

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)
 - o Mexico grain purchases from the U.S.
 - o 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 = $0.14 / bu \times 50\%$ of production (119 mln)
 - Corn MFPs = 0.01 / bu x 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, <u>dairy & hogs</u>.
 - 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 <u>this year's production</u>. It will <u>not</u> be adjusted for those who suffered <u>low yields</u> 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

- 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 limits (*separate* \$125K limits for crops & livestock)

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

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

MFP Questions at this time....

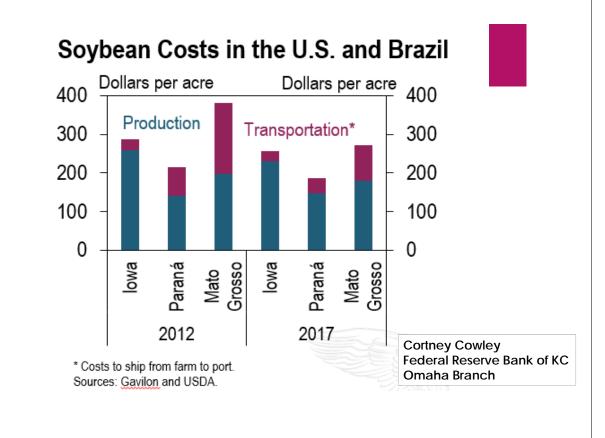
- 1. Will MFP be paid on bushels indemnified for price loss?
- 2. Is conservation compliance required? YES
- 3. Is the \$125,000 payment limit a new limit? Some farmers will have already hit the limit via other programs. (*Likely separate limit for MFP only*)
- 4. Will payments be made on minor oilseeds (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. (Barnaby^{KSU})

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

Based on "old crop" MY 2017/18 Ending Stocks, U.S. Corn \$s are now \$0.50 /bu lower than they would usually be (Down \$0.35-\$0.50 /bu - KSU)

► 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*)



Grain Market Events to Come

1) 2018 U.S. Corn & Soybean harvest (Oct-Nov 2018)

- o Corn²⁰¹⁸ < 14.8 bln bu? <p>➡ End Stocks < 1.774 bb?</p>
- o Soybeans²⁰¹⁸ < 4.7 bln bu? ⊃ End Stocks < 845 mb?
- 2) U.S. HRW Wheat Seedings (Oct ²⁰¹⁸)
 - o Increase in response to ① 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% ? Cristing' or 'New' Acres?
- Corn ^{So-Am 2019} Down 5% ? Crop Impact (Exports)?
- Argentina *politics / export* taxes & Brazil *domestic issues* are a wildcard

4) Break Dormancy for 2019 HRW Wheat Crop (March 2019)

• Uncertain crop conditions affecting Kansas HRW Wheat at that time (?)

More Grain Market Events to Anticipate....

5) 2019 U.S. Plantings of Fall Harvested Crop (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.? \bigcirc More if South America \clubsuit

6) 2019 U.S. HRW Crop Development (April-June ²⁰¹⁹)

Q? What will the *protein &/or quality condition* of the 2019 crop be?

Q? What "cross over" HRS vs HRW wheat market impacts will occur?

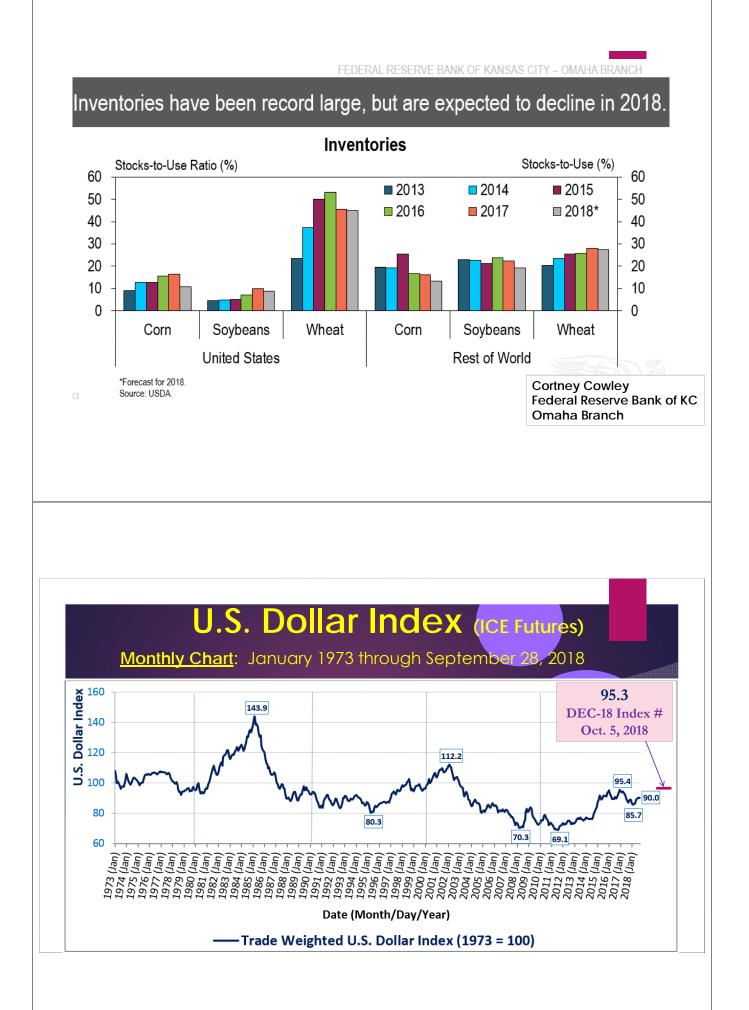
Yet Still MORE Events to Come....

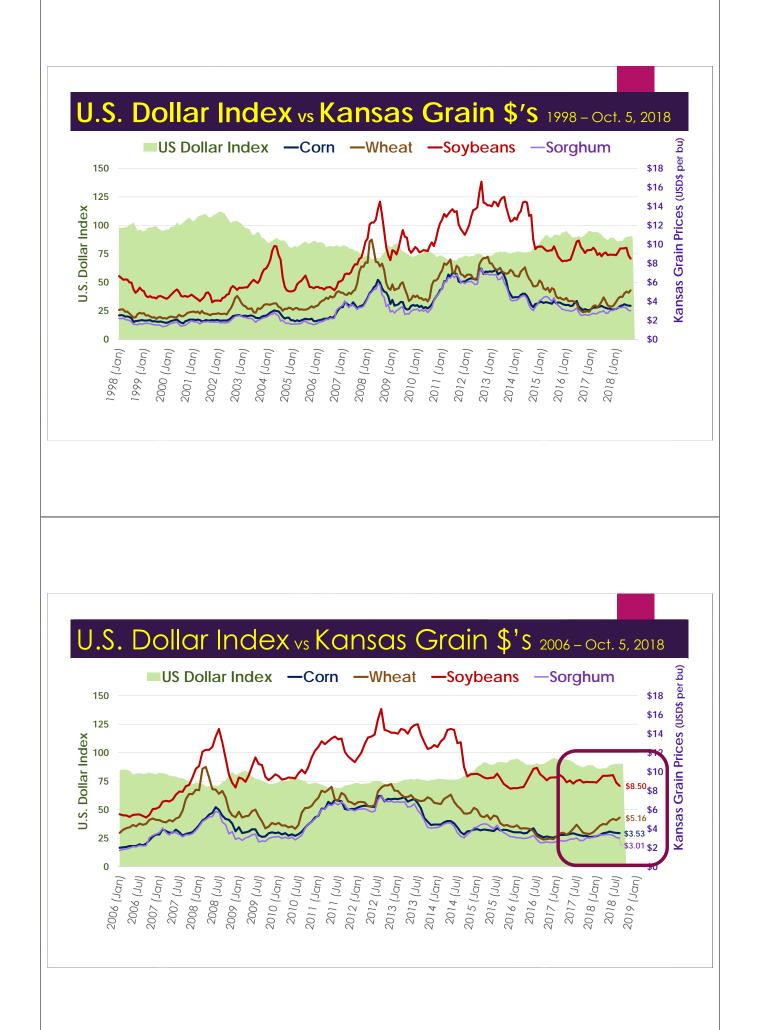
7) 2019 South America Crop Development (Jan-May 2019)

- El Nino forecast ²⁰¹⁹ ⇒ Wetter than normal in Spring-early Summer, but NOT a certain impact 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

