

Kansas Grain Market Outlook

Stafford County Extension Marketing Group

St. John, Kansas - November 19, 2016

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Topics to be discussed.....

- 1) Overall Grain Market Situation – World & U.S.
- 2) Currency Exchange Rate impacts on the World grain trade & World grain prices
- 3) Market Outlook for Corn & Soybeans
 - ❖ “Revenue Insurance Planning & Harvest Price Perspective for Corn & Soybeans”

Current Grain Market Situation

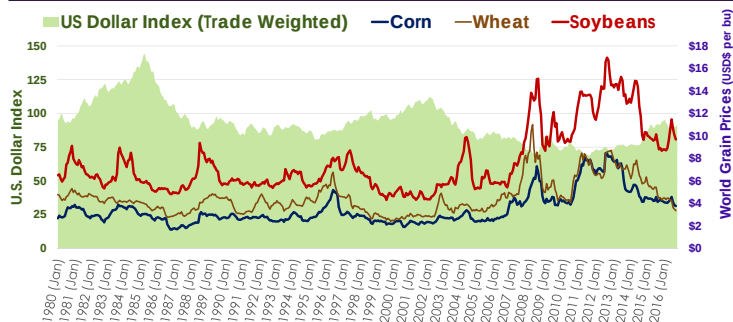
for U.S. & Kansas Farmers & Agribusinesses

- 1) Large grain supplies are limiting grain prices
- 2) Wheat prices in Kansas are below the Marketing Loan Rate
- 3) Grain farmers are now focusing on marketing 2016 Crops
- 4) U.S. & World Crop production plans for 2017??
 - More soybeans are likely in 2017 in South America & U.S.
 - Lower U.S. & World wheat acres with some World crop risk emerging
 - 2017 U.S. Corn acres to be same or higher – lower in Brazil & Argentina

U.S. Dollar Index (Trade Weighted) 1973 – October 2016

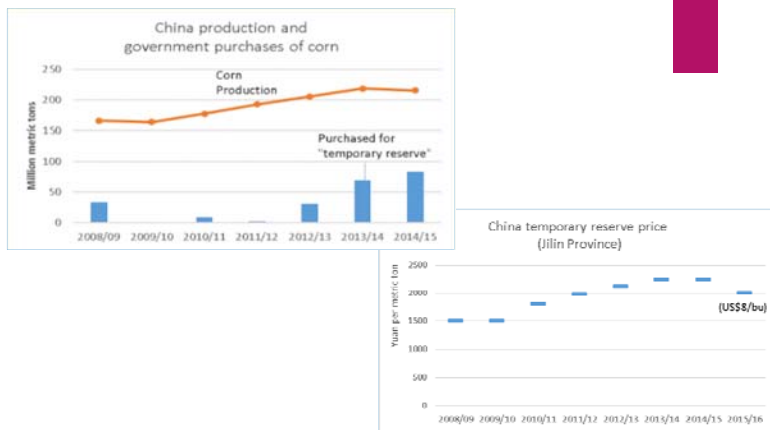
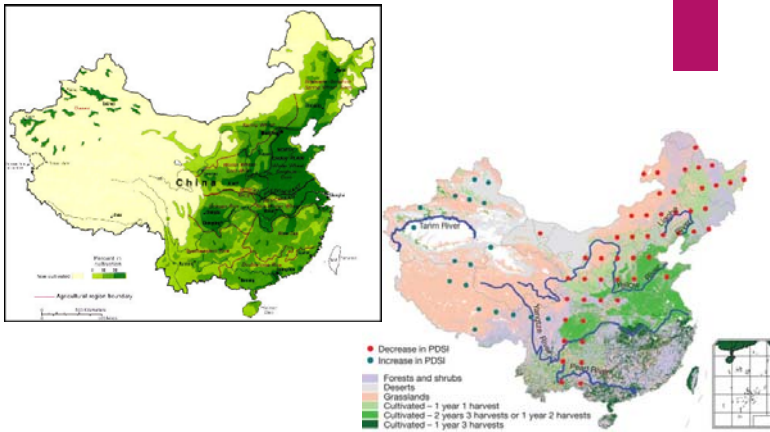


U.S. Dollar Index vs World Grain \$'s 1980 – Oct. 2016



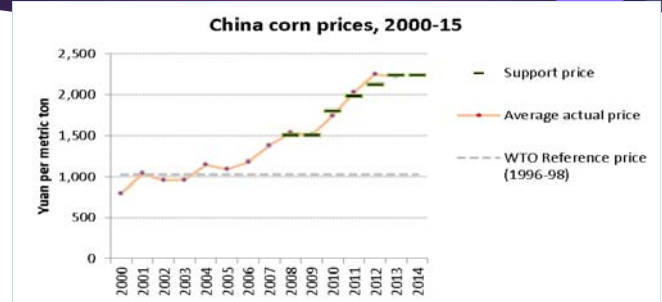
China Exchange Rates - Monthly



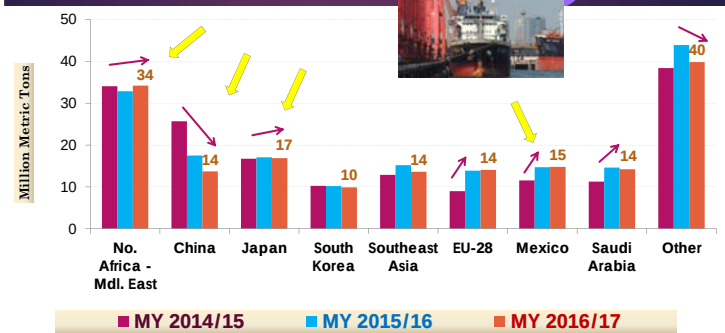


China Corn Temporary Reserve Price

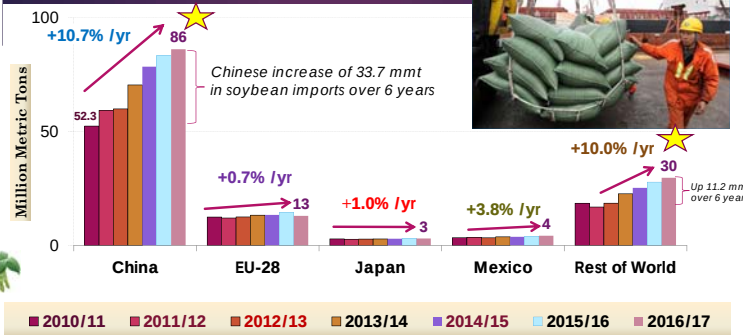
Source: www.dimsums.blogspot.com



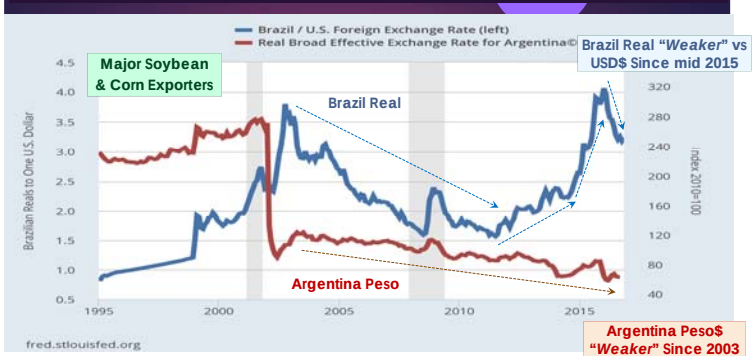
Coarse Grain Importers

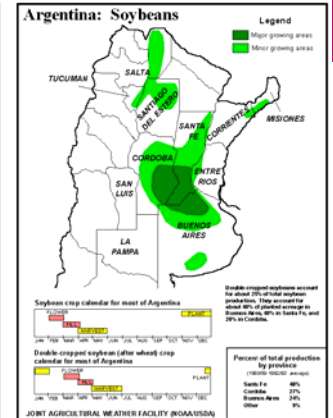
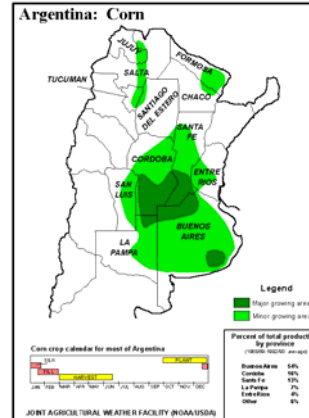
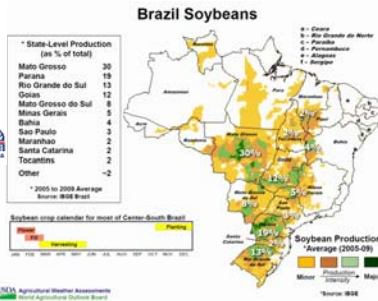
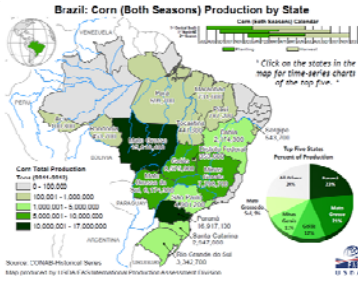


