4.5% S/U	\$14.40 /bu	1.328 bln bu
2013/14	22.4% S/U	282.5 mmt	2.7% S/U	\$13.00 /bu	1.638 bln bu
2014/15	25.7% S/U	319.6 mmt	4.9% S/U	\$10.10 /bu	1.842 bln bu
2015/16 ^{USDA}	24.7% S/U	313.7 mmt	5.0% S/U	\$ 8.95 /bu	1.942 bln bu
2016/17^{USDA}	28.7% S/U	351.3 mmt	7.1% S/U	\$ 9.47 /bu	2.174 bln bu
2017/18^{USDA}	27.9% S/U	347.9 mmt	9.9% S/U	\$ 9.30 /bu	2.250 bln bu



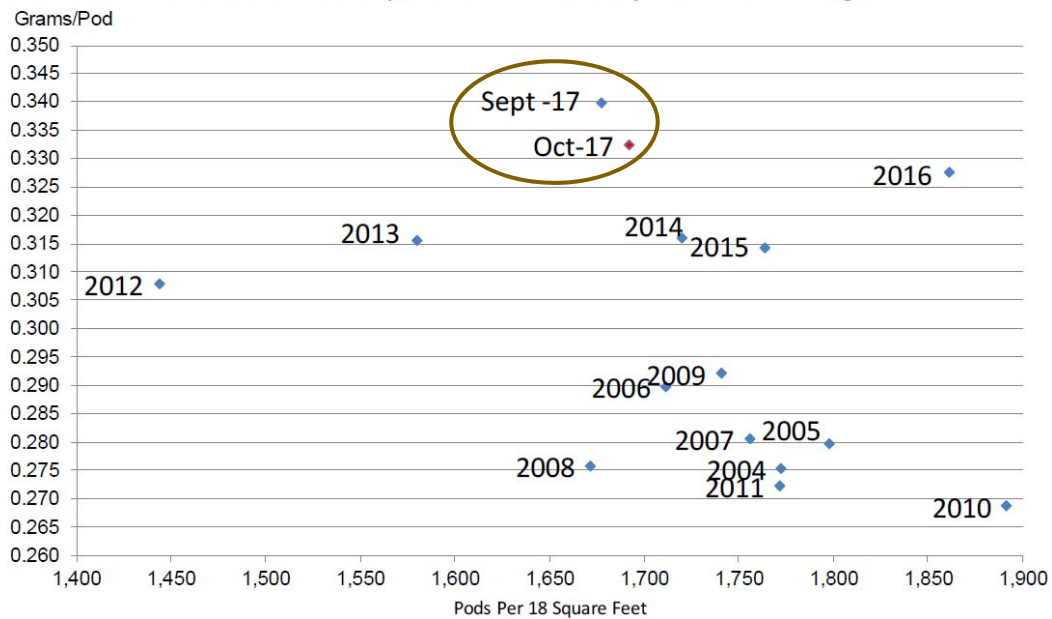
Crop	Unit	October 2017	% Change From Previous Forecast	% Change From Previous Season
Soybeans				
Harvested	Mil Ac	89.5	+0.8	+8.2
Yield	Bu/Ac	49.5	-0.8	-4.8
Production	Bil Bu	4.43	-<0.1	+3.1