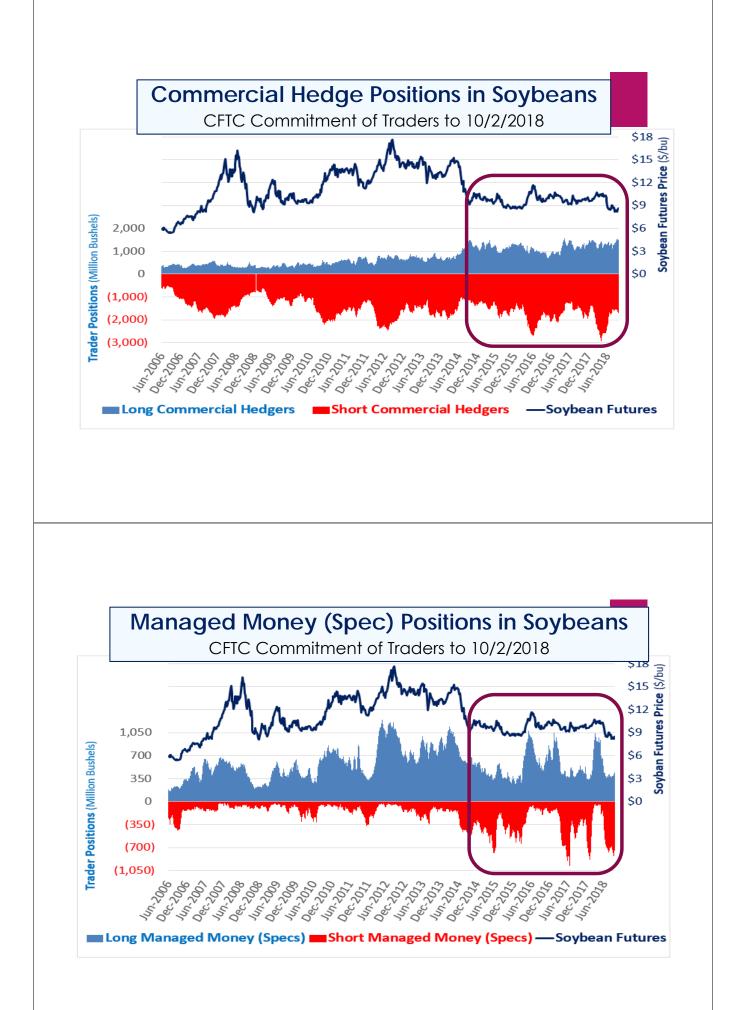
Yet Still MORE Events to Come....

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









U.S. Soybean Market Prospects in 2018-19

A. <u>U.S.-China Trade Dispute</u>

 HAS affected U.S. Soybean prices, but so far LIMITED EFFECT on U.S. export <u>shipments</u> & <u>forward purchases</u>

B. USDA forecasts U.S. Exports to be large despite Tariffs

 Foreign buyer "switching" between U.S. & South America, & some "trans-shipments" have occurred among countries

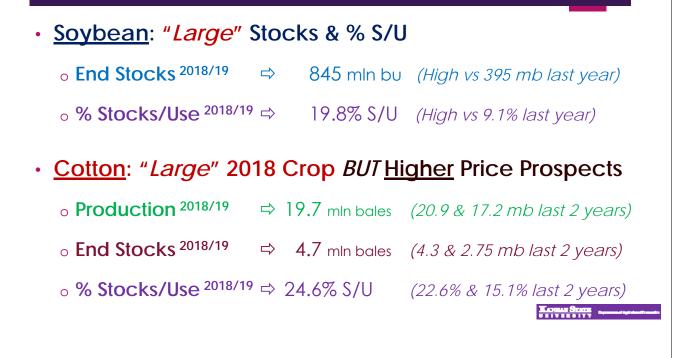
C. Market Focus in Fall-Winter 2018-19

So. America crop prospects – their response to high 2018 \$'s

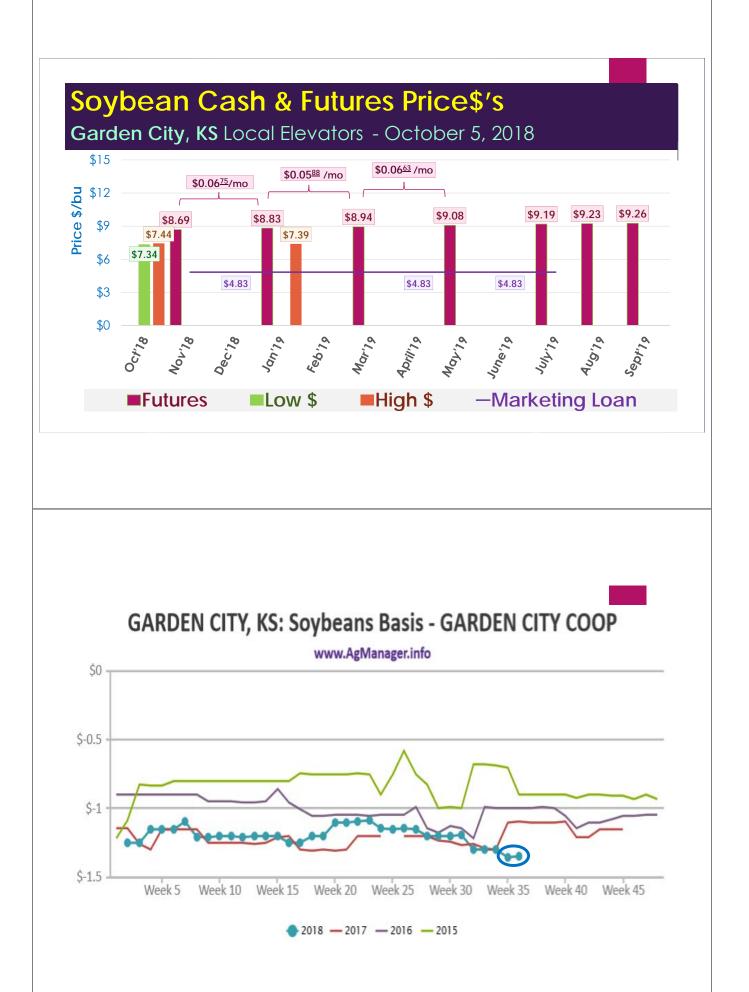
U.S. Soybean Supply-Use

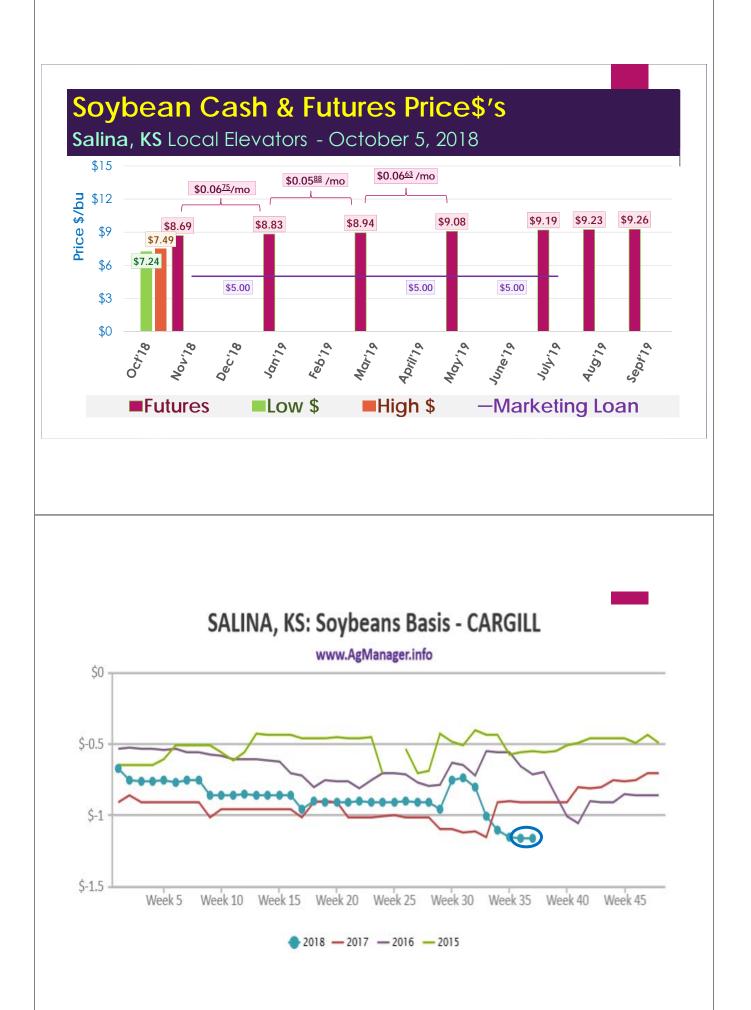
- Soybean crop record high in September Crop Report
- Large Global Soybean Stocks limit Price\$'s
- Low Price\$'s DO support "New Crop" MY 2018/19 Use ***
 - Soy Crush ^{2018/19} = 2.070 bln bu (*Record vs 2.055 bb last year*)
 - Exports ^{2018/19} = 2.060 bln bu (*Down vs 2.130 & 2.166 bb last 2 years*)
 - Total Use ^{2018/19} = 4.268 bln bu (*Down vs 4.321 bb last year*)
 - SBM Exports ^{2018/19} = 13.500 mln tons (vs 14.4 & 11.6 mln tons last 2 years)

