

Topics to be discussed.....

- 1) U.S.-China Trade & Other Key Grain Market Factors
- 2) Wheat Market Analysis & Outlook
- 3) Trends in KS HRW Wheat Futures

Unpredictable Grain Markets in 2018-19

- ☐ The "Ups & Downs" of U.S. Trade Tensions
 - U.S. Abandonment of the Trans Pacific Partnership (TPP)
 - Potential impact on U.S. wheat exports vs TPP Countries
 - U.S. vs China
 - Soybeans & Sorghum (Need of both "With" & "Without" Scenarios)
 - NAFTA (U.S.-Mexico-Canada)
 - Mexico grain purchases from the U.S.
 - Canada grain export competition vs U.S. (Wheat, Oilseeds)

USDA Market Facilitation Payments (MFP)

- A. Direct payments to farmers of <u>soybeans</u>, <u>sorghum</u>, <u>corn</u>, <u>wheat</u>, <u>cotton</u>, dairy & hogs.
 - Soybean MFPs = \$1.65 /bu x 50% of production (\$3.700 bln)
 - Sorghum MFPs = \$0.86 /bu x 50% of production (\$156 mln)
 - Wheat MFPs = $$0.14 / \text{bu } \times 50\%$ of production (\$119 mln)
 - Corn MFPs = $$0.01 / \text{bu } \times 50\%$ of production (\$ 96 mln)
 - Cotton MFPs = \$0.06 / lb x 50% of production (\$277 mln)

Market Facilitation Payments (MFP) more

- A. Direct payments to farmers of soybeans, sorghum, corn, wheat, cotton, dairy & hogs.
 - Hog MFPs = \$8.00 /head x 50% of production (\$290 mln)
 - **Dairy MFPs** = 0.12 /cwt milk x 50% of MPP Production (127 mln)
- ☐ No Adjustments for Low Yields in 2018

"The aid is based on this year's production. It will not be adjusted for those who suffered low yields due to factors such as drought."

DTN Chris Clayton 8/27/2018

USDA Market Facilitation Payments (MFP)

- 2) Purchases of foods including fruits, nuts, rice, legumes, beef, pork & milk for distribution to food banks & nutrition programs.
 - Pork purchases = \$ 558.8 mln
 - **Dairy purchases** = \$ 84.9 mln
 - **Beef purchases** = \$ 14.8 mln
 - Apple purchases = \$ 93.4 mln
 - Other purchases = \$ 578.1 mln
 - Total purchases = \$1.238 bln

USDA Market Facilitation Payments (MFP)

Farmers apply after harvest is 100 percent complete

- 1) Eligible applicants must have an ownership interest in the commodity, be actively engaged in farming.
- 2) Adjusted Gross Income (AGI) limit is \$900,000.
- 3) \$125,000 payment limit.
- 4) A \$1.65 /bu MFP for soybeans may leave "little room" for hog & dairy payments on a combined crop & livestock farm operation.

Economic Impact of U.S.-China Tariffs (Hayes, Hart ISU)

- ► The U.S. will continue to export soybeans to China, & this means that a 25% wedge will exist (i.e., 25% Tariff = 25% "Wedge)
 - o IF the U.S. was equal to 50% the World Soybean Production, THEN the U.S. Soybean price should fall by 12.5% (1/2 of 25% "wedge")
 - o **BUT** the **U.S.** *only* produces 33% of <u>World Soybean Production</u>, *SO* the <u>U.S. Soybean price</u> will be down $\approx 1.75 /bu
 - IF Soybeans are \$1.75 lower THEN U.S. Corn will be \$0.70 /bu lower

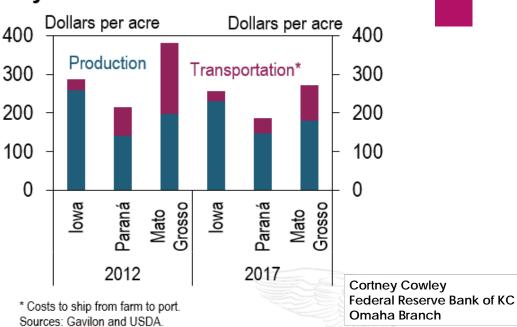
MFP Questions at this time....

- 1. Will MFP be paid on bushels indemnified for price loss?
- 2. Is conservation compliance required?
- 3. Is the \$125,000 payment limit a new limit? Some farmers will have already hit the limit via other programs.
- 4. Will payments be made on minor oilseeds (Sunflower, Canola, Dry Beans)?
- 5. Can farmers wait until 2019 to file the MFP claim?
- 6. With the low corn yields in Eastern Kansas this year, it will cost more to cut the check than the face value of the check. A penny payment will generate some very small payments for a large number of corn producers.

Economic Impact of U.S.-China Tariffs (Hayes, Hart ISU)

- ▶ Based on "old crop" MY 2017/18 Ending Stocks, U.S. Corn prices are now \$0.50 /bu lower than they would usually be
- **▶** U.S.-China Possible Impact on U.S. Export Competitiveness
 - US soybean producers do not have a 25% cost advantage over Brazil
 - If this "*Trade War*" between the U.S. & China goes on long enough, the U.S. will *likely* need to downsize U.S. soybean production by 30%
 - As a result "IF Soybeans are \$1.75 lower THEN <u>U.S. Corn</u> will be \$0.70 /bu lower." (because U.S. Corn Acres-Production will have increased)

Soybean Costs in the U.S. and Brazil



Grain Market Events to Come

- 1) 2018 U.S. Corn & Soybean harvest (Oct-Nov 2018)
 - o **Corn**²⁰¹⁸ < 14.6 bln bu? **⇒** End Stocks < 1.684 bb?
 - o Soybeans²⁰¹⁸ < 4.6 bln bu? ⊃ End Stocks < 785 mb?
- 2) U.S. HRW Wheat Seedings (Oct ²⁰¹⁸)
 - o Increase in response to û HRW wheat \$'s in 2018?
 - o **Profits** for 2018 Kansas HRW Wheat vs Other Crops

More Grain Market Events to Anticipate....