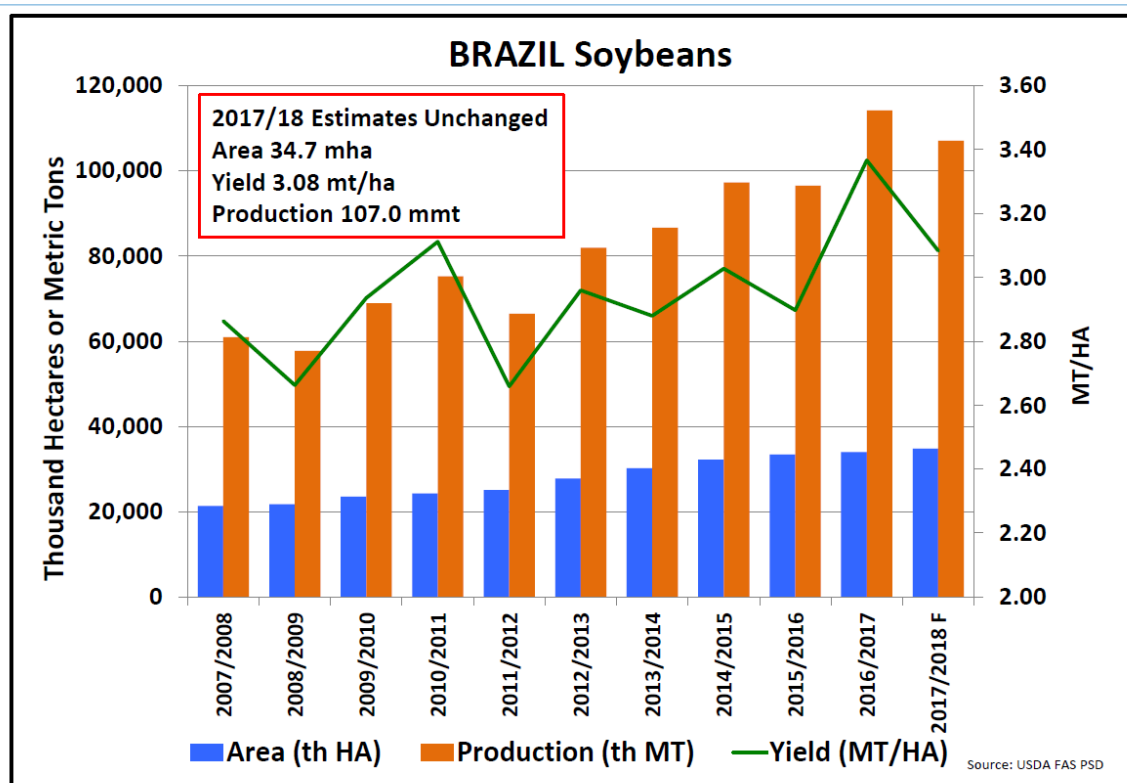


Soybean Objective Yield Region

Pods Per 18 Square Feet vs. Implied Pod Weight



USDA-NASS
10-12-17



World Soybean Production

Country or Region	2016/17 estimate	2017/18 forecast	Change from September 12	Change from 2016/17
<i>Million Tons</i>				
World	351.3	347.9	-0.6	-3.4
United States	116.9	120.6	0.0	3.7
Foreign	234.3	227.3	-0.5	-7.0
Argentina	57.8	57.0	--	-0.8
Brazil	114.1	107.0	--	-7.1
Paraguay	10.7	9.4	--	-1.3
Canada	6.5	8.2	--	1.7
India	11.5	10.0	--	-1.5
China	12.9	14.2	0.2	1.3

World Soybean Supply and Use

	2016/17 estimate	2017/18 forecast	Change from September 12	Change from 2016/17
<i>Million Tons</i>				
Beginning stocks	77.7	94.9	-1.1	17.1
Production	351.3	347.9	-0.6	-3.4
Total Supply	429.0	442.8	-1.6	13.7
Domestic crush	288.4	301.3	0.6	12.8
Total use	330.3	344.4	0.1	14.1
Trade	147.5	151.0	-0.5	3.5
Ending Stocks	94.9	96.0	-1.5	1.2
Addendum:				
Beginning stocks				
Argentina plus Brazil	49.9	60.4	-0.5	10.5
Imports*				
China	92.5	95.0	--	2.5