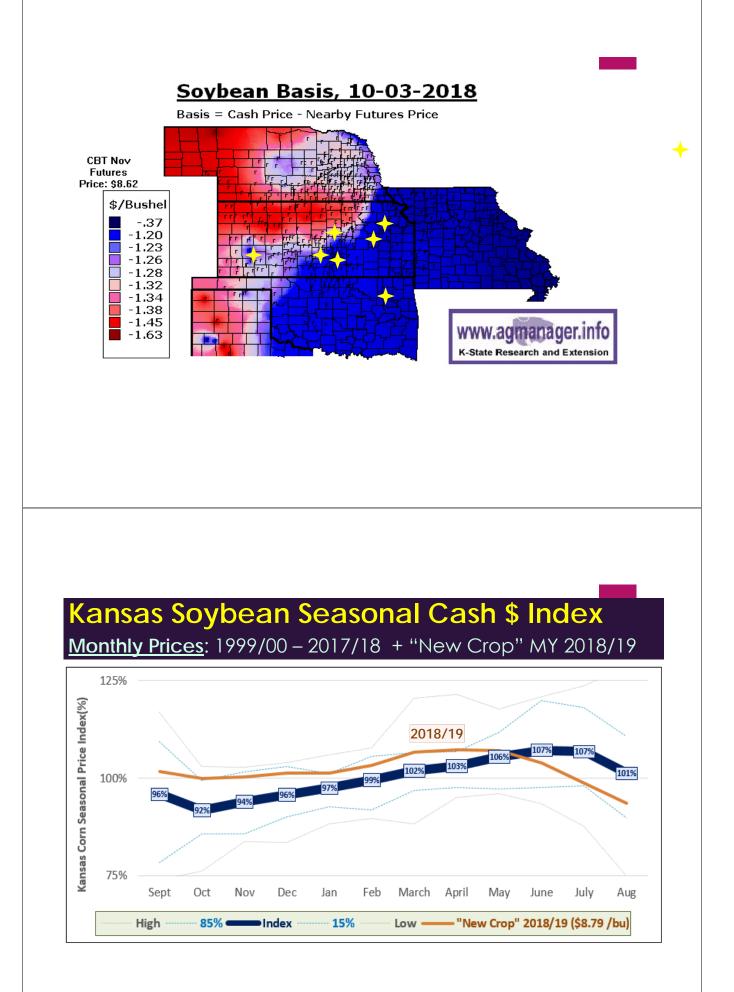
U.S. Soybean & Cotton Stocks.....