- 3) 2019 South America Crop Plantings (Nov 2018-Jan 2019)
 - Soybeans So-Am 2019 Up 5-10% ? Texisting or 'New' Acres?
 - Corn So-Am 2019 Down 5% ? 3 2nd Crop Impact (Exports)?
- 4) Break Dormancy for 2017 HRW Wheat Crop (March 2019)
 - Uncertain conditions affecting Kansas HRW Wheat at that time (????)

More Grain Market Events to Anticipate....

- 5) 2019 U.S. Fall Harvested Crop Plantings (April-May 2019)
 - Soybeans U.S 2019 Down ≈ 4 mln ac. ? U.S.-China Trade Status?
 - Corn U.S. 2019 Up \approx 4 mln ac. ? \blacksquare More if South America \heartsuit
- 6) 2019 U.S. HRW Crop Development (April-June 2019)
 - What will be that protein / quality condition of the 2019 crop?
 - What "cross over" wheat market impacts might their be??

Yet Still MORE Events to Come....

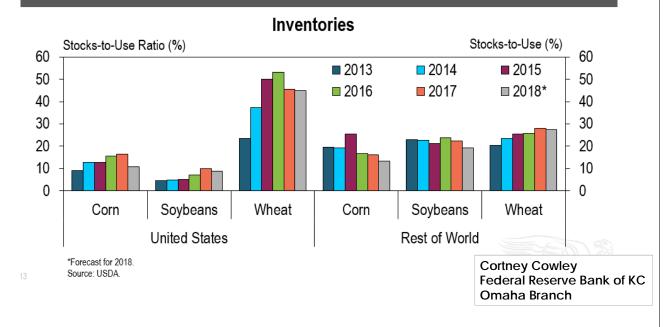
- 7) 2019 South America Crop Development (Jan-May 2019)
 - El Nino forecast ²⁰¹⁹ ⇒ Wetter than normal in Spring-early Summer, but not a certain effect on their crops
- 8) 2019 U.S. Crop Developments (May-Oct ²⁰¹⁹)
 - El Nino forecast ²⁰¹⁹

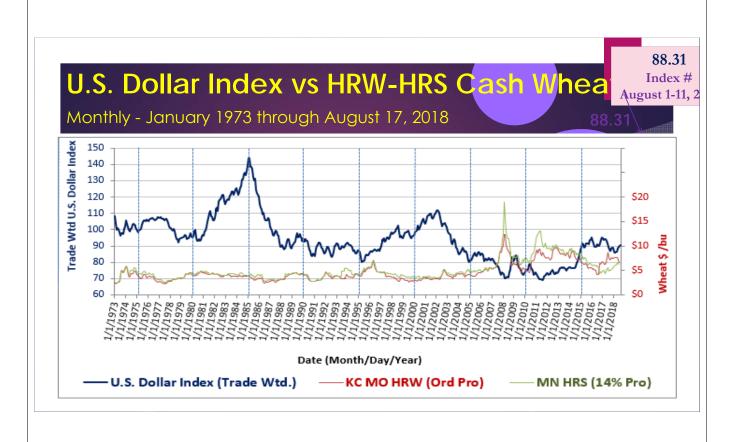
 Generally <u>positive</u> for U.S. crops, but also NOT a certain effect in the U.S. growing season

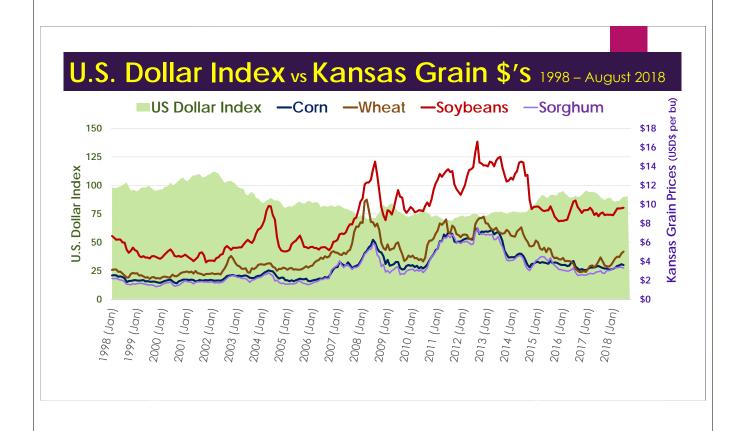
Yet Still MORE Events to Come....

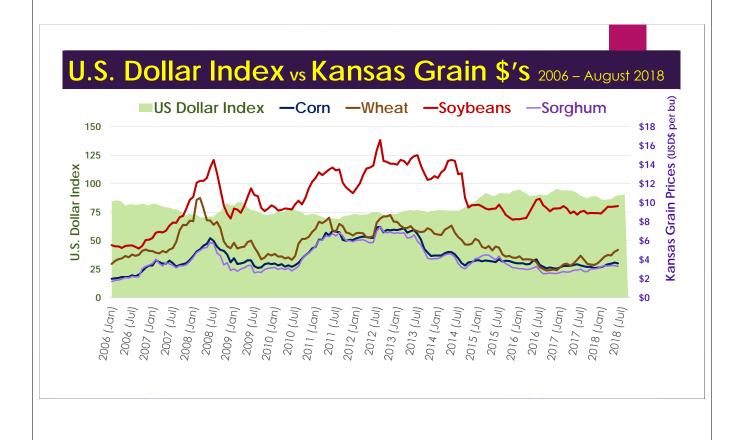
- 9) 2019 U.S. HRW Wheat Harvest (June-July 2019)
 - Q. <u>Yields</u>: What are the odds of a "normal"-"large" 2019 U.S. HRW crop vs a "short" one ???
 - Q. <u>Protein Quality</u>: What are the odds of a "normal" or "low" protein crop in 2019 for U.S. HRW wheat vs a "high" protein crop ???