World Soybean Importers

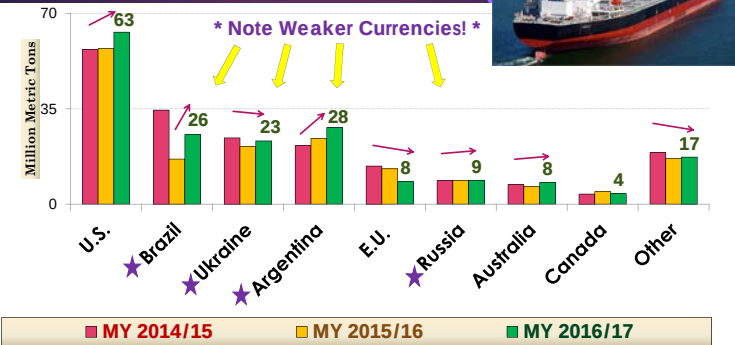


Brazil & Argentina Exchange Rates - Monthly

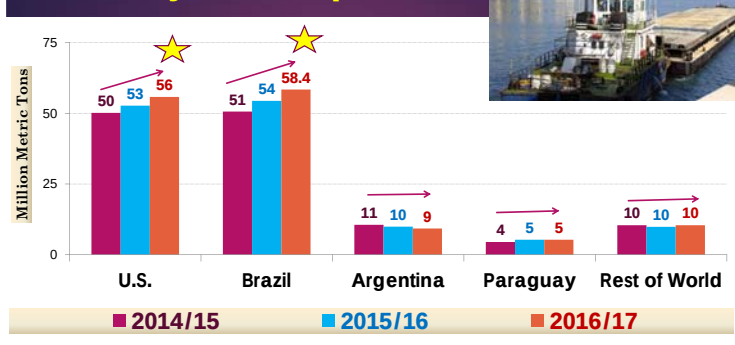




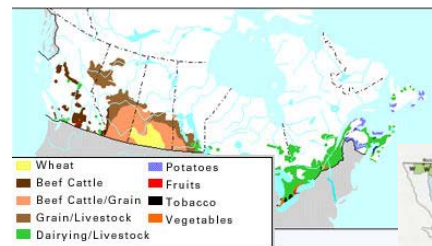
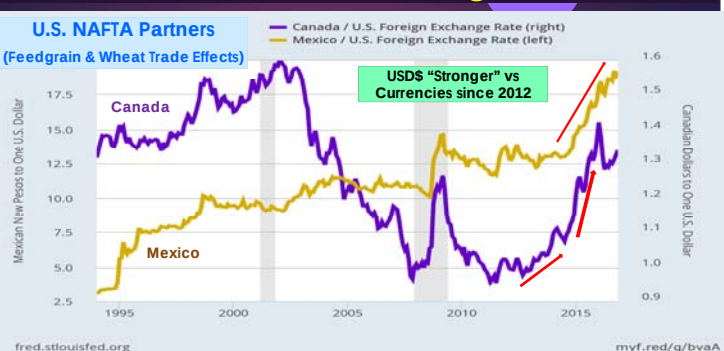
Coarse Grain Exporters



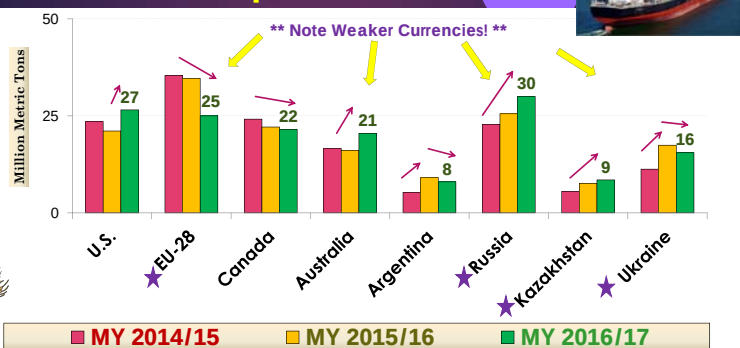
World Soybean Exporters



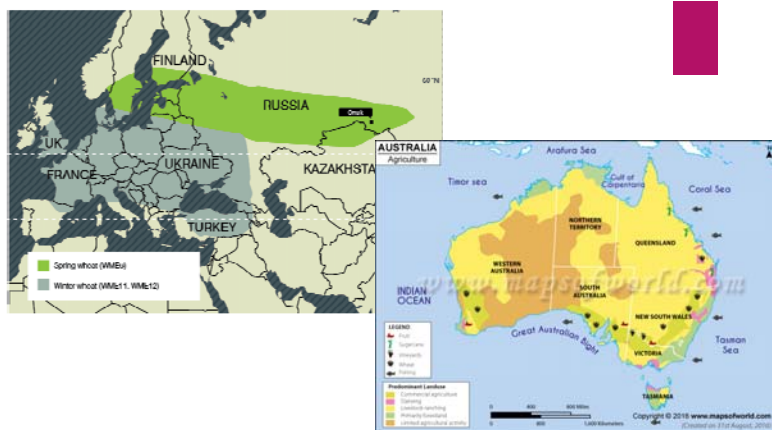
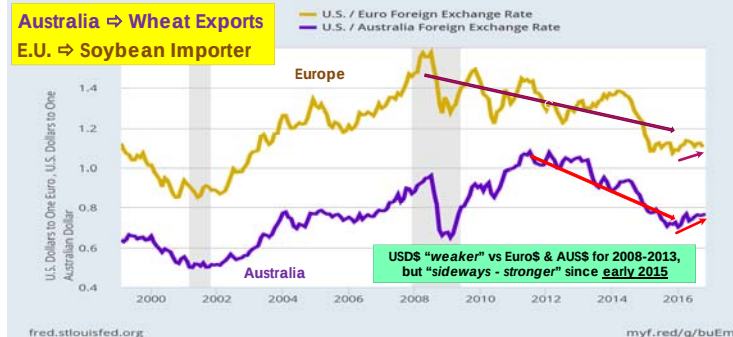
Canada & Mexico Exchange Rates - Monthly



World Wheat Exporters



Euro & Australia Currency per U.S. Dollar



Corn & Sorghum Markets



U.S. Feedgrain Market Prospects:

Low Prices "helping" Use, but Large Supplies are "limiting prices"

- Record large World & U.S. feedgrain supplies
- Low Corn \$'s have supported U.S. domestic use
 - Livestock Feed^{2016/17} = 5.650 bln bu (9 year high - vs 5.858 bb in 2007/08)
 - Corn Ethanol^{2016/17} = 5.300 bln bu (record high - vs 5.200 bb last 2 yrs)
 - Other FSI^{2016/17} = 1.435 bln bu (4 year high - vs 1.424 bb in 2011/12)
 - Exports^{2016/17} = 2.225 bln bu (9 year high - vs 2.437 bb in 2007/08)
- Sorghum exports declining from China "run" last 2-3 yrs