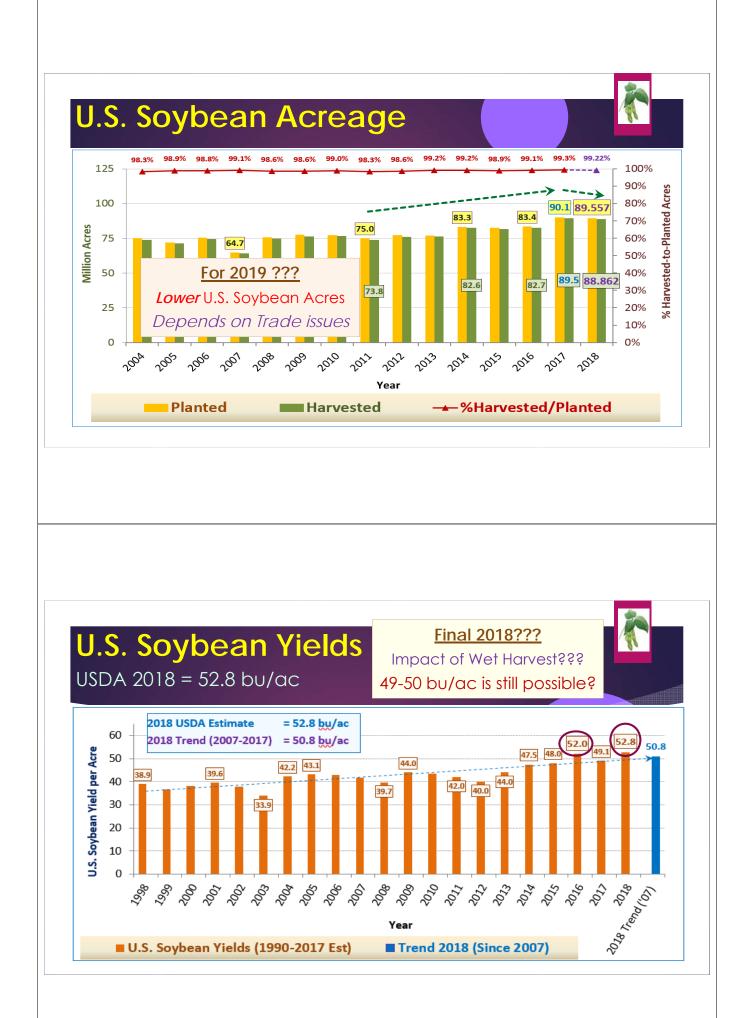


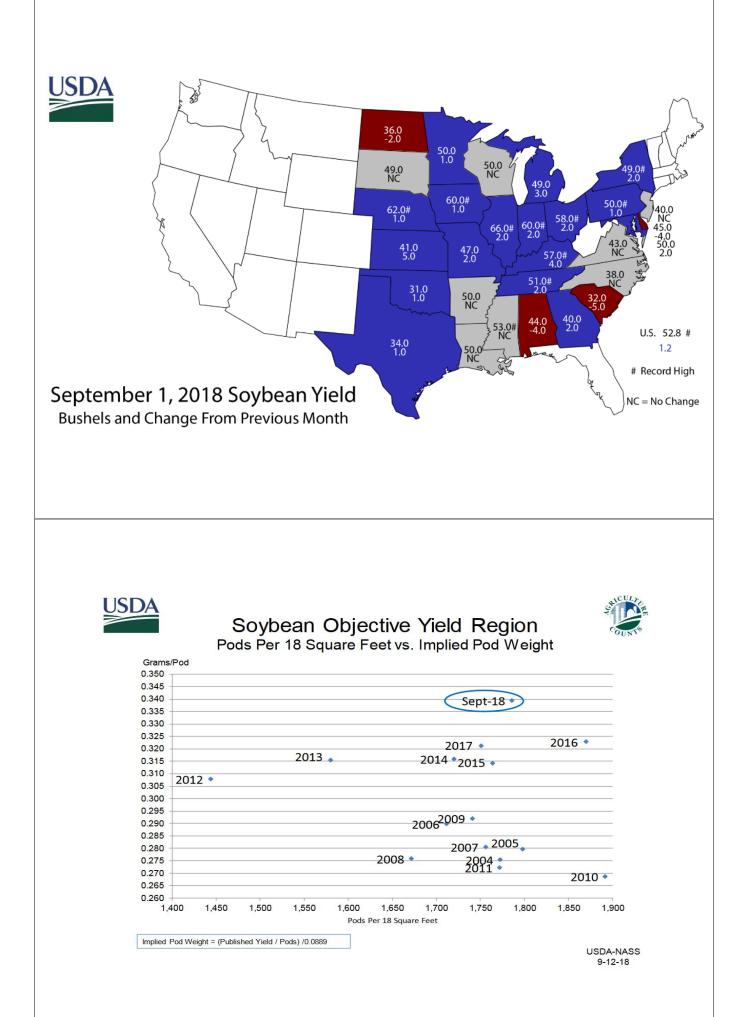


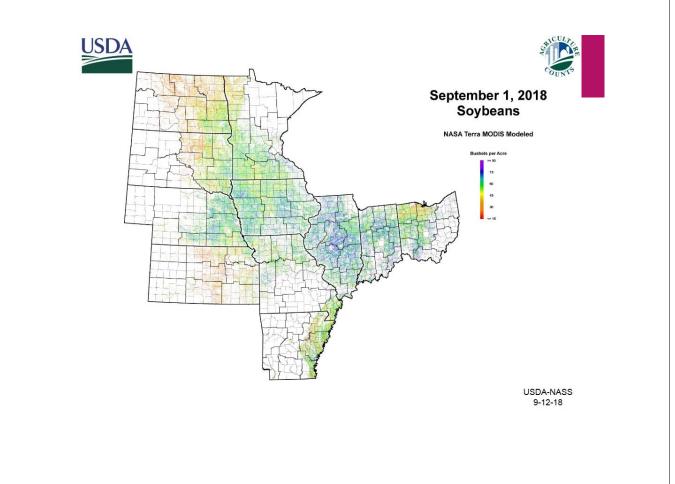












U.S. Soybean Supply & Demand

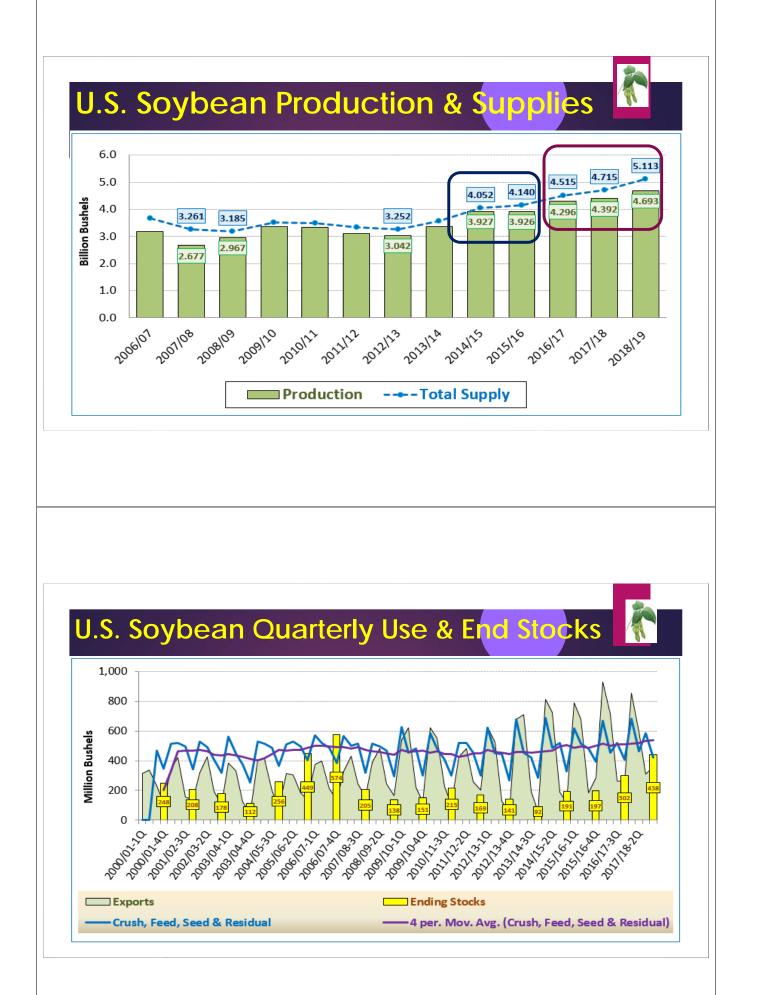
Items	MY 2017/18	MY 2018/19	Vs Aug 2018	Vs Year Ago
Beginning Stocks (mln bu)	302	395	(35)	+93
Production	4,392	4,693	+107	+301
<u>Imports</u>	<u>22</u>	<u>25</u>		<u>+3</u>
Total Supply (min bu)	4,715	5,113	+73	+398

U.S. Soybean Supply & Demand

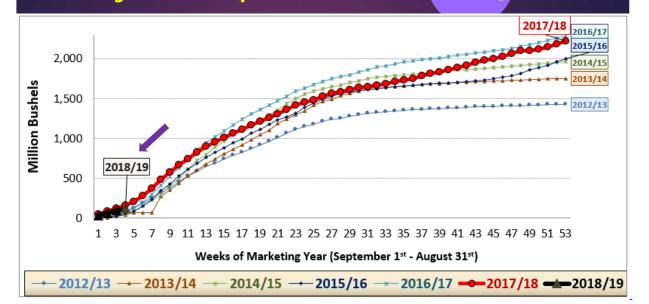
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Domestic Crush	2,055	2,070	+10	+15
Exports	2,130	2,060	>	(130)
Seed & Residual	<u>136</u>	137	<u>+1</u>	<u>+1</u>
Total Use (mln bu)	4,321	4,268	+12	(53)

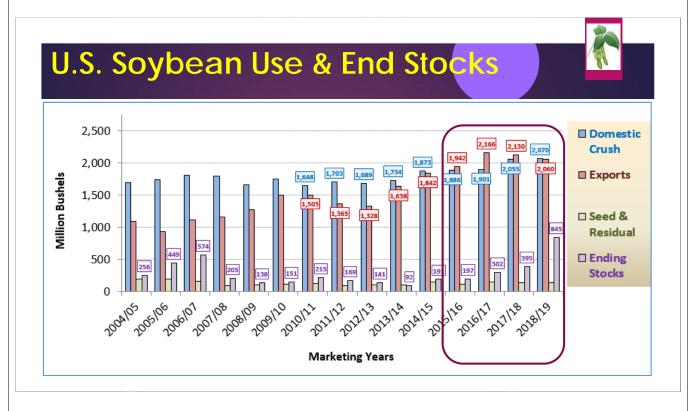
U.S. Soybean Supply & Demand

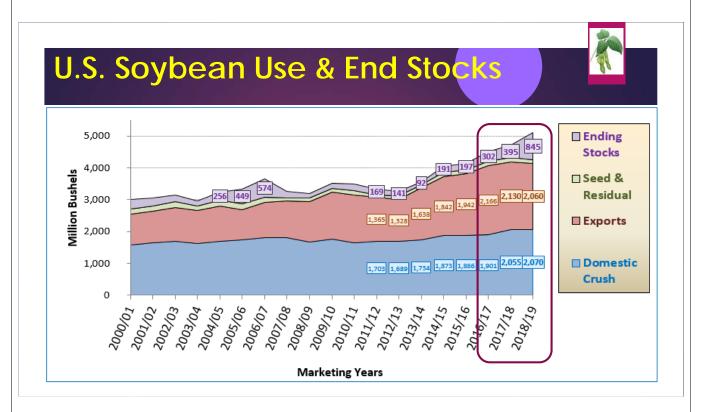
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Total Use (min bu)	4,321	4,268	+12	(53)
Ending Stocks (mln bu)	395	845	+60	+450
% Ending Stocks-to-Use	9.1%	19.8%	+1.4%	+10.7%
U.S. Avg. Price\$ (\$/bu)	\$9.35	\$8.60	(\$0.30)	(\$0.75)