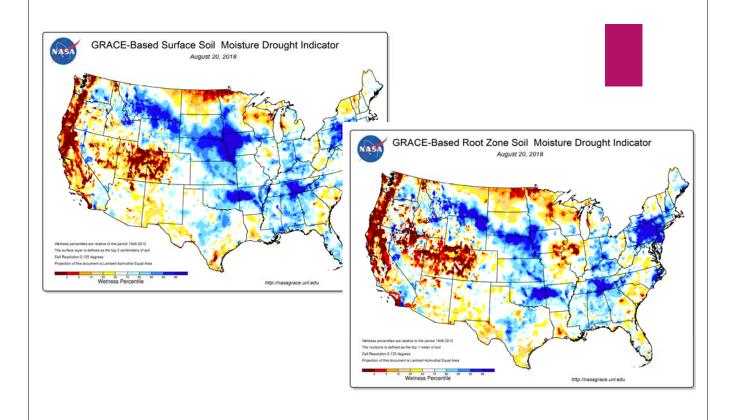
Inventories have been record large, but are expected to decline in 2018.

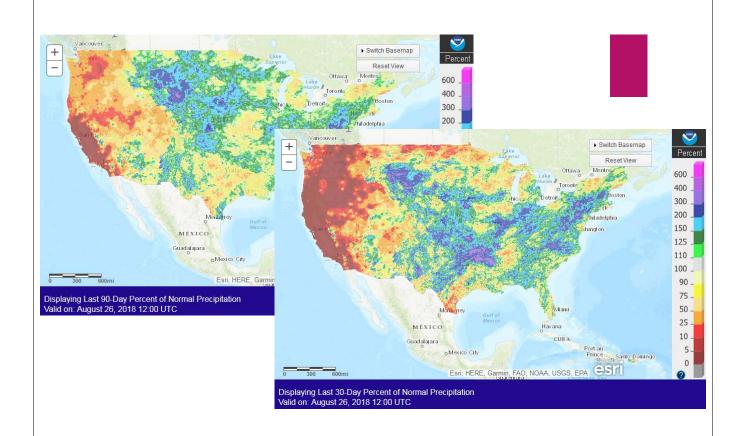


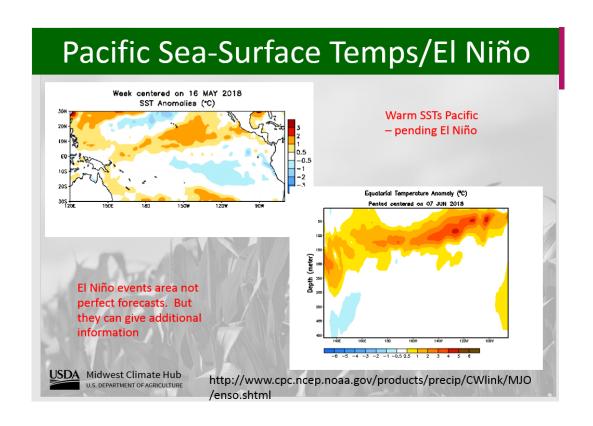


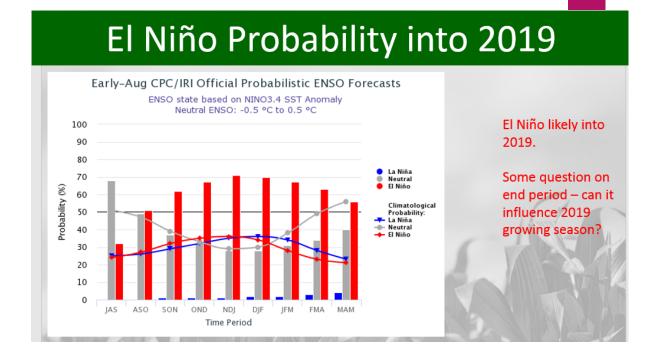








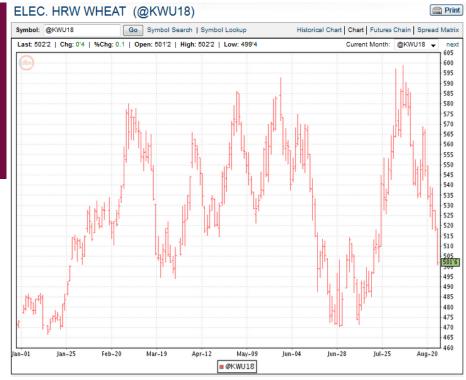


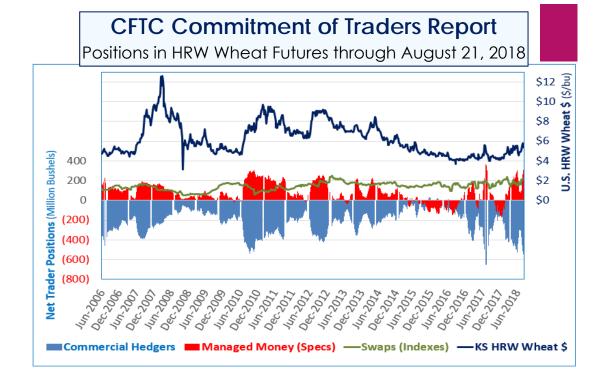


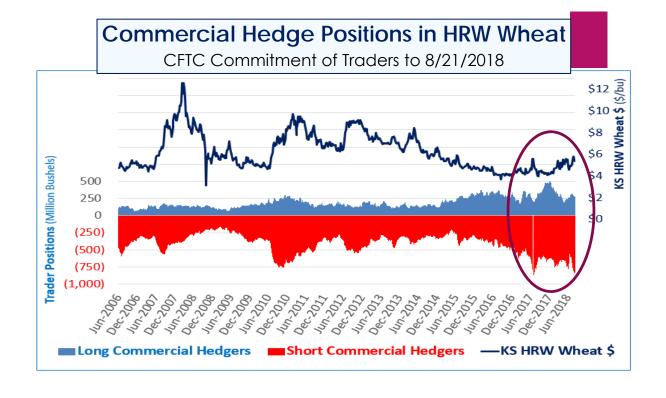


DEC 2018 KS HRW Wheat Futures

August 27, 2018

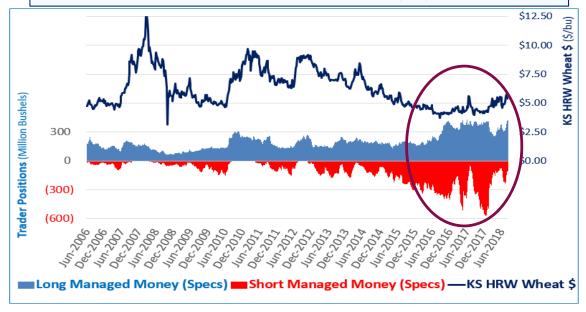






Managed Money (Spec) Positions in HRW Wheat

CFTC Commitment of Traders to 8/21/2018



U.S. Wheat Supply-Use

- Market support from World crop problems & higher protein in the 2018 U.S. HRW crop
 - Anticipating *lower* U.S. & World Wheat Stocks
- Markets expect <u>U.S. Wheat Exports</u> to increase