CME Corn Futures

Monthly Chart: Sept. 2007 – October 2016 + 11/16/2016 close



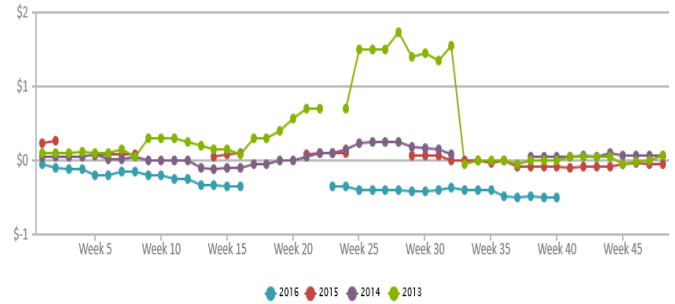
CME Corn Futures – Monthly 2008-2016***

A "Revenue Insurance" Focus – February & October Prices\$



PRATT, KS: Corn Basis - KANZA COOP

www.AgManager.info



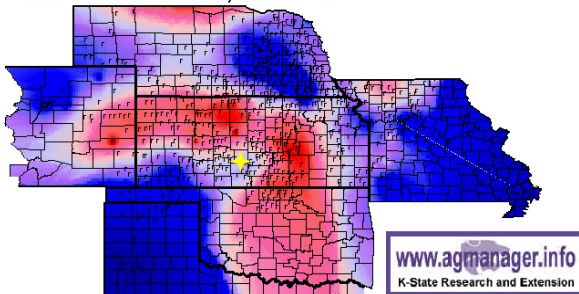
Corn Basis, 11-09-2016

Basis = Cash Price - Nearby Futures Price

CBT Dec
Futures
Price: \$3.41

\$/Bushel

- .41
- .44
- .47
- .50
- .54
- .59
- .64
- .68
- .72
- .80

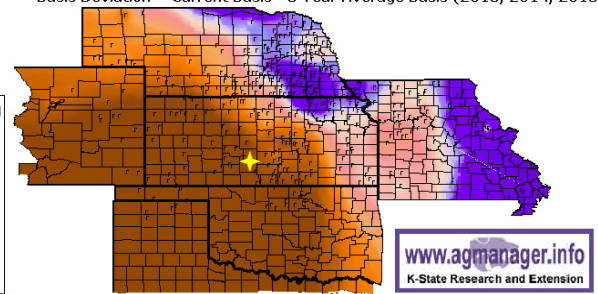


Corn Basis Deviation, 11-09-2016

Basis Deviation = Current Basis - 3 Year Average Basis (2013, 2014, 2015)

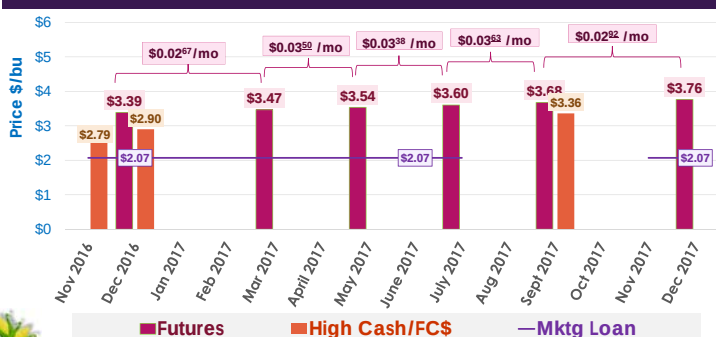
\$/Bushel

- .31
- .11
- .12
- .14
- .15
- .17
- .22
- .27
- .32
- .43



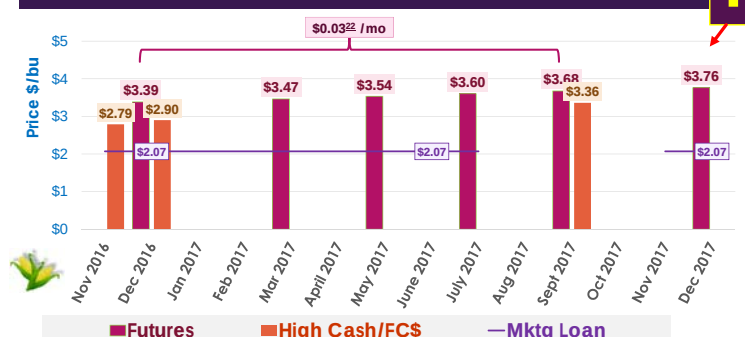
Corn Cash & Futures Prices – St. John, KS

Local Elevators – November 16, 2016



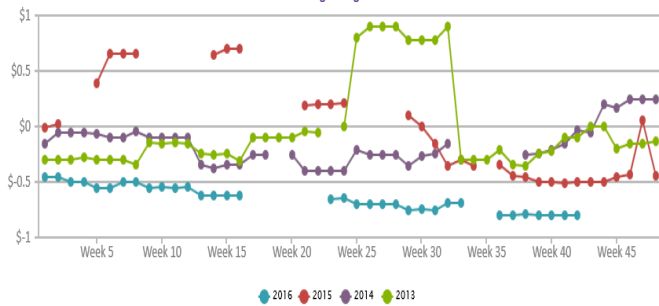
Corn Cash & Futures Prices – St. John, KS

Local Elevators – November 16, 2016



PRATT, KS: Grain Sorghum Basis - KANZA COOP

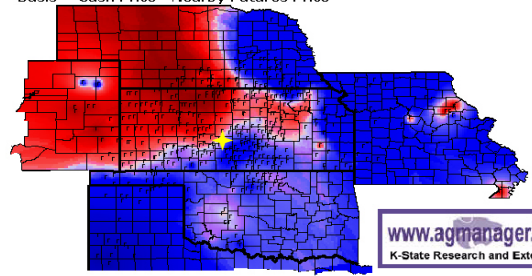
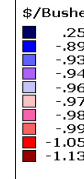
www.AgManager.info



Grain Sorghum Basis, 11-09-2016

Basis = Cash Price - Nearby Futures Price

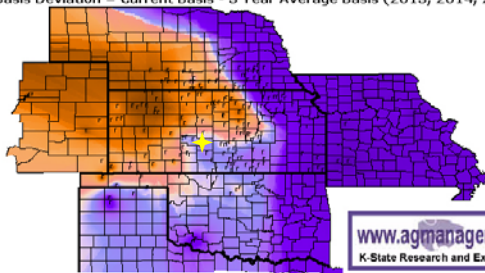
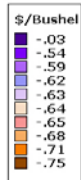
CBT Corn
Dec Futures
Price: \$3.41



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Grain Sorghum Basis Deviation, 11-09-2016

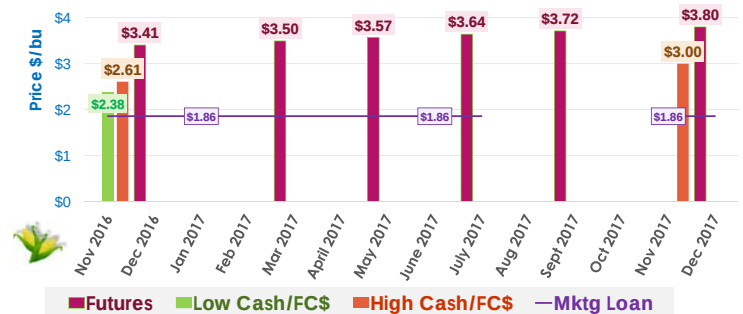
Basis Deviation = Current Basis - 3 Year Average Basis (2013, 2014, 2015)