U.S. Soybean Exports - Cumulative Weekly

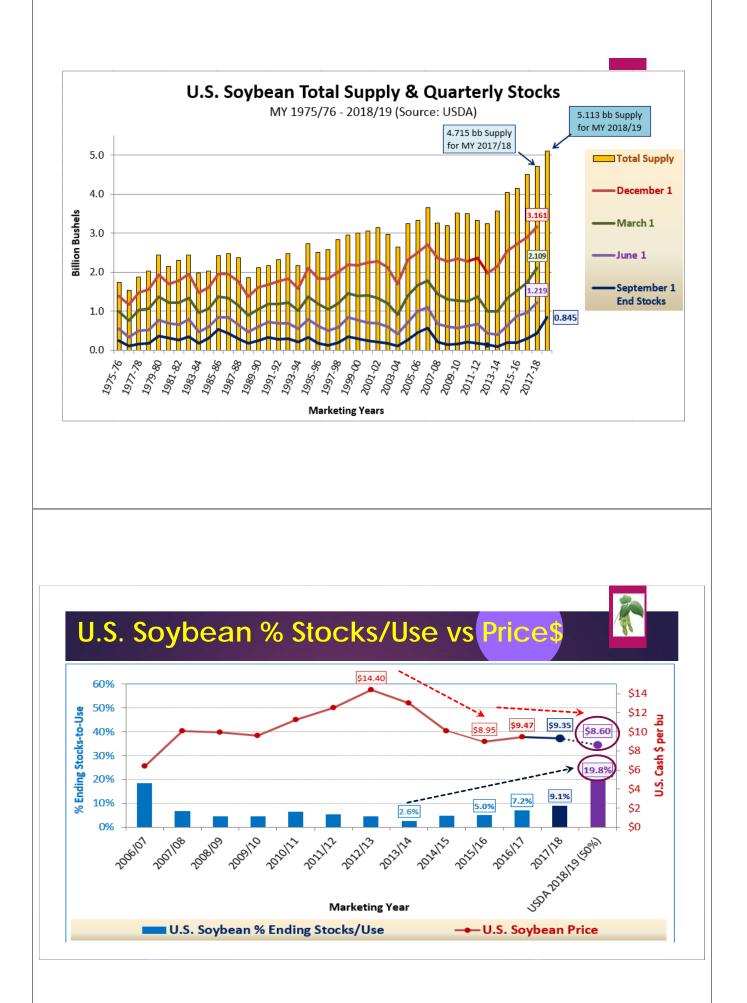


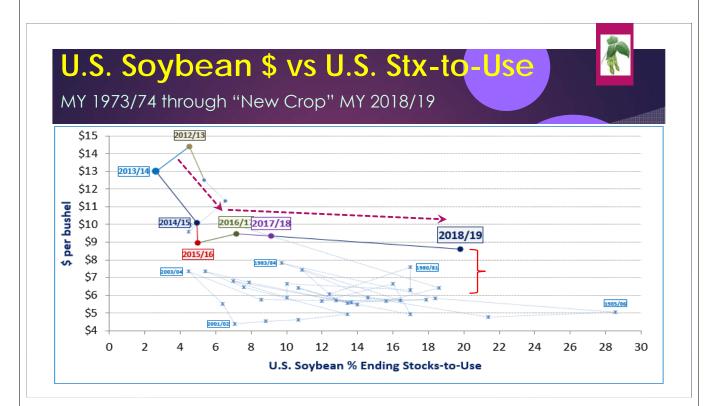




U.S. Soybean Ending Stocks & % Stx/Use







World Soybean Supply, Use & Stocks



World Soybean Production

	201	7/2018		2018/2019	
		Change from		Change from	Change from
Country or Region	Estimate	August 10	Forecast	August 10	2017/2018
			- Million Ton	s	
World	336.8	0.1	369.3	2.2	32.5
United States	119.5		127.7	2.9	8.2
Foreign	217.3	0.1	241.6	-0.7	24.3
Argentina	37.8	0.8	57.0		19.2
Brazil	119.5		120.5		1.0
Paraguay	10.0		9.8		-0.2
Canada	7.7	-0.3	7.0	-0.3	-0.7
India	8.4		10.5	-0.3	2.2
China	14.2		15.0	0.5	0.8

World Soybean Supply and Use

	2017	/2018		2018/2019	
		Change from		Change from	Change from
Item	Estimate	August 10	Forecast	August 10	2017/2018
			Million Tons		
Beginning stocks	96.7	**	94.7	-0.9	-1.9
Production	336.8	0.1	369.3	2.2	32.5
Total Supply	433.5	0.1	464.1	1.3	30.6
Crush	293.7	-0.7	308.2	-0.5	14.5
Total use	337.0	-0.5	353.0	-0.6	16.0
Trade	153.6	-0.1	156.9	-1.1	3.3
Ending Stocks	94.7	-0.9	108.3	2.3	13.5
Addendum					
Beginning stocks					
Argentina plus Brazil	61.9		55.7	0.7	-6.3
Imports*					
China	94.0	-2.0	94.0	-1.0	

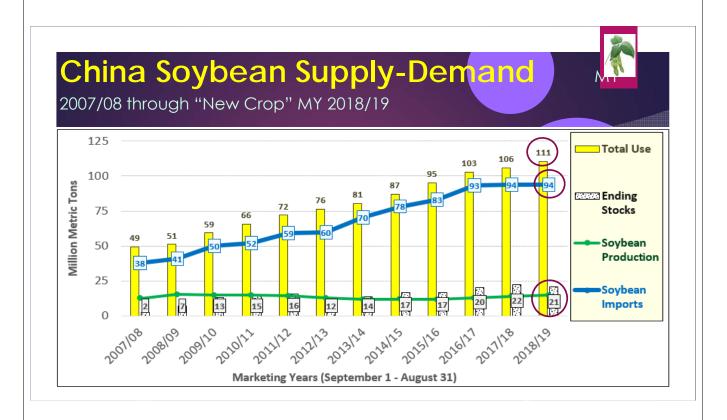
So. America Soybean Supply-Demand

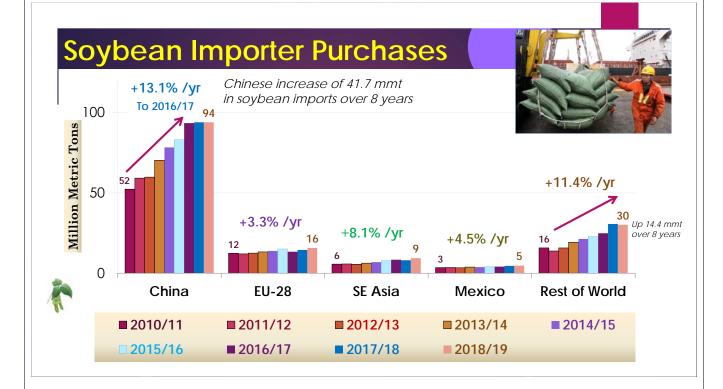
MY 2007/08 through "New Crop" MY 2018/19

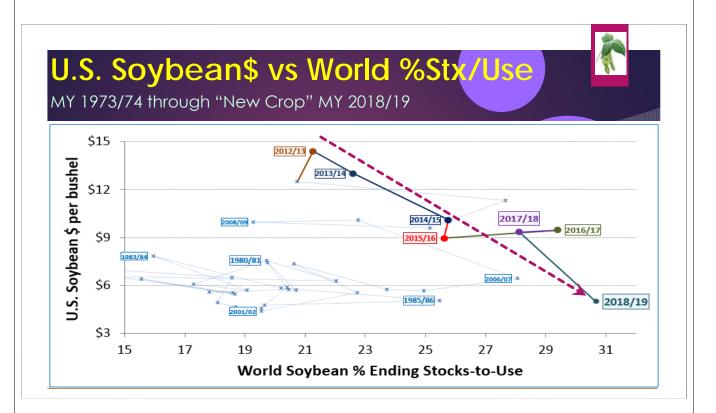


China Soybean Supply and Use

		•	• •		
	2017	/2018		2018/2019	
		Change from		Change from	Change from
Item	Estimate	August 10	Forecast	August 10	2017/2018
Harvested area (million hectares)	7.85		8.40	0.30	0.55
Yield (tons per hectare)	1.81		1.79	**	-0.02
			Million ton	s	
Beginning stocks	20.4		22.5	-1.0	2.1
Production	14.2		15.0	0.5	0.8
Imports	94.0	-2.0	94.0	-1.0	
Total supply	128.6	-2.0	131.5	-1.5	2.9
Crush	90.0	-1.0	93.5	-1.5	3.5
Food and feed	16.0		17.1		1.1
Domestic use	106.0	-1.0	110.6	-1.5	4.6
Exports	0.1	**	0.1		**
Total use	106.1	-1.0	110.7	-1.5	4.6
Ending stocks	22.5	-1.0	20.8	**	-1.7
			Percent -		
Stocks to use ratio	21.2	-0.8	18.7	0.2	-2.4

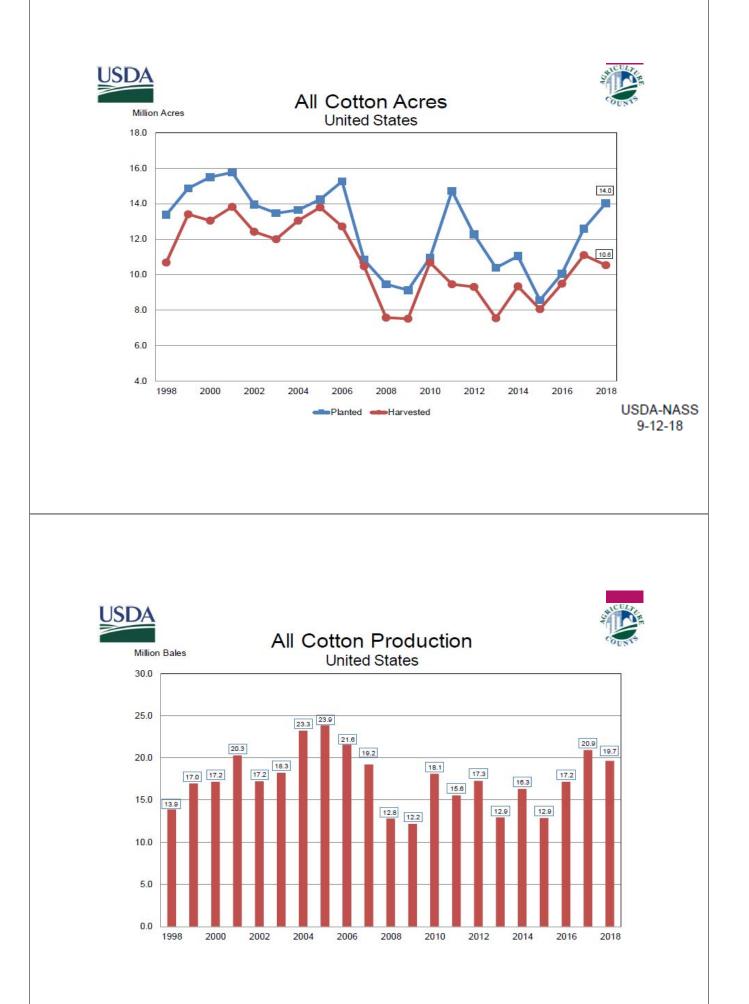


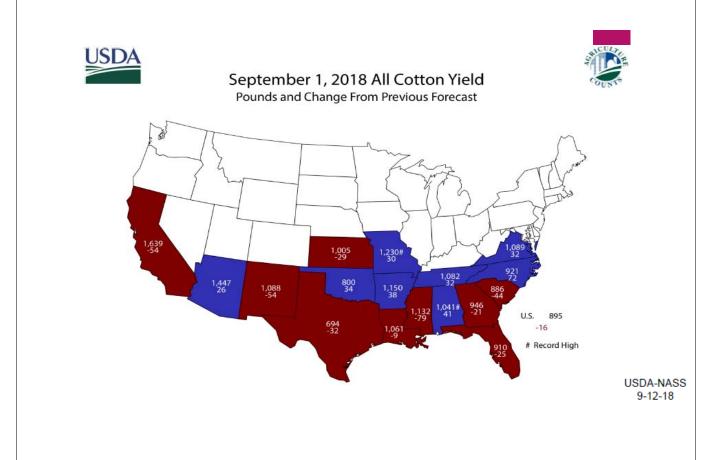




2018 U.S. Cotton Production September 2018 USDA Reports

Сгор	Unit	September 2018	% Change From Previous Forecast	% Change From Previous Season
All Cotton				
Planted	Mil Ac	14.0	+3.9	+11.3
Harvested	Mil Ac	10.6	+4.1	-4.9
Yield	Lb/Ac	895	-1.8	-1.1
Production	Mil Bls	19.7	+2.3	-5.9