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• Exports <sup>2018/19</sup> = 1.025 bln bu (778 mb - 1.291 bb range since 2008/09)
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o Food Use $^{2018/19}$ = 970 mln bu (Level Use since MY 2012/13)

o Feed Use $^{2018/19}$ = 120 mln bu (Down from 228-365 mb in 2012 - 2013)

o HRW Exports ^{2018/19} = 395 mln bu (*vs* 371 mb & 455 mb last 2 years)

U.S. Wheat Stocks.....

- All U.S. Wheat: "Declining" Stocks
 - o End Stocks ^{2018/19} 935 mln bu

(55.6% Stx/Use last year)

(1.100 bb last year)

- U.S. HRW Wheat: "Still Large" Carryover (also declining)
 - o End Stocks ^{2018/19}

391 mln bu

(581 mb last year)

o % Stocks/Use ^{2017/18} ⇒



(76.0% Stx/Use last year)

EASSAS STATE

2018 U.S. Wheat Quality & Grades



- HRW Wheat ²⁰¹⁸ **12.5% protein** 60.7 lb test, 1.5% defects
 - o Versus 11.4% protein, 60.8 lb test wt, 1.1% defects in 2017
- SRW Wheat ²⁰¹⁸ ⇒ **10.1% protein**, 57.5 lb test, 1.3% defects
 - o Versus 9.5% protein, 58.8 lb test wt, 1.7% defects in 2017
- Soft White Wheat ²⁰¹⁸ ⇒ 9.3% protein, 61.7 lb test, 0.6% defects
 - Versus 9.6% protein, 60.9 lb test wt, 0.6% defects in 2017
- HRS Wheat ²⁰¹⁸ ⇒ ____% protein, ___ lb test, ___% defects
 - o Versus 14.6% protein, 61.2 lb test wt, 1.0% defects in 2017

WORLD Wheat Market Prospects

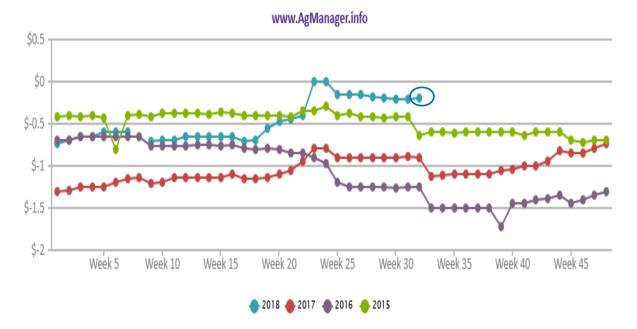


- Lower Supplies & <u>Record</u> Usage Forecast for 2018/19
 - 4 consecutive record high World wheat crops
- Poorer 2018 crops: E.U. France-Germany, Australia, & Russia
- More "competitive buying pressure" in World Trade
 - <u>"Tight" supplies</u> among Top 7 World Wheat Exporters
 - NOT MUCH evidence "YET" of "strong" U.S. wheat exports

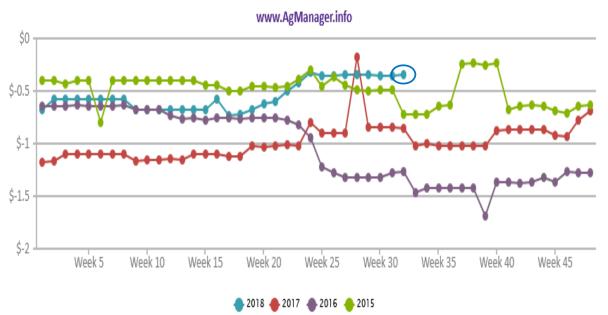
KAMMAS STATE



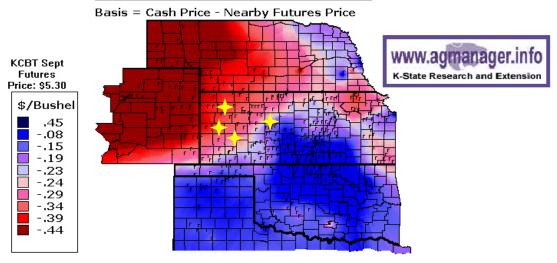
NESS CITY, KS: Hard Red Winter Wheat Basis - DE BONDURANT GRAIN CO