-- No change

*From all Sources

U.S. Soybean Supply and Demand

	2016/17 estimate	2017/18 forecast	Change from September 12	Change from 2016/17
Planted area (million acres)	83.4	90.2	0.7	6.8
Harvested area (million acres)	82.7	89.5	0.7	6.8
Yield (bushels per acre)	52.0	49.5	-0.4	-2.4
<i>Million bushels</i>				
Beginning stocks	197	301	-44	105
Production	4,296	4,431	-0	135
Imports	22	25	--	3
Total supply	4,515	4,757	-45	242
Crush	1,899	1,940	--	41
Seed and residual	141	136	-0	-5
Domestic use	2,040	2,076	-0	36
Exports	2,174	2,250	--	76
Total use	4,214	4,326	-0	113
Ending stocks	301	430	-45	129
<i>Percent</i>				
Stocks to use ratio	7.2	10.0	-1.0	2.8
<i>Dollars per bushel</i>				
Average market price	9.47	8.35/10.05	--	-0.27

-- No change

October 12, 2017

Crop Progress and Condition

Week Ending October 8, 2017

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Corn Percent Mature				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
CO	79	42	59	80
IL	99	73	90	94
IN	93	69	82	88
IA	93	73	87	89
KS	95	84	88	94
KY	97	91	93	96
MI	77	58	73	73
MN	94	55	77	85
MO	99	89	97	95
NE	91	70	83	87
NC	100	100	100	100
ND	88	47	62	82
OH	82	58	74	79
PA	83	65	76	85
SD	91	52	72	87
TN	99	96	97	98
TX	89	89	91	88
WI	89	41	58	74
18 Sts	92	68	82	87
These 18 States planted 92% of last year's corn acreage.				

Corn Percent Harvested				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
CO	18	5	8	21
IL	59	21	38	52
IN	36	16	24	34
IA	18	6	8	28
KS	60	39	46	61
KY	81	56	66	71
MI	10	7	12	13
MN	13	2	4	26
MO	68	44	53	65
NE	22	12	13	29
NC	92	85	89	88
ND	9	2	4	19
OH	22	8	13	21
PA	30	13	24	30
SD	19	3	6	29
TN	93	74	85	81
TX	76	75	76	73
WI	12	2	5	16
18 Sts	33	17	22	37
These 18 States harvested 94% of last year's corn acreage.				

Corn Condition by Percent					
	VP	P	F	G	EX
CO	2	10	26	45	17
IL	4	8	24	48	16
IN	5	11	28	43	13
IA	3	9	28	49	11
KS	4	11	29	43	13
KY	2	3	11	65	19
MI	4	12	34	38	12
MN	1	3	16	64	16
MO	2	6	27	49	16
NE	4	8	24	46	18
NC	1	3	19	46	31
ND	6	11	26	51	6
OH	2	7	29	48	14
PA	0	1	15	48	36
SD	9	16	35	36	4
TN	1	2	10	44	43
TX	0	3	18	57	22
WI	3	9	19	47	22
18 Sts	3	8	25	49	15
Prev Wk	3	9	25	49	14
Prev Yr	2	6	19	53	20

Soybeans Percent Dropping Leaves				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AR	90	82	91	81
IL	89	80	90	88
IN	90	81	90	91
IA	91	84	92	88
KS	72	78	87	76
KY	72	55	68	71
LA	96	96	99	95
MI	88	83	93	91
MN	99	82	93	95
MS	93	88	91	88
MO	76	54	69	70
NE	94	93	96	93
NC	61	50	66	54
ND	99	93	97	98
OH	94	80	91	94
SD	98	89	97	97
TN	90	70	83	78
WI	95	71	86	88
18 Sts	90	80	89	87
These 18 States planted 95% of last year's soybean acreage.				

Soybeans Percent Harvested				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AR	57	47	62	49
IL	36	30	52	41
IN	30	24	42	35
IA	40	16	26	45
KS	14	13	22	21
KY	29	17	26	26
LA	85	85	91	83
MI	13	21	51	29
MN	61	13	22	63
MS	79	64	73	71
MO	22	13	22	20
NE	42	19	23	46
NC	11	10	16	7
ND	70	18	44	64
OH	28	24	45	35
SD	56	10	22	59
TN	42	14	29	26
WI	21	16	32	35
18 Sts	41	22	36	43
These 18 States harvested 95% of last year's soybean acreage.				