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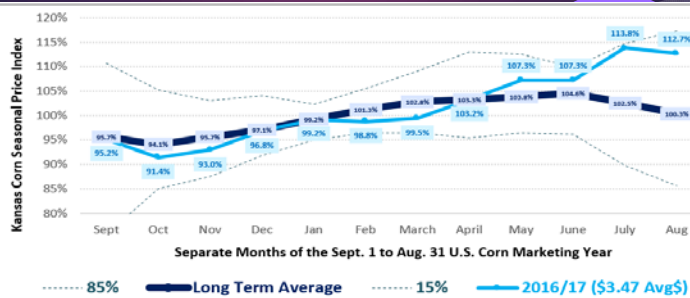
Sorghum Cash & Futures Prices – St. John, KS

Salina, Kansas Local Elevators – November 16, 2016

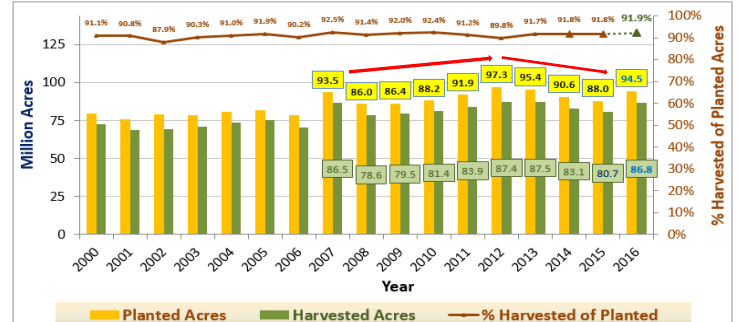


Kansas Corn Seasonal Cash \$ Index

Monthly Prices: 1999/2000 – 2015/16 + Forecast MY 2016/17

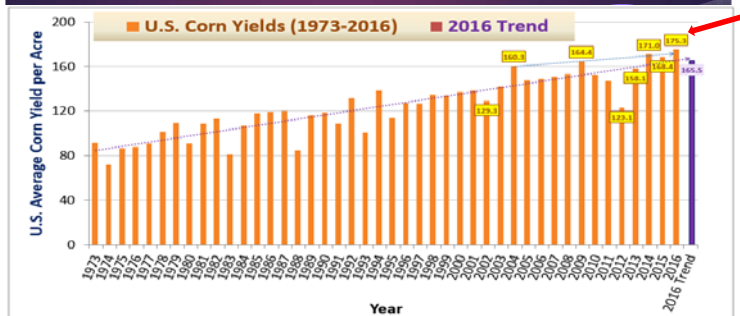


U.S. Corn Acreage: 2000-2016

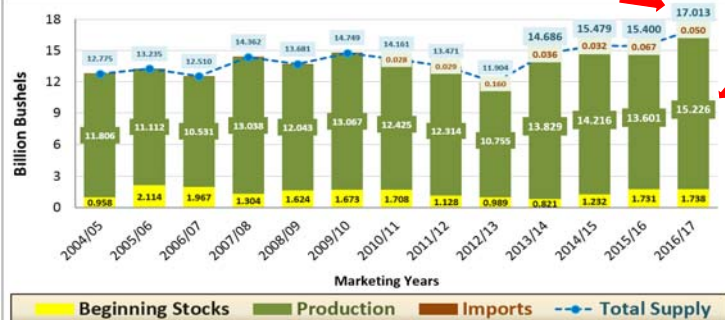


U.S. Corn Yields: 1973-2016

USDA 2016 USDA Forecast = 175.3 bu/acre



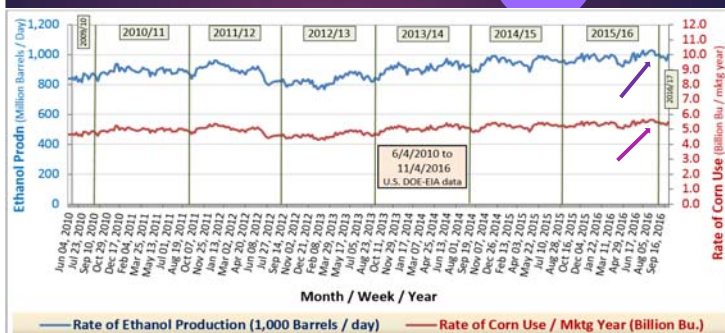
U.S. Corn Production & Supplies



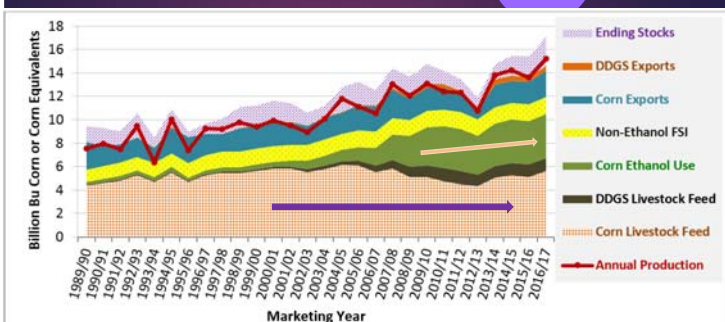
U.S. Corn Use - By Category



U.S. Ethanol Production & Corn Use



U.S. Corn Use - With DDGS #'s (since 1989/90)





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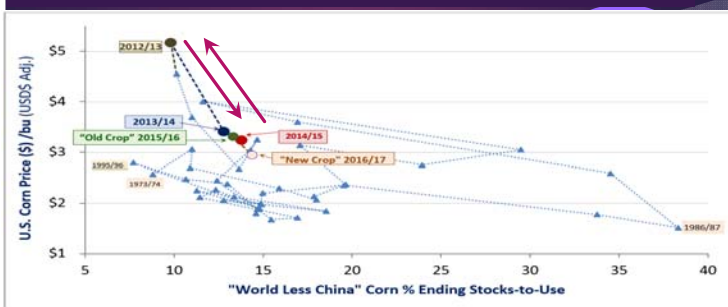
9/12/2016

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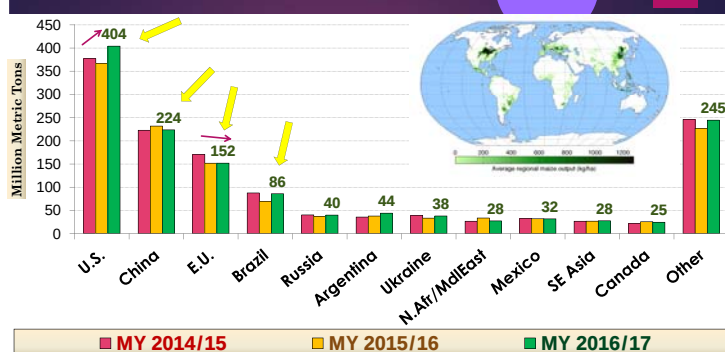


U.S. Corn \$USD adj vs World Less China % S/U

MY 1973/74 through "New Crop" MY 2016/17



World Coarse Grain Producers



Wheat Markets



KANSAS STATE UNIVERSITY Department of Agricultural Economics

World Wheat Market Prospects:

Large Supplies ⇒ A "Buyer's Market" (w. Quality concerns)

- **Record World Supplies & Usage Forecast in 2016/17**
 - 4th consecutive record high World wheat crop
- **Varying 2016/17 Crop Prospects by Country/Region**
 - ↑ U.S., Australia, Russia, Kazakhstan, Arg., India, Canada, Mdl. East
 - ↓ Europe, N. Africa, China (little change in Ukraine, Pakistan)
- **World wheat exports to remain a "buyer's market" unless or until World supplies & stocks decline**
 - "All World" vs "World Less China" perspective???