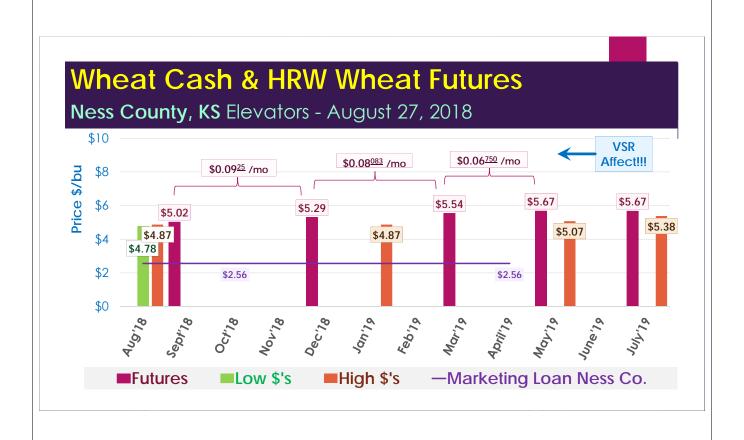


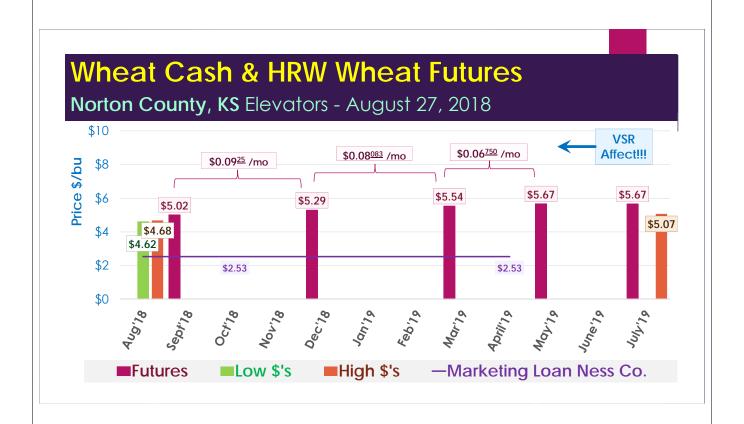




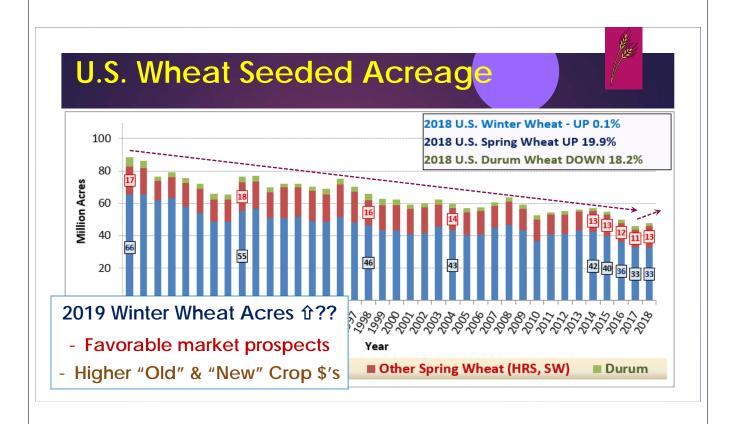
Wheat Basis, 08-22-2018

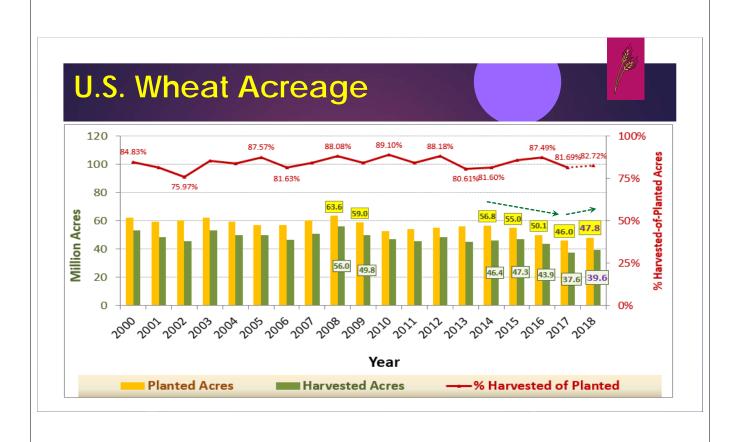


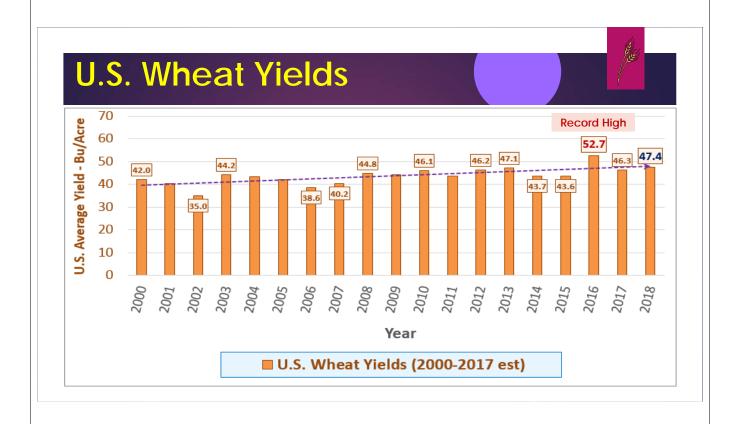


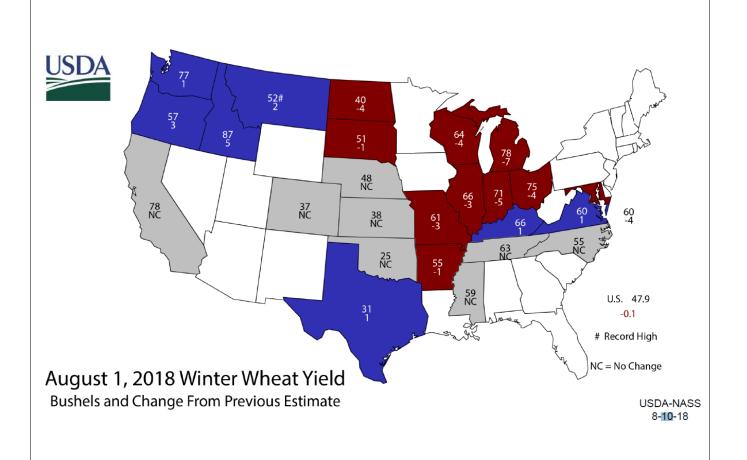


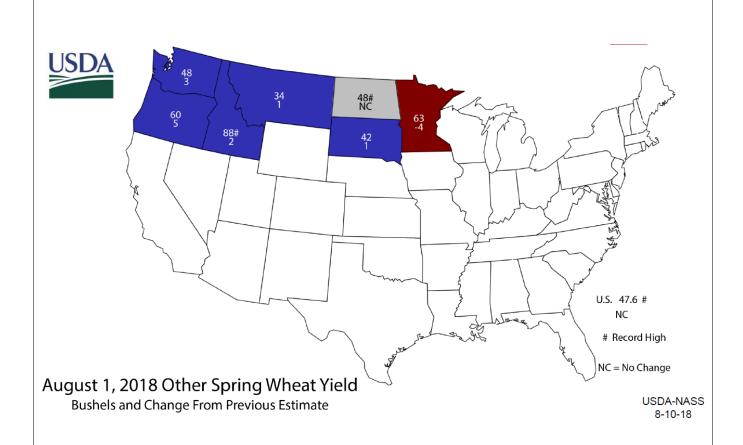








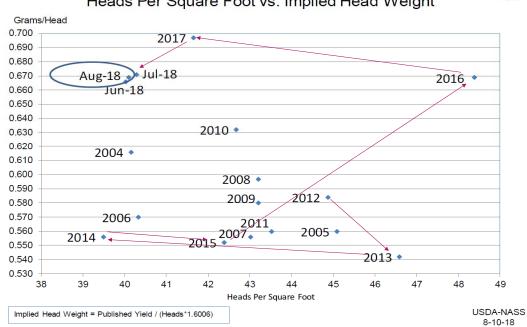






Wheat Objective Yield Region Heads Per Square Foot vs. Implied Head Weight





U.S. Wheat Supply & Demand

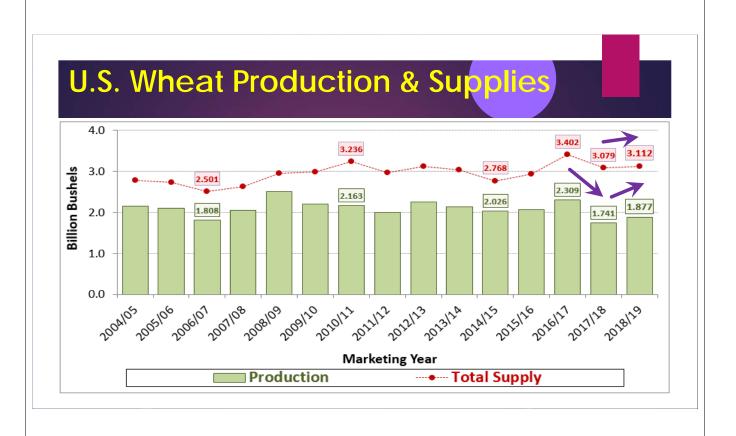
Items	MY 2017/18	MY 2018/19	Vs July 2018	Vs Year Ago