U.S. Cotton Supply and Demand

	2017/2018		2018/2019		
		Change from		Change from	Change from
Item	Estimate	August 10	Forecast	August 10	2017/2018
Planted area (million acres)	12.61		14.04	0.52	1.43
Harvested area (million acres)	11.10		10.55	0.41	-0.55
Yield (pounds per acre)	905		895	-16	-10
			Million bales -		
Beginning stocks	2.75		4.30	-0.10	1.55
Production	20.92		19.68	0.45	-1.24
Imports	0.00	**	0.01		**
Total supply	23.68	**	23.99	0.35	0.31
Mill use	3.23	-0.02	3.40	**	0.18
Exports	15.85		15.70	0.20	-0.15
Total use	19.07	-0.03	19.10	0.20	0.03
Unaccounted	0.30	0.12	0.19	0.05	-0.12
Ending stocks	4.30	-0.10	4.70	0.10	0.40
			Percent		
Stocks to use ratio	22.5	-0.5	24.6	0.3	2.1
		Ce	ents per pound		
Average market price	68.00		70.00/80.00		7.00

September 12, 2018

	2017/2018			2018/2019		
		Change from		Change from	Change from	
Country or Region	Estimate	August 10	Forecast	August 10	2017/2018	
			- Million bale	s		
World	123.5	**	122.0	1.4	-1.5	
United States	20.9		19.7	0.4	-1.2	
Foreign	102.6	**	102.3	1.0	-0.3	
Argentina	0.8		1.1	0.1	0.3	
Brazil	9.2	**	10.0	0.5	0.8	
Turkey	4.0		4.5		0.5	
Australia	4.7		3.0	-0.6	-1.7	
China	27.5		27.5	1.0		
India	29.0		28.7		-0.3	
Pakistan	8.2		8.5		0.3	
Uzbekistan	4.0		3.3		-0.7	
Turkmenistan	1.4		1.3		-0.1	
African Franc Zone	5.2		5.3		0.1	

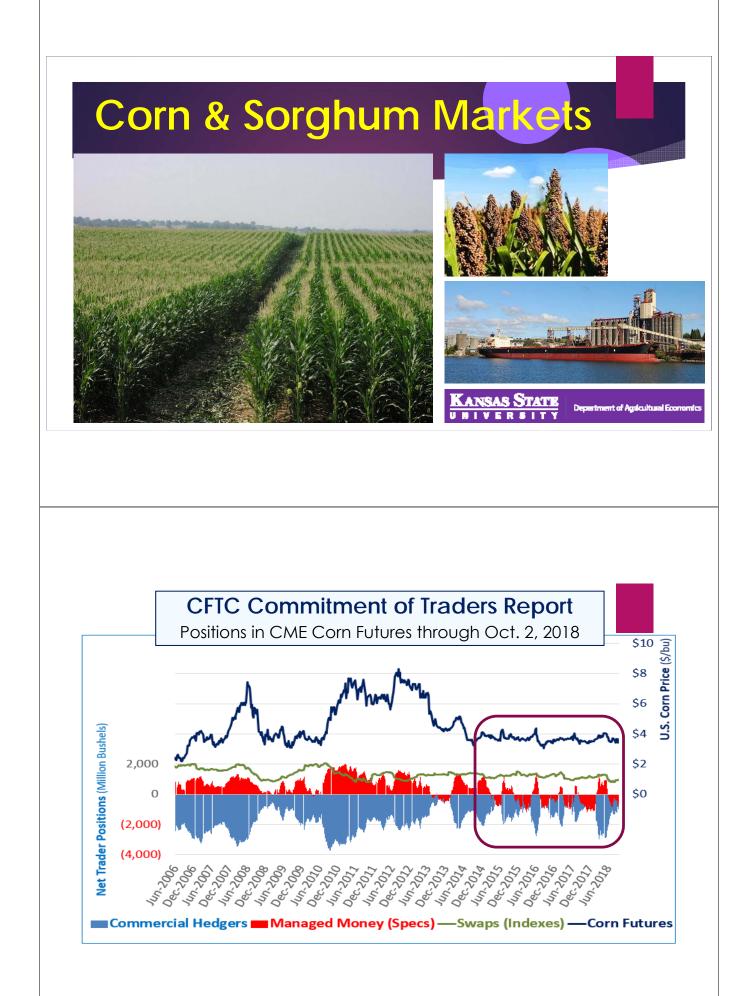
World Cotton Production

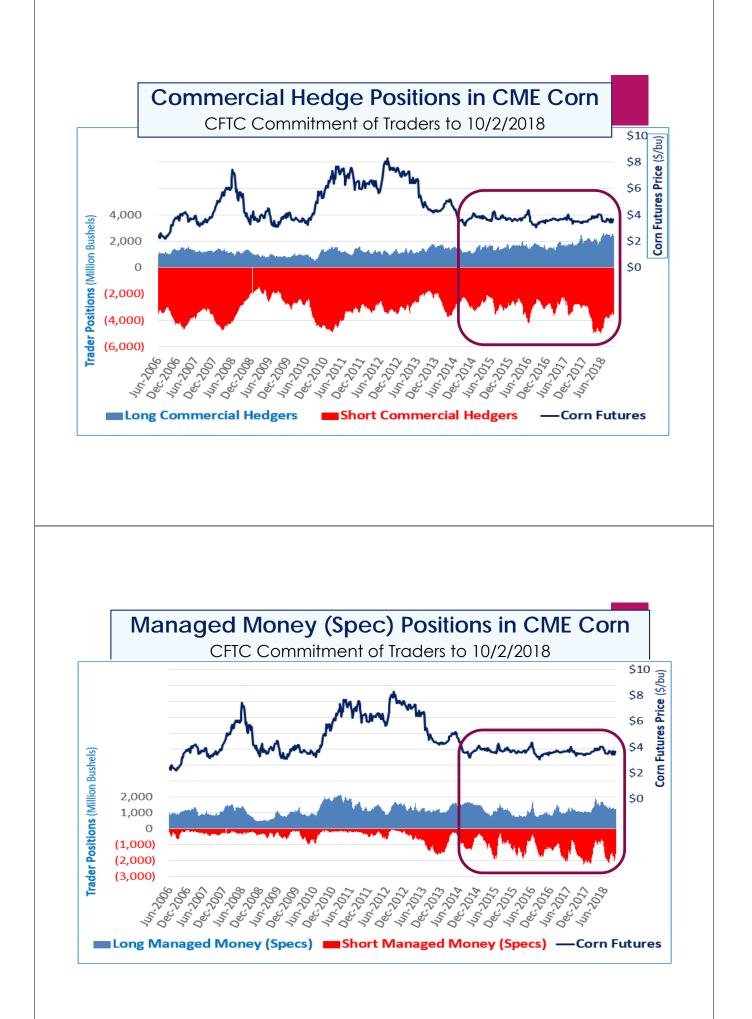
September 12, 2018

World Cotton Supply and Demand

	2017	7/2018		2018/2019	
		Change from		Change from	Change from
ltem	Estimate	August 10	Forecast	August 10	2017/2018
			- Million bales		
Beginning stocks	83.8	-0.3	83.8	-0.7	**
Production	123.5	**	122.0	1.4	-1.5
Total Supply	207.3	-0.3	205.8	0.7	-1.5
Consumption	123.2	0.5	127.9	0.3	4.7
Trade	40.7	-0.1	41.8	**	1.1
Ending Stocks	83.8	-0.7	77.5	0.4	-6.3
Addendum					
China ending stocks	38.0	0.2	29.9	1.2	-8.2