U.S. Wheat Market Prospects:

Moderate U.S. Exports, Quality Issues, Large Stocks, & Low Prices

- **U.S. wheat exports** are finding support from a lack of milling quality wheat available in the World market
- **U.S. HRW Wheat 2016** ⇒ 11.2% protein, 60.7 lb test, 1.2% defects
Vs 12.3% protein, 59.3 lb test wt, 1.7% defects in 2015
- **U.S. Spring Wheat 2016** ⇒ 14.2% protein, 61.2 lb test, 0.9% defects
Vs 14.2% protein, 61.4 lb test wt, 1.0% defects in 2015
- **U.S. SRW Wheat 2016** ⇒ 9.4% protein & 58.6 lb test, 1.4% defects
Vs 10.0% protein, 56.9 lb test wt, 4.3% defects in 2015

CME Kansas Hard Red Winter Wheat

Monthly Chart: Sept. 2007 – October 2016 + 11/19/2016 close



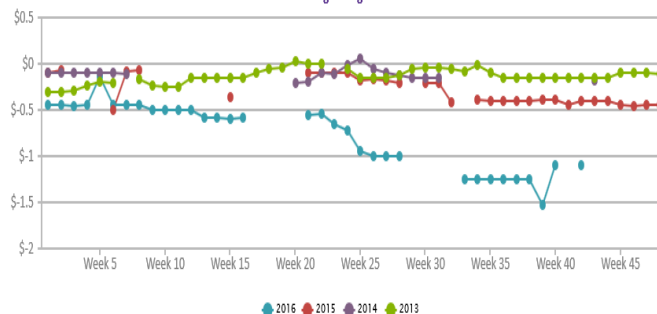
CME HRW Wheat Futures – 2007-2016***

A "Revenue Insurance" Focus – Aug-Sept & June Prices\$



PRATT, KS: Hard Red Winter Wheat Basis - KANZA COOP

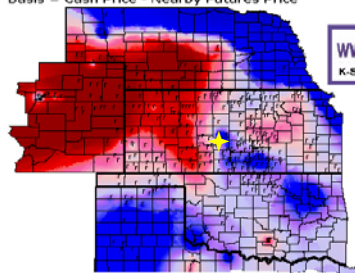
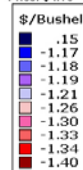
www.AgManager.info



Wheat Basis, 11-09-2016

Basis = Cash Price - Nearby Futures Price

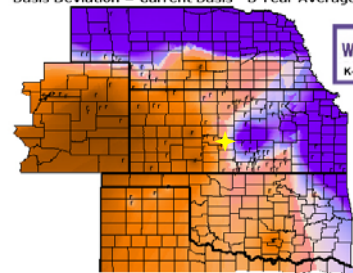
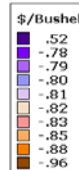
KCBT Dec
Futures
Price: \$4.10



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Wheat Basis Deviation, 11-09-2016

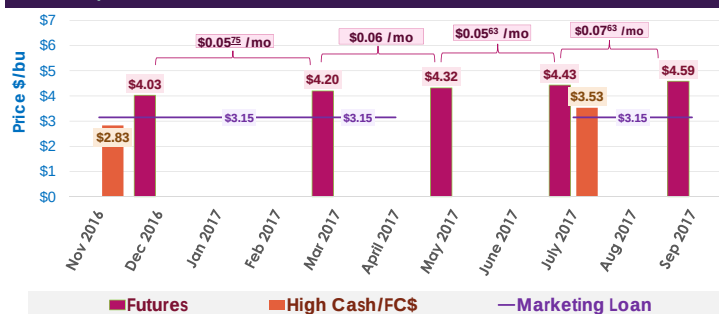
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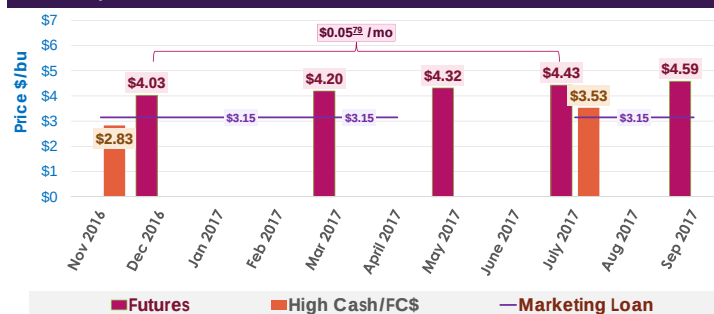
Wheat Cash & HRW Wheat Futures

St. John, Kansas Local Elevators - November 16, 2016



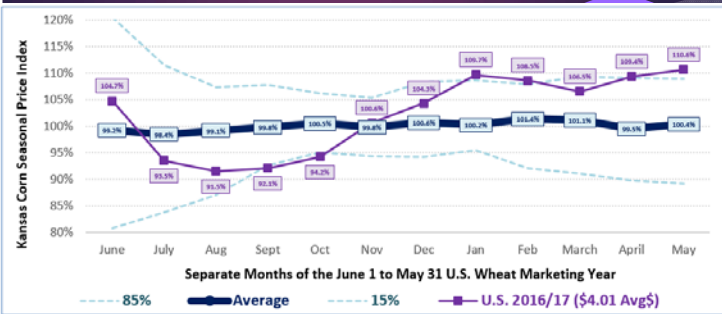
Wheat Cash & HRW Wheat Futures

St. John, Kansas Local Elevators - November 16, 2016

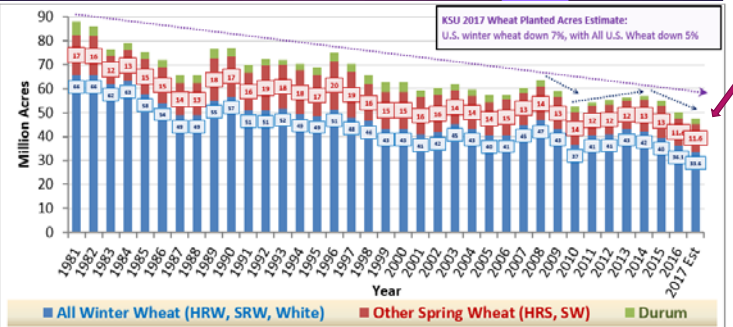


Kansas Wheat Seasonal Cash \$ Index

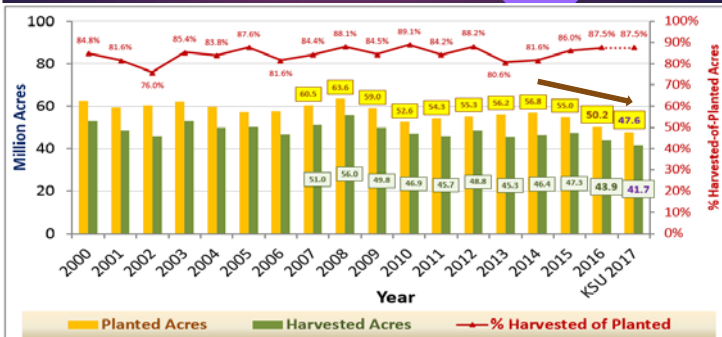
Monthly Prices: 1999/00 – 2015/16 + "Current" MY 2016/17