Beginning Stocks (mln bu)	1,181	1,100		(80)
Production	1,741	1,877	(5)	+136
<u>Imports</u>	<u>157</u>	<u>135</u>		<u>(22)</u>
Total Supply (mln bu)	3,079	3,112	(5)	+33

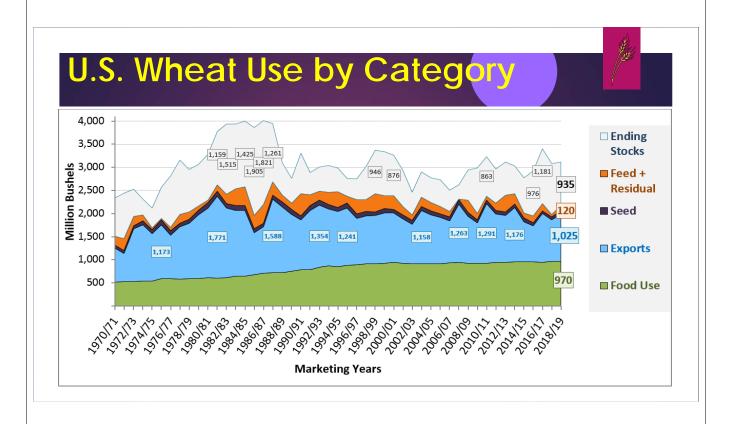
U.S. Wheat Supply & Demand

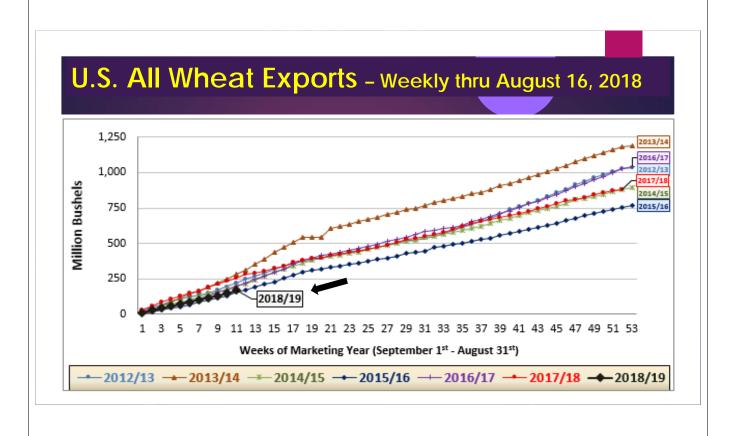
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Total Supply (mln bu)	3,079	3,112	(5)	+33
Food Use	964	970	+5	+625
Seed Use	64	62		(2)
Exports	901	1,025	+50	+124
Feed & Residual	<u>48</u>	<u>120</u>	(10)	<u>+72</u>
Total Use (mln bu)	1,978	2,177	+45	+199