Soybean Condition by Percent					
	VP	P	F	G	EX
AR	2	6	27	47	18
IL	5	8	24	50	13
IN	4	10	31	43	12
IA	3	9	26	51	11
KS	5	14	35	41	5
KY	1	3	19	61	16
LA	0	10	28	54	8
MI	3	14	39	36	8
MN	1	6	24	58	11
MS	0	6	24	43	27
MO	3	6	27	52	12
NE	4	8	26	49	13
NC	1	6	22	55	16
ND	5	11	31	48	5
OH	3	10	29	47	11
SD	5	12	32	44	7
TN	2	4	12	40	42
WI	2	6	20	48	24
18 Sts	3	9	27	49	12
Prev Wk	3	9	28	48	12
Prev Yr	2	5	19	54	20

Crop Progress and Condition

Week Ending October 8, 2017

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Cotton Percent Bolls Opening				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AL	92	71	83	85
AZ	95	95	97	96
AR	100	96	99	95
CA	88	70	75	88
GA	93	84	91	88
KS	65	49	58	65
LA	100	99	100	99
MS	98	84	89	93
MO	95	84	92	81
NC	89	77	85	87
OK	77	55	71	81
SC	88	89	96	82
TN	94	77	93	83
TX	68	56	60	71
VA	76	70	87	88
15 Sts	79	67	72	78
These 15 States planted 98% of last year's cotton acreage.				

Cotton Percent Harvested				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AL	24	6	22	18
AZ	23	18	21	20
AR	44	8	29	31
CA	4	3	10	10
GA	21	11	19	14
KS	6	4	5	4
LA	64	43	63	62
MS	53	18	32	37
MO	31	6	24	20
NC	8	4	13	7
OK	3	2	3	3
SC	14	14	19	11
TN	25	4	24	18
TX	19	22	27	19
VA	0	0	5	3
15 Sts	21	17	25	19
These 15 States harvested 98% of last year's cotton acreage.				

Cotton Condition by Percent					
	VP	P	F	G	EX
AL	0	8	33	45	14
AZ	4	4	10	64	18
AR	1	3	14	46	36
CA	0	0	0	5	95
GA	7	19	28	40	6
KS	0	2	30	57	11
LA	1	28	45	26	0
MS	0	8	32	41	19
MO	1	9	30	50	10
NC	0	4	18	55	23
OK	0	4	8	86	2
SC	0	0	4	60	36
TN	1	6	10	54	29
TX	12	5	27	37	19
VA	0	0	18	71	11
15 Sts	8	7	25	42	18
Prev Wk	7	9	27	42	15
Prev Yr	4	12	36	39	9

Peanuts Percent Harvested				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AL	51	25	46	33
FL	67	42	62	56
GA	43	29	41	31
NC	17	13	25	22
OK	10	1	4	14
SC	23	23	41	32
TX	13	5	12	18
VA	25	20	35	19
8 Sts	40	25	39	32
These 8 States harvested 96% of last year's peanut acreage.				

Peanut Condition by Percent					
	VP	P	F	G	EX
AL	0	4	28	62	6
FL	9	20	22	38	11
GA	1	5	18	53	23
NC	0	2	17	60	21
OK	0	0	10	85	5
SC	0	2	9	49	40
TX	0	4	28	55	13
VA	0	0	5	90	5
8 Sts	2	6	20	53	19
Prev Wk	1	5	19	56	19
Prev Yr	2	9	31	45	13

Rice Percent Harvested				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AR	95	88	94	86
CA	52	18	40	45
LA	100	99	100	100
MS	89	86	93	85
MO	90	65	79	76
TX	100	99	100	100
6 Sts	88	77	85	80
These 6 States harvested 100% of last year's rice acreage.				