September 12, 2018





U.S. Corn & Sorghum Supply-Use

• 2018 U.S. Corn & Sorghum Production \geq 2017 Crops

Large Corn Stocks are limiting Feedgrain Price\$'s

• Low Price\$'s supporting "New Crop" MY 2018/19 Corn Use

- Ethanol ^{2018/19} = 5.650 bln bu (*Record high vs 5.600 bb last year*)
- Livestock Feed ^{2018/19} = 5.575 bln bu (10 year high vs 5.858 bb in 2007/08)
- Exports ^{2018/19} = 2.400 bln bu (*vs 2.425 bb in '17/18 & 2.294 in '15/16*)
- Other FSI ^{2018/19} = 1.480 bln bu (*Record high vs* 1.460 bb in 2011/12)

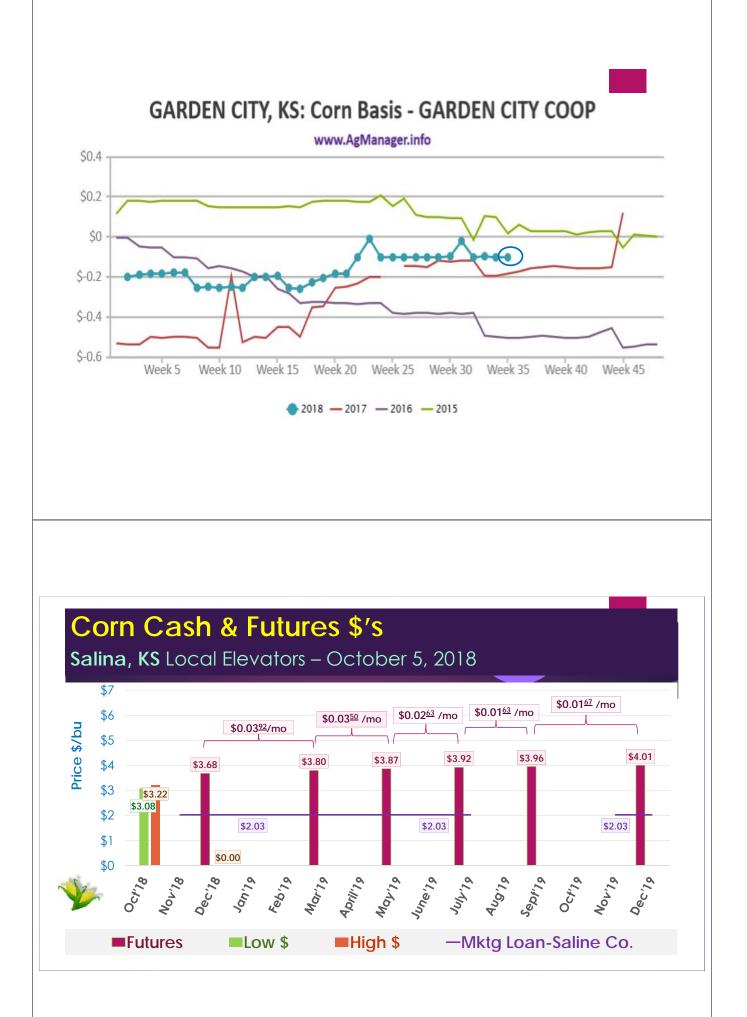
U.S. Corn & Sorghum Stocks.....

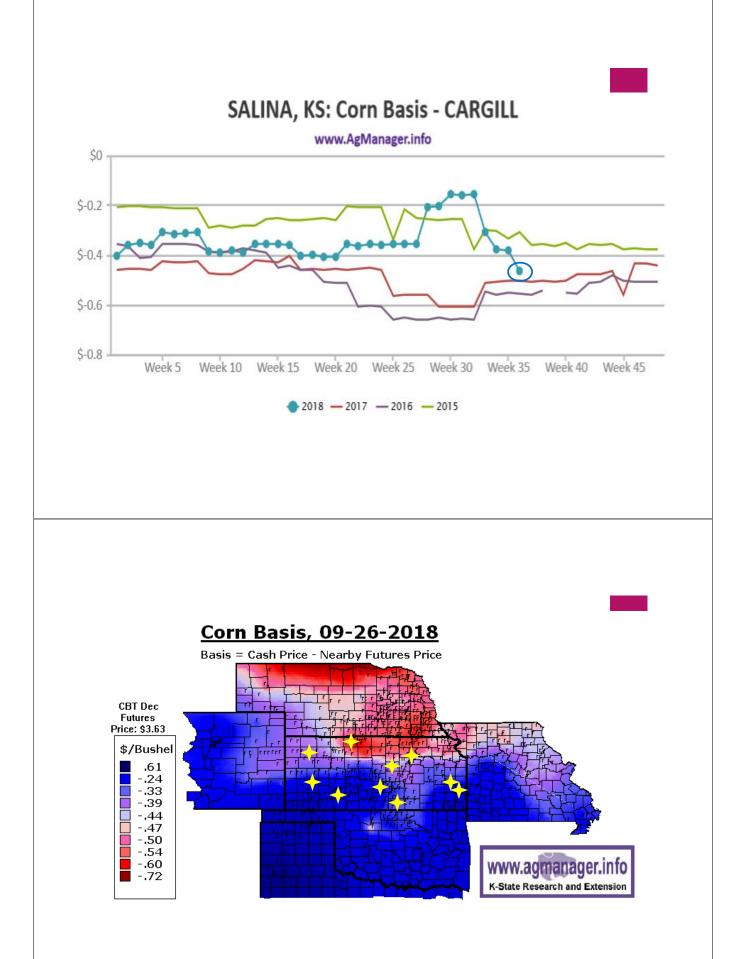
- <u>Corn</u>: "Moderate" Stocks & % S/U
 - End Stocks ^{2018/19} ⇒ 1.774 bln bu (*vs 2.002 bb last year*)
 - o % Stocks/Use ^{2018/19} ⇒ 11.7% S/U (*vs 13.4% S/U last year*)

Grain Sorghum: "Low" Price\$'s (Hurt by trade issues)

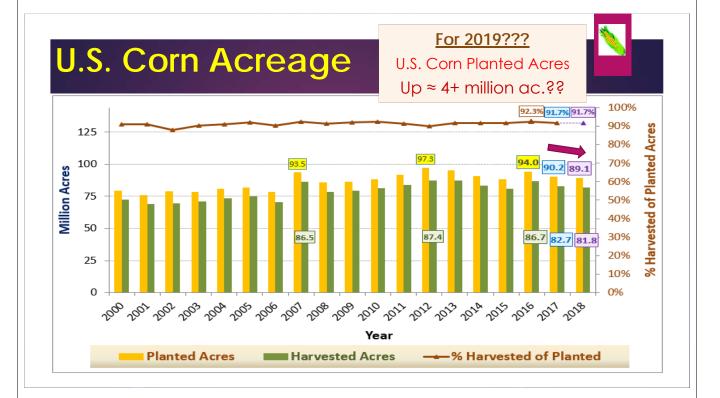
 End Stocks ^{2018/19} 	\Rightarrow	46 mln bu	(↓ <u>Exports</u> & ☆ <u>Ethanol</u> Use)
o % Stocks/Use 2018/1	9 ⊏>	12.1% S/U	(↓ vs 14.0% S/U last year)