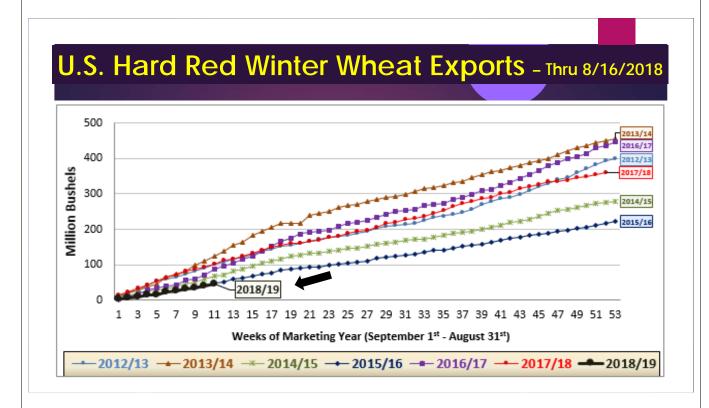
U.S. Wheat Supply & Demand

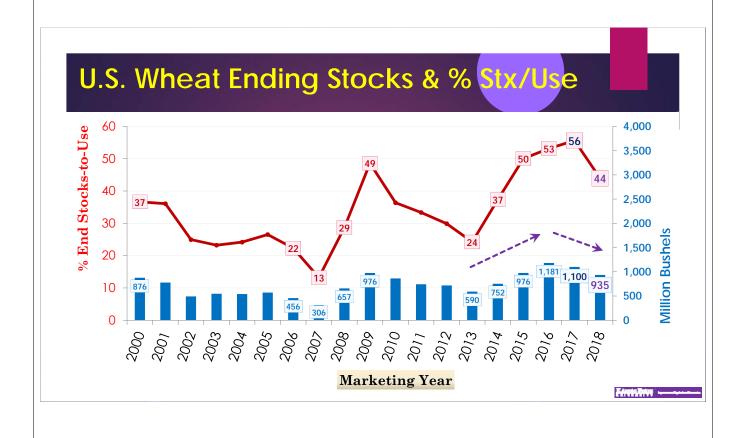
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Total Use (mln bu)	1,978	2,177	+45	+199
Ending Stocks (mln bu)	1,100	935	(50)	(165)
% Ending Stocks-to-Use	55.6%	43.0%	(3.2%)	(12.7%)
U.S. Avg. Price\$ (\$/bu)	\$4.73	\$5.10	+\$0.10	+\$0.37