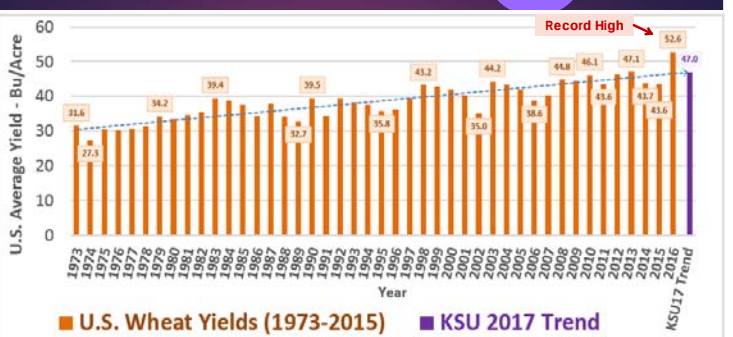
U.S. Wheat Seeded Acreage



U.S. Wheat Acreage: 2000-2017^{est}



U.S. Wheat Yields: 1973-2017^{est}



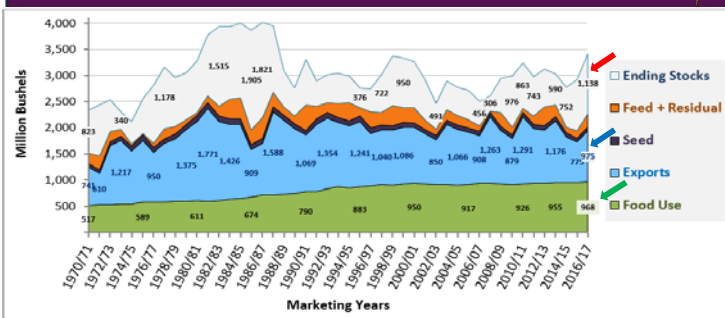
U.S. Wheat Production & Supplies

MY 2004/05 – "Current Crop" MY 2016/17



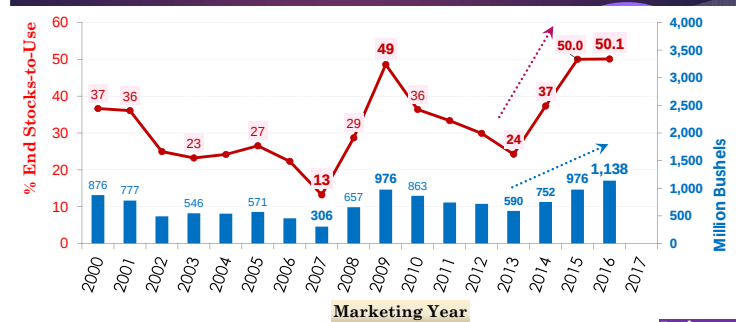
U.S. Wheat Use by Category & Stocks

MY 2004/05 – “Current Crop” MY 2016/17



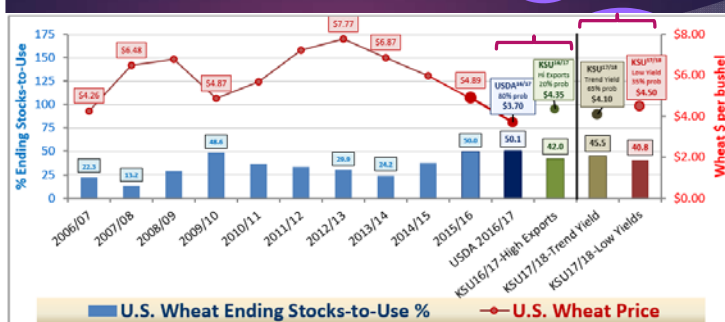
U.S. Wheat Ending Stocks & % Stocks/Use

MY 2000/01 – “Current Crop” MY 2016/17



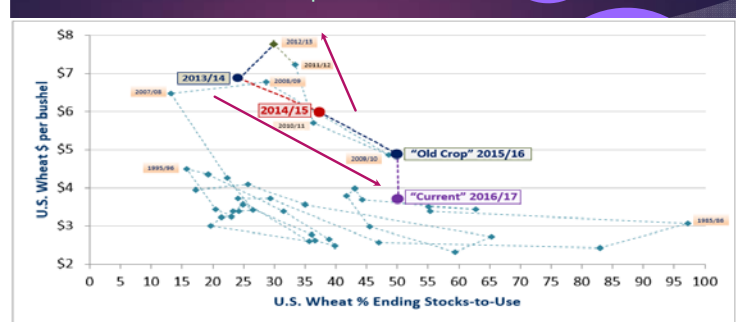
U.S. Wheat Ending Stocks & Prices

MY 2006/07 – Forecast “Next Crop” MY 2017/18^{KSU}

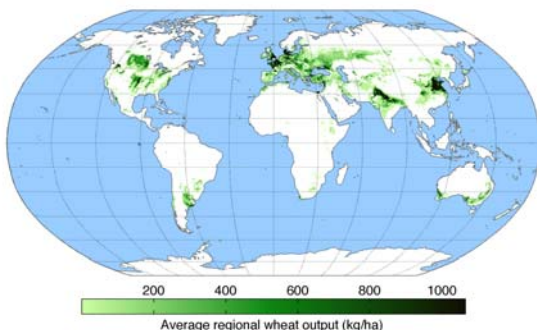


U.S. Wheat Price vs U.S. % Stocks-to-Use

MY 1973/74 – “Current Crop” MY 2016/17



World Wheat Production Regions



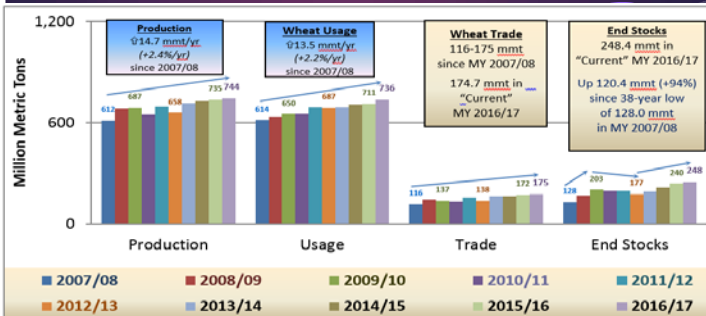
Monthly Crop Calendar for Wheat

	USDA Prod Est.	16/17	Change	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Brazil	6.00	0.70													
Canada Spring	30.50	0.50													
US Spring	63.16	0.00													
Australia	27.50	1.00													
Russia Spring	72.00	0.00													
Kazakhstan	16.50	1.50													
China Spring	128.00	(2.00)													
Ukraine Spring	27.00	0.00													
Argentina	14.40	0.00													
Russia Winter															
Ukraine Winter															
EU Winter	145.27	(2.23)													
Turkey	17.50	0.00													
Egypt	8.10	0.00													
US Winter															
India	90.00	2.00													
China Winter															

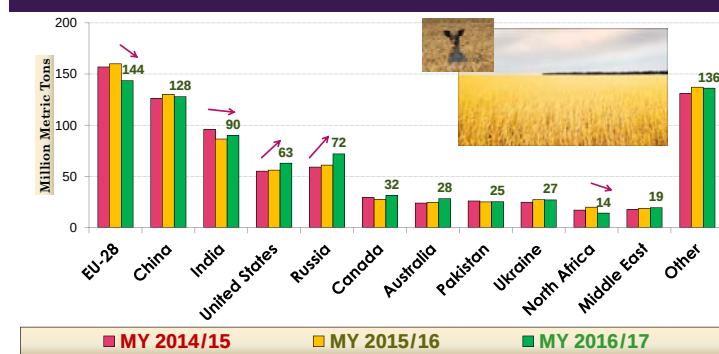
Sources: USDA and AMIS
 **Production estimates are in million metric tons and come from the FAS/USDA's most recent monthly World Agricultural Production report.
 **Production estimates are for ALL WHEAT. Numbers will be listed next to the variety that comes first in the chart.
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World Wheat Supply, Use & End Stocks