Sunflowers Percent Harvested				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
CO	1	0	0	12
KS	9	3	4	11
ND	11	2	4	12
SD	13	0	10	12
4 Sts	11	NA	6	12
These 4 States harvested 87% of last year's sunflower acreage.				

Sugarbeets Percent Harvested				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
ID	29	31	34	29
MI	22	25	29	21
MN	37	17	41	52
ND	48	23	61	55
4 Sts	35	22	42	44
These 4 States harvested 83% of last year's sugarbeet acreage.				

Crop Progress and Condition

Week Ending October 8, 2017

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Sorghum Percent Coloring				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AR	100	100	100	100
CO	98	93	96	97
IL	99	96	98	97
KS	100	94	97	97
LA	100	100	100	100
MO	96	94	97	96
NE	100	99	100	100
NM	93	84	86	81
OK	97	91	96	96
SD	100	92	97	98
TX	96	95	96	97
11 Sts	99	94	97	97
These 11 States planted 99% of last year's sorghum acreage.				

Sorghum Percent Mature				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AR	100	100	100	100
CO	65	26	47	58
IL	79	84	86	83
KS	77	48	60	64
LA	100	100	100	100
MO	88	78	87	80
NE	94	62	81	82
NM	25	35	46	25
OK	84	61	76	78
SD	85	35	51	79
TX	85	80	82	84
11 Sts	80	60	69	73
These 11 States planted 99% of last year's sorghum acreage.				

Sorghum Percent Harvested				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AR	100	96	99	93
CO	15	1	2	13
IL	39	23	50	39
KS	28	7	9	22
LA	100	100	100	100
MO	51	25	39	40
NE	32	17	19	20
NM	0	3	3	0
OK	46	33	36	46
SD	39	1	3	32
TX	70	73	74	70
11 Sts	47	34	35	43
These 11 States harvested 99% of last year's sorghum acreage.				

Sorghum Condition by Percent					
	VP	P	F	G	EX
AR	0	10	36	47	7
CO	6	9	19	53	13
IL	8	17	29	39	7
KS	2	7	33	47	11
LA	0	1	36	59	4
MO	0	6	32	57	5
NE	3	2	20	54	21
NM	1	3	40	42	14
OK	0	4	35	57	4
SD	15	19	44	22	0
TX	1	3	18	62	16
11 Sts	2	6	28	52	12
Prev Wk	2	6	28	52	12
Prev Yr	1	5	29	51	14

Winter Wheat Percent Planted				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AR	13	13	18	12
CA	8	7	10	7
CO	85	57	70	83
ID	69	65	86	69
IL	18	9	30	25
IN	26	11	28	28
KS	55	21	27	59
MI	38	25	62	45
MO	21	10	19	20
MT	78	53	75	79
NE	94	70	77	87
NC	3	3	9	4
OH	28	18	43	36
OK	62	30	42	62
OR	54	36	49	43
SD	77	65	78	79
TX	46	40	54	52
WA	80	63	77	77
18 Sts	57	36	48	58
These 18 States planted 90% of last year's winter wheat acreage.				

Winter Wheat Percent Emerged				
	Prev Year	Prev Week	Oct 8 2017	5-Yr Avg
AR	6	1	6	3
CA	0	0	0	0
CO	57	29	38	49
ID	46	13	37	30
IL	3	0	1	6
IN	8	0	5	9
KS	27	9	15	29
MI	18	3	25	17
MO	7	3	7	7
MT	48	2	34	38
NE	75	42	57	57
NC	0	0	0	1
OH	4	0	11	12
OK	28	2	15	30
OR	19	9	24	14
SD	41	21	50	34
TX	29	15	30	27
WA	62	42	53	58
18 Sts	32	12	25	30
These 18 States planted 90% of last year's winter wheat acreage.				