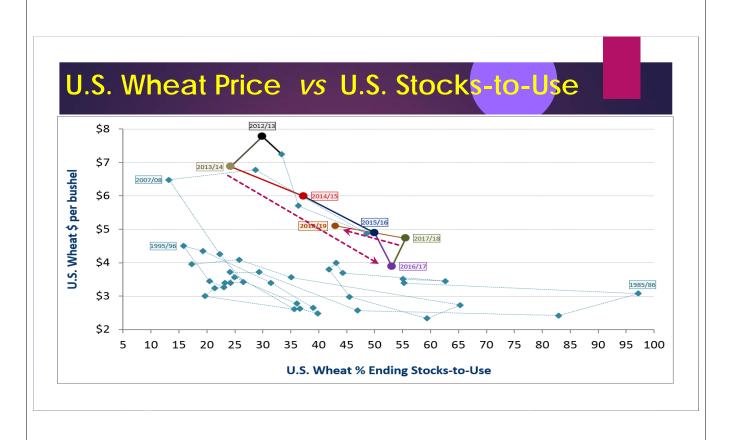


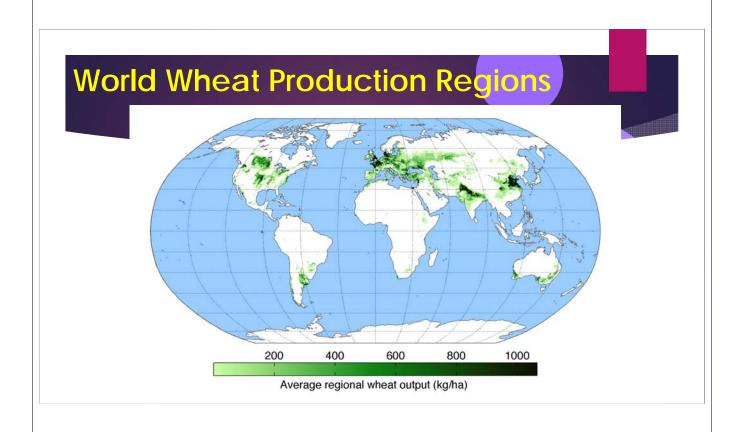


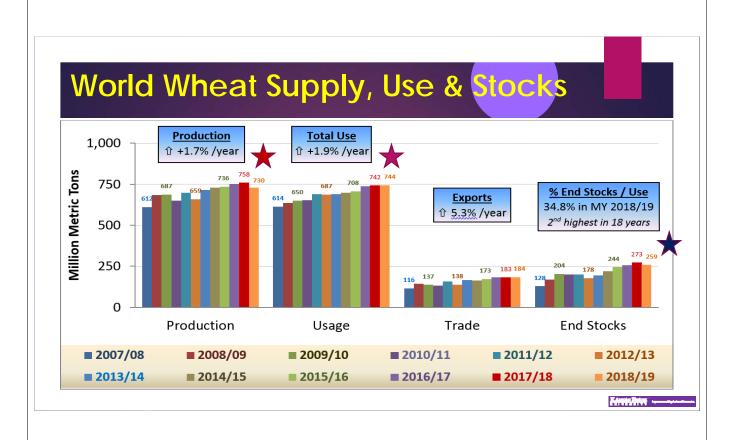












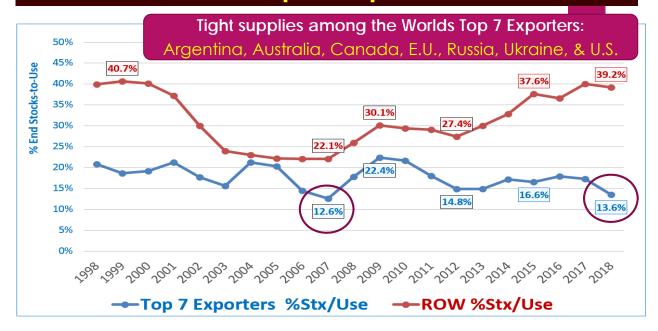
World Wheat Production

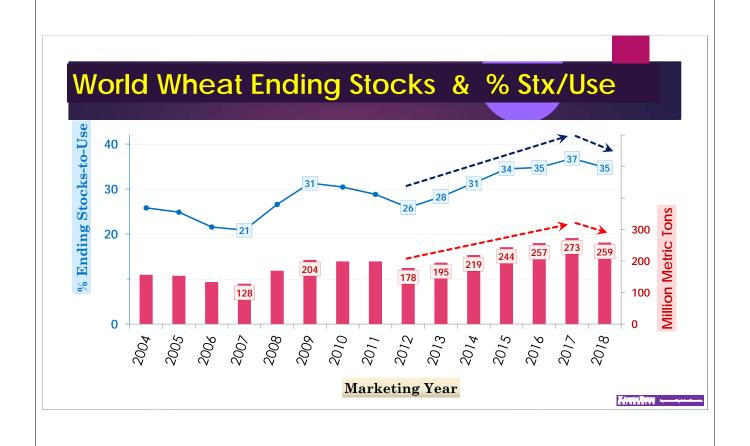
	2017/2018		2018/2019		
		Change from		Change from	Change from
Country or Region	Estimate	July 12	Forecast	July 12	2017/2018
	Million Tons				
World	758.0	0.1	729.6	-6.6	-28.4
United States	47.4		51.1	-0.1	3.7
Foreign	710.6	0.1	678.5	-6.5	-32.1
Argentina	18.0		19.5		1.5
Canada	30.0		32.5		2.5
Australia	21.3		22.0		0.7
European Union	151.7	0.1	137.5	-7.5	-14.2
Turkey	21.0		19.0	-1.0	-2.0
Russia	85.0		68.0	1.0	-17.0
Ukraine	27.0		25.5		-1.5
Kazakhstan	14.8		14.5	0.5	-0.3
China	129.8		128.0		-1.8
India	98.5		97.0		-1.5
Northwest Africa	10.6		12.4		1.9

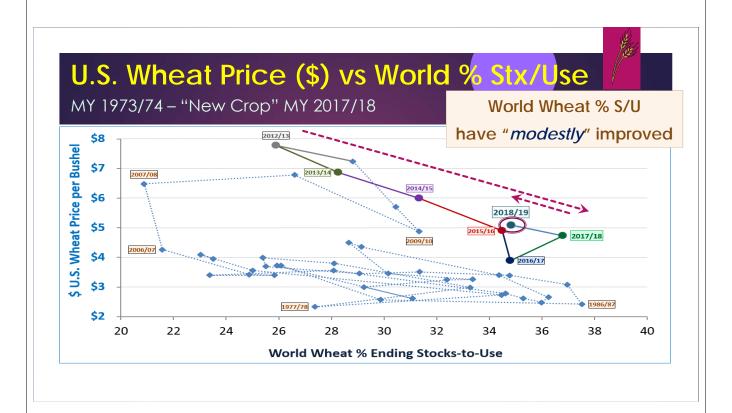
World Wheat Supply and Use

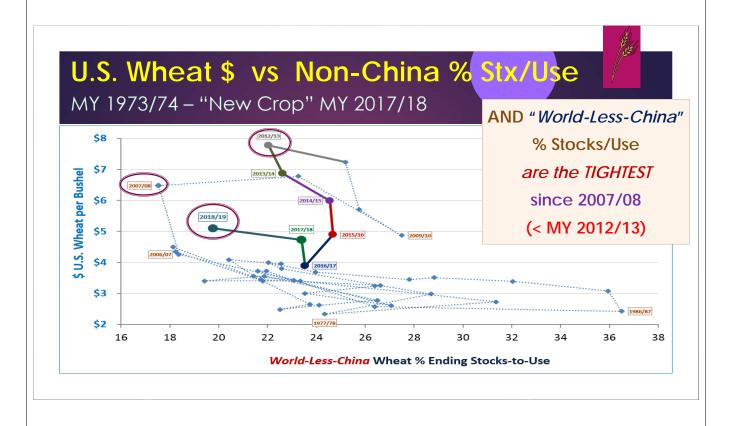
	2017/2018		2018/2019		
		Change from		Change from	Change from
Item	Estimate	July 12	Forecast	July 12	2017/2018
	Million Tons				
Beginning stocks	257.2	-0.1	273.1	-0.4	15.9
Production	758.0	0.1	729.6	-6.6	-28.4
Total Supply	1,015.2	**	1,002.7	-7.1	-12.5
Feed use	145.2	0.6	138.5	-3.9	-6.7
Total use	742.1	0.4	743.7	-5.1	1.6
Trade	182.6	0.8	183.9	-1.6	1.2
Ending Stocks	273.1	-0.4	259.0	-1.9	-14.1

Wheat Stx/Use: Top 7 Exporters vs ROW



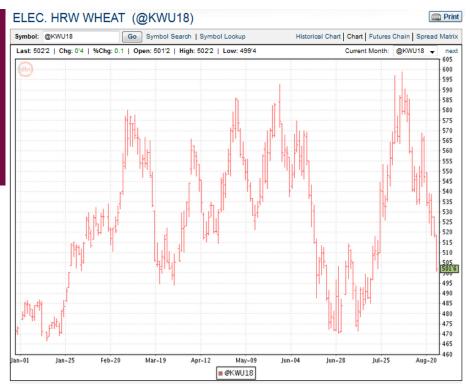






DEC 2018 KS HRW Wheat Futures

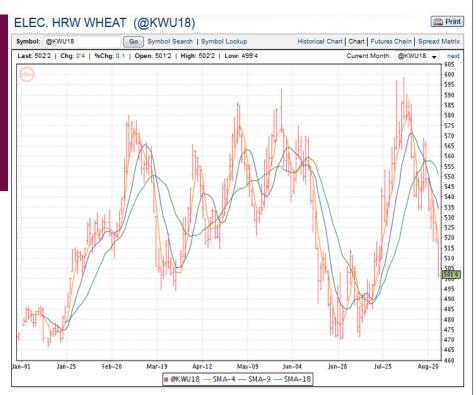
August 27, 2018



DEC 2018 KS HRW Wheat Futures

August 27, 2018

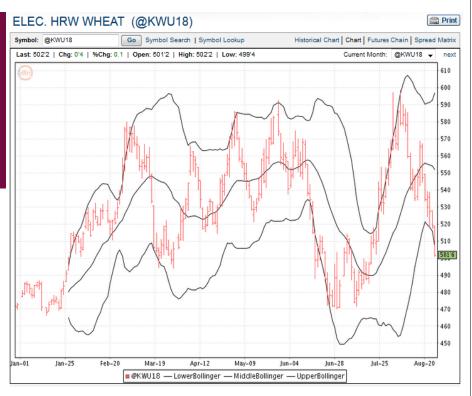
Moving Average Trend Analysis



DEC 2018 KS HRW Wheat Futures

August 27, 2018

Bollinger Band Analysis



DEC 2018
KS HRW Wheat
Futures

August 27, 2018

Moving Average

plus

Bollinger Band

Analysis