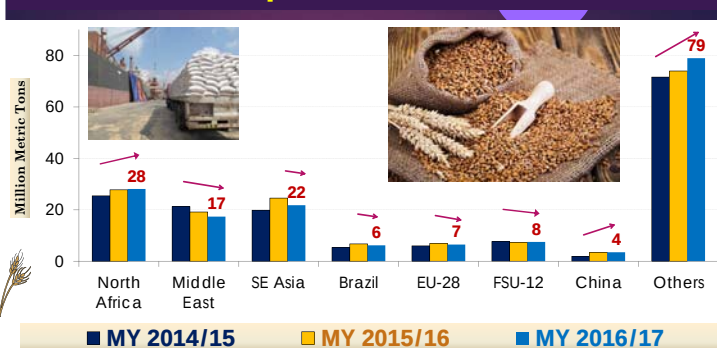
MY 2007/08 – MY 2016/17



World Wheat Producers: MY 2014/15 – 2016/17



World Wheat Importers: MY 2014/15 – MY 2016/17

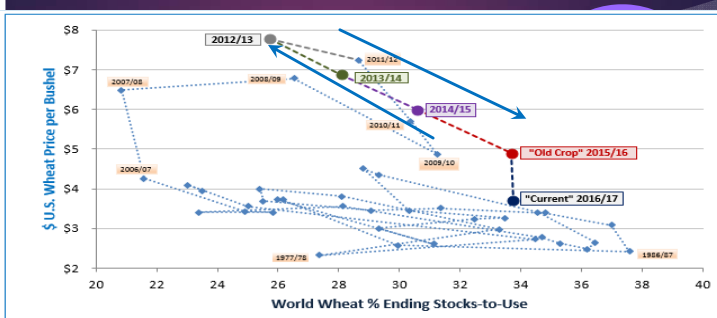


World Wheat Ending Stocks & % Stx/Use



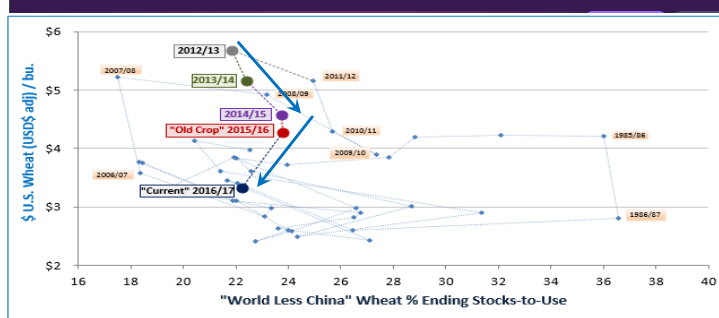
U.S. Wheat Price (\$) vs World %Stx/Use

MY 1973/74 – "Current" MY 2016/17



U.S. Wheat Price^{USD\$ adj} vs World Less China %Stx/Use

MY 1973/74 – "Current" MY 2016/17



Soybean Markets



KANSAS STATE UNIVERSITY
Department of Agricultural Economics

U.S. Soybean Market Prospects:

"Strong" Use & Exports – but with Large Stocks & Weak Prices

- **U.S. soybean exports in 2016/17 to remain historically large** in spite of higher U.S. Dollar exchange rate
 - Depends on China imports & 2017 South American crops
- **Low Prices have supported record high U.S. Soybean Use**
 - **Crush^{2016/17}** = 1.930 bln bu (record > 1.886 bb in MY 2015/16)
 - **Exports^{2016/17}** = 2.050 bln bu (record > 1.936 bb vs MY 2015/16)
 - "**Uncertainty**" re: 2017 South American soybean crop size

CME Soybean Futures

Monthly Chart: Sept. 2007 – October 2016 + 11/16/2016 close



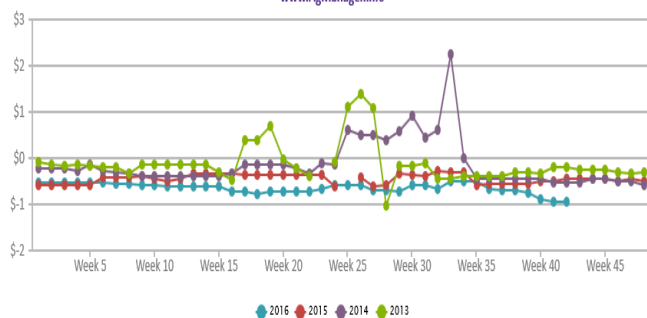
CME Soybean Futures

A "Revenue Insurance" Focus – February & October Prices\$



HUTCHINSON, KS: Soybeans Basis - CARGILL

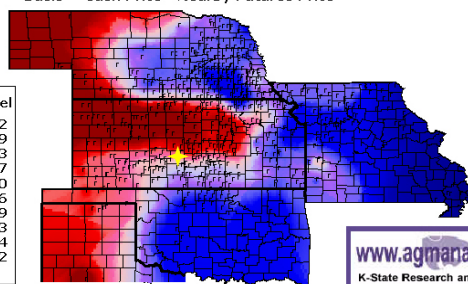
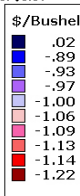
www.AgManager.info



Soybean Basis, 11-09-2016

Basis = Cash Price - Nearby Futures Price

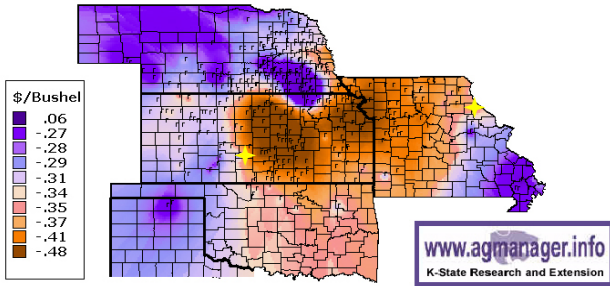
CBT Jan
Futures
Price: \$9.91



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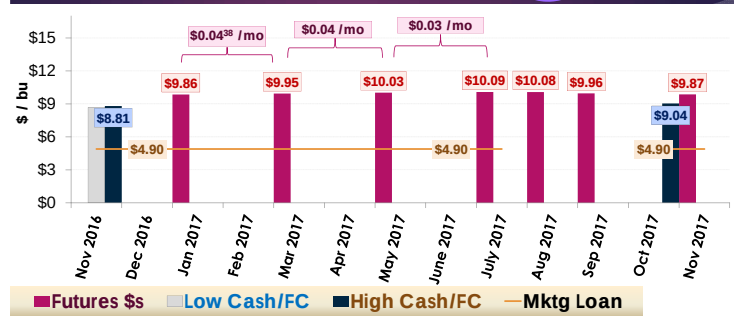
Soybean Basis Deviation, 11-09-2016

Basis Deviation = Current Basis - 3 Year Average Basis (2013, 2014, 2015)



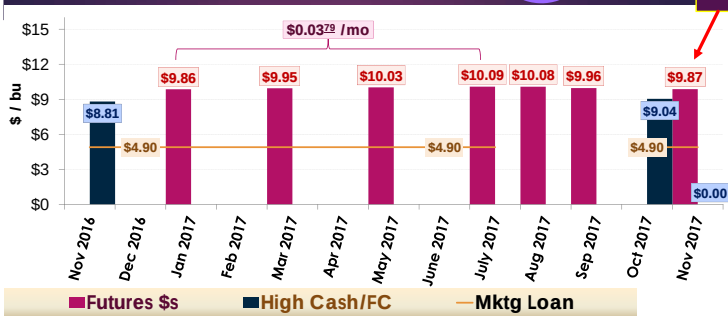
Soybean Cash, Futures – St. Johns, KS

Local Elevators – November 16, 2016



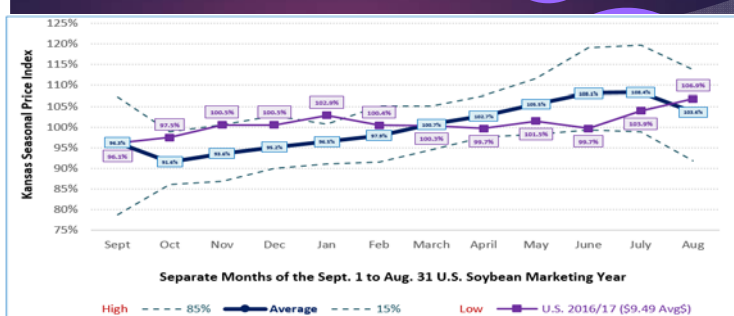
Soybean Cash, Futures – St. Johns, KS

Local Elevators – November 16, 2016

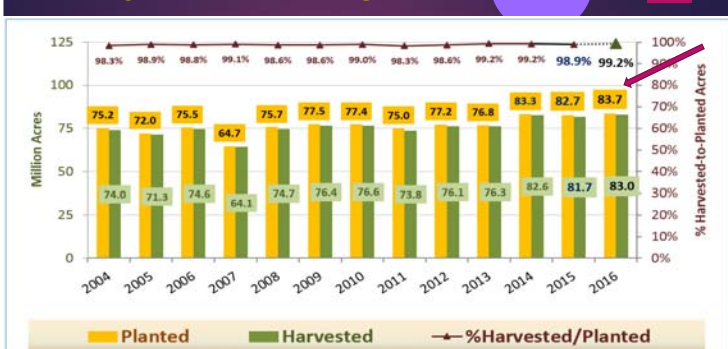


Kansas Soybean Seasonal Cash \$ Index

Monthly Prices: 1999/00 – 2015/16 + "New Crop" MY 2016/27

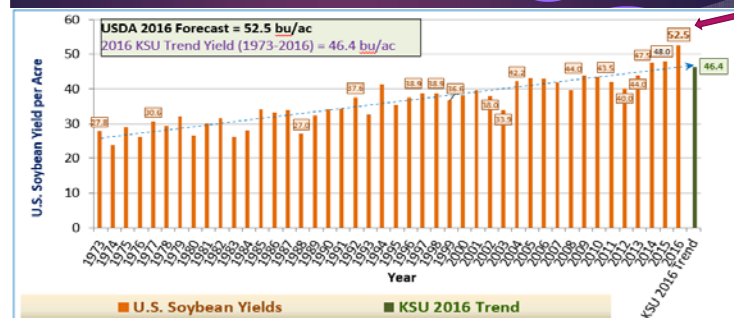


U.S. Soybean Acreage: 2004-2016



U.S. Soybean Yields: 1990-2016

USDA 2016 = 52.5 bu/ac; 2016 Trend¹⁹⁷³⁻²⁰¹⁵ = 46.4



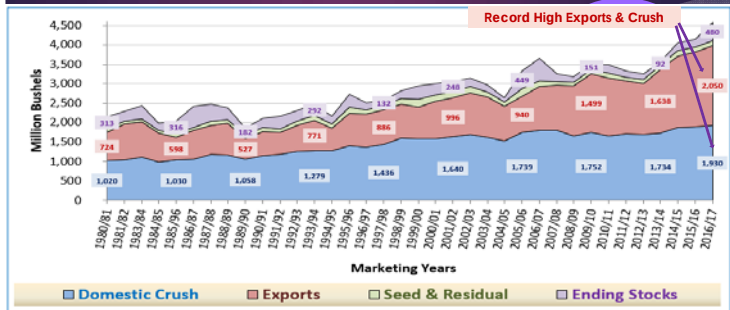
U.S. Soybean Production & Supplies

MY 2001/02 – “New Crop” MY 2016/17



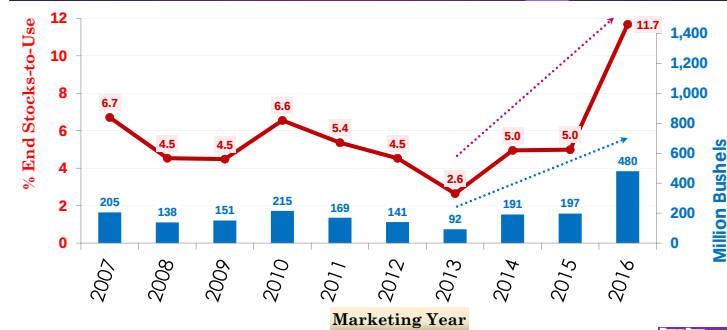
U.S. Soybean Use & Ending Stocks

MY 2004/05 – “New Crop” MY 2016/17



U.S. Soybean Ending Stocks & % Stx/Use

MY 2007/08 – “New Crop” MY 2016/17



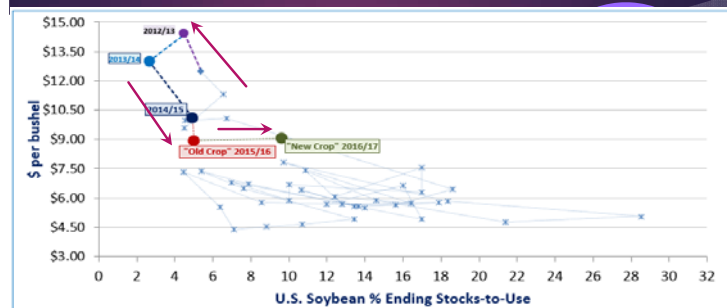
U.S. Soybean % Stocks/Use vs Price\$

MY 2006/07 – “New Crop” MY 2016/17



U.S. Soybean \$ vs U.S. Stx-to-Use

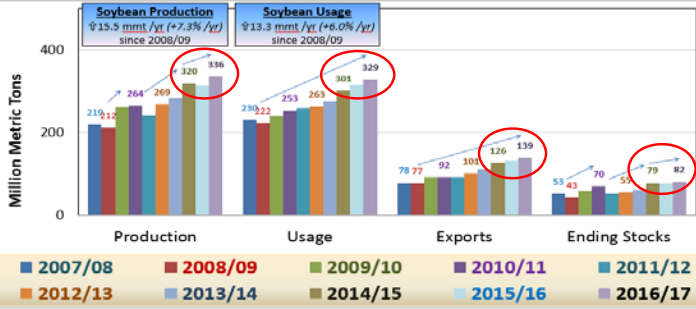
MY 1973/74 through “Next Crop” MY 2016/17



Soybean Production
 $\psi 15.5 \text{ mmt /yr } (+7.3\% / \text{yr})$
 since 2008/09

Soybean Usage
 $\psi 13.3 \text{ mmt /yr } (+6.0\% / \text{yr})$
 since 2008/09

Year	Production (MMT)	Usage (MMT)	Exports (MMT)	Ending Stocks (MMT)
2007/08	219	230	78	53
2008/09	212	222	77	43
2009/10	264	253	92	60
2010/11	269	263	100	50
2011/12	280	280	126	79
2012/13	320	301	139	82
2013/14	336	329	139	82
2014/15	336	329	139	82
2015/16	336	329	139	82
2016/17	336	329	139	82

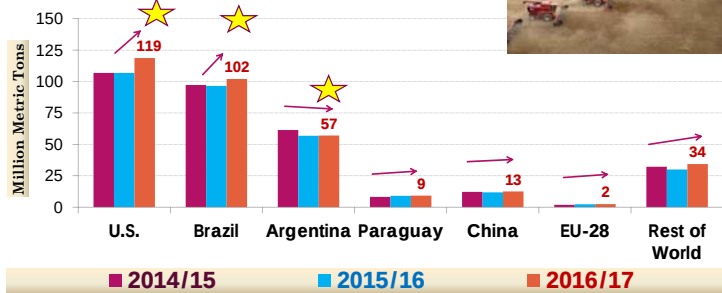
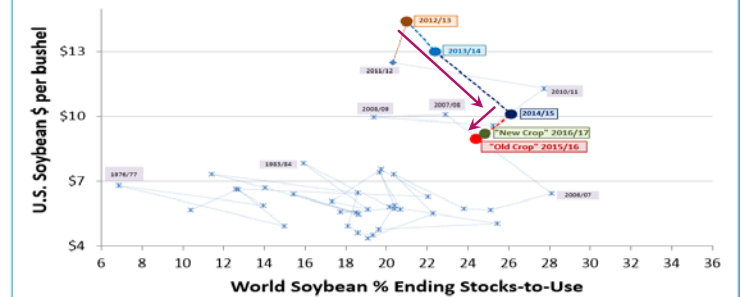


9/12/2016

[illegible]

*Production estimates are in million metric tons and come from the FAS/USDA's most recent monthly World Agricultural Production report.

Country/Region	2014/15	2015/16	2016/17
U.S.	119	102	57
Brazil	9	13	2
Argentina	9	13	2
Paraguay	9	13	2
China	9	13	2
EU-28	9	13	2
Rest of World	34	34	34

[illegible]

A collage of images related to corn production. It includes: a bundle of harvested yellow corn ears; a close-up of a corn cob on the stalk; a corn plant growing in a field; a corn cob with green husks; a large industrial corn processing facility with tall silos; and a corn field at sunset with silos in the background.

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