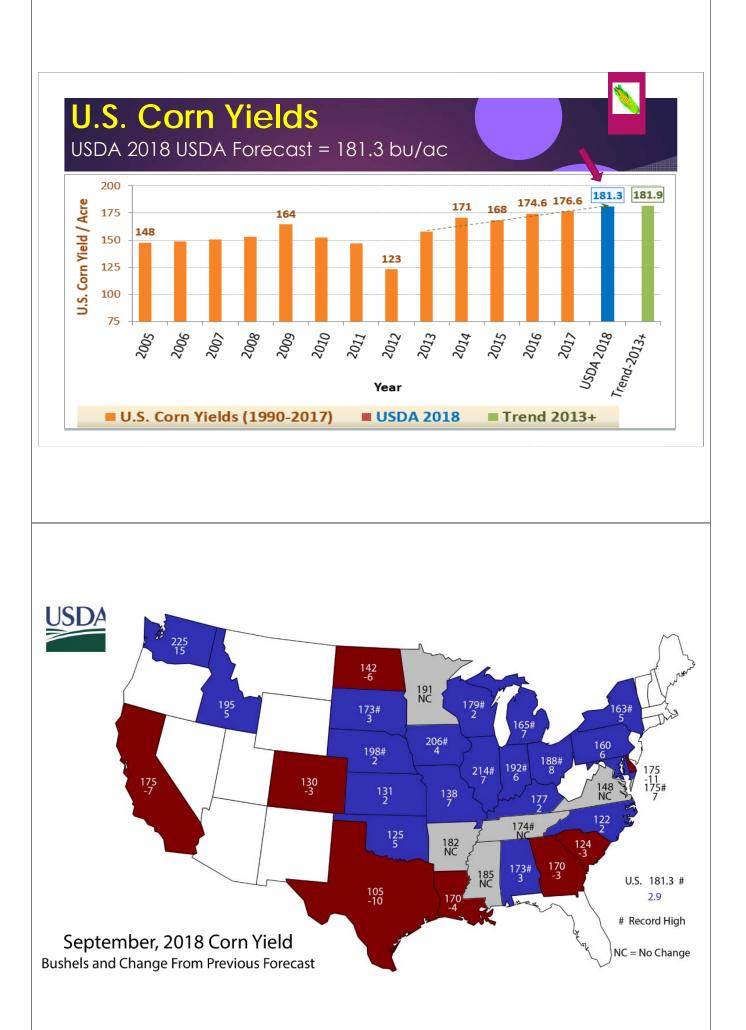


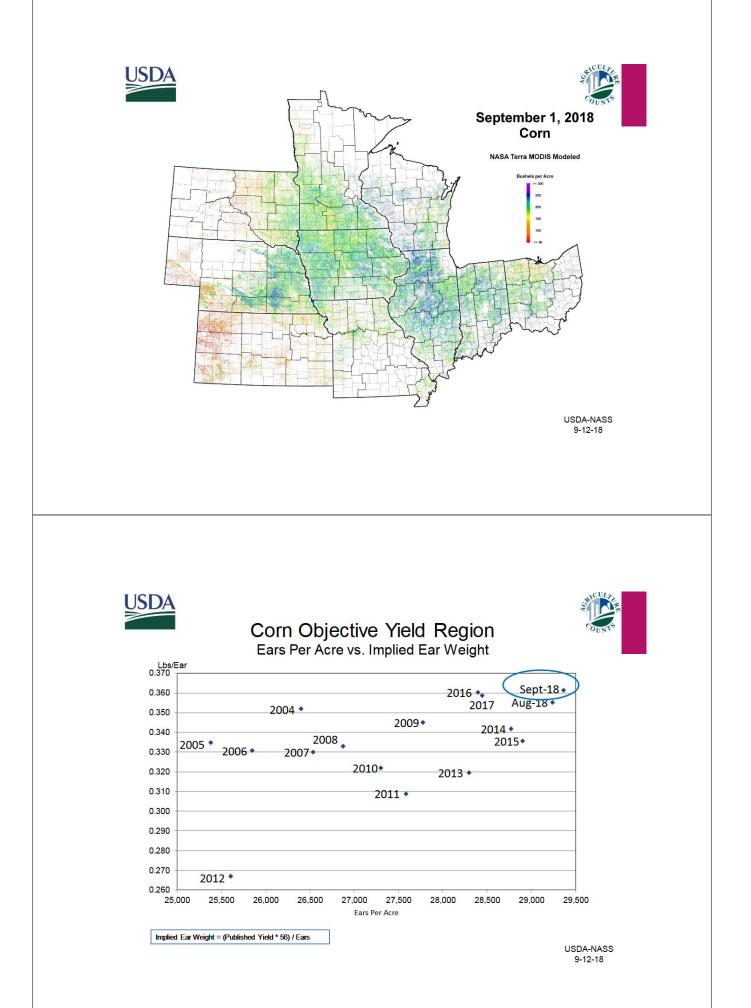


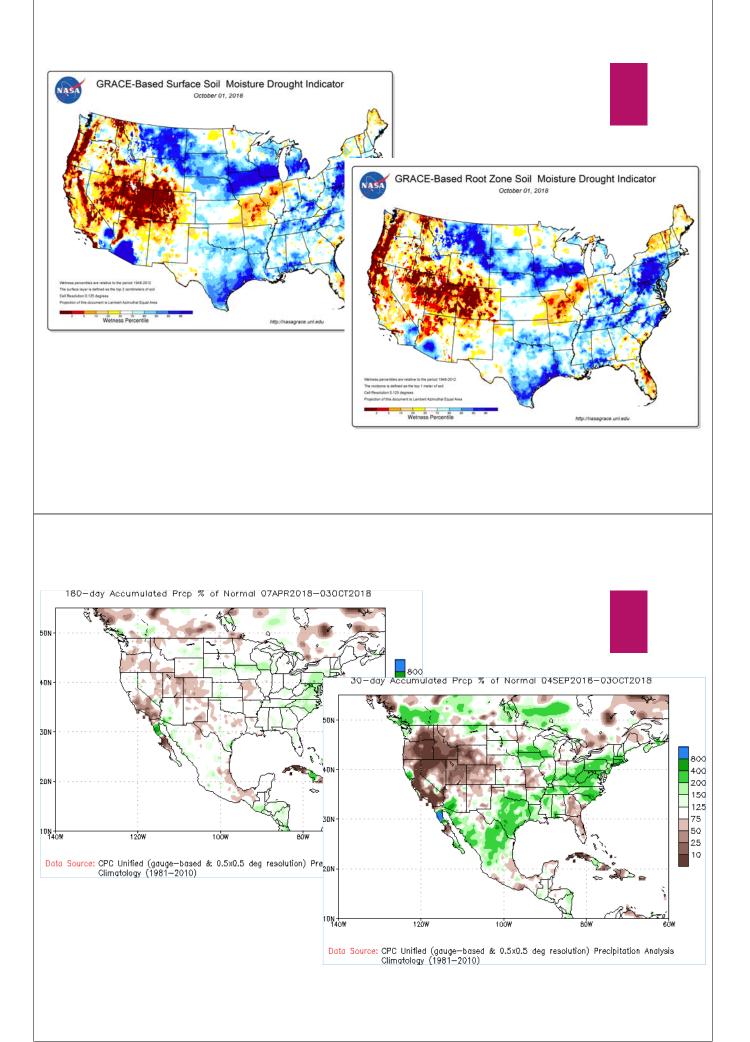












U.S. Corn Supply & Demand

Items	MY 2017/18	MY 2018/19	Vs Aug 2018	Vs Year Ago
Beginning Stocks (mln bu)	2,293	2,002	(25)	(291)
Production	14,604	14,827	+241	+223
<u>Imports</u>	<u>40</u>	<u>50</u>		<u>+10</u>
Total Supply (min bu)	16,937	16,879	+215	(58)

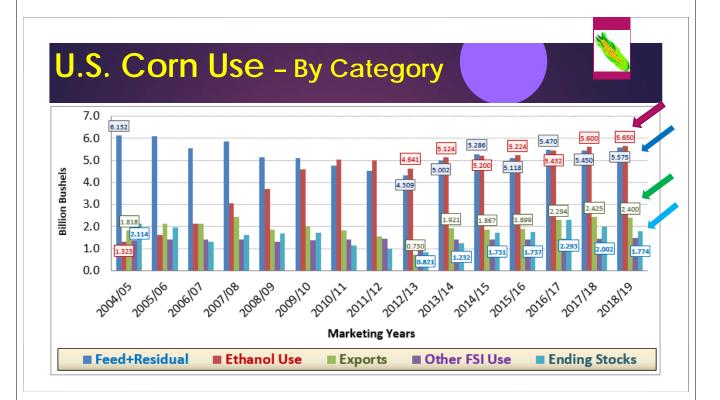
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Beginning Stocks (mln bu)	2,293	2,002	(25)	(291)
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<u>Imports</u>	<u>40</u>	<u>50</u>		<u>+10</u>
Total Supply (min bu)	16,937	16,879	+215	(58)
Ethanol Use	5,600	5,650	+25	+50
Other Food, Seed, Industrial	1,460	1,480		+20
Exports	2,425	2,400	+50	(25)
Feed & Residual	<u>5,450</u>	<u>5,575</u>	+50	<u>+125</u>
Total Use (mln bu)	14,935	15,105	+125	+170

U.S. Corn Supply & Demand

Items	MY 2017/18	MY 2018/19	Vs July 2018	Vs Year Ago
Beginning Stocks (mln bu)	2,293	2,002	(25)	(291)
Production	14,604	14,827	+241	+223
<u>Imports</u>	<u>40</u>	<u>50</u>		<u>+10</u>
Total Supply (min bu)	16,937	16,879	+215	(58)
Ethanol Use	5,600	5,650	+25	+50
Other Food, Seed, Industrial	1,460	1,480		+20
Exports	2,425	2,400	+50	(25)
Feed & Residual	<u>5,450</u>	<u>5,575</u>	+50	+125
Total Use (min bu)	14,935	15,105	+125	+170
Ending Stocks (mln bu)	2,002	1,774	+90	(228)
% Ending Stocks-to-Use	13.4%	11.7%) (0.2%)	(1.7%)
U.S. Avg. Price\$ (\$/bu)	\$3.40	\$3.60		+\$0.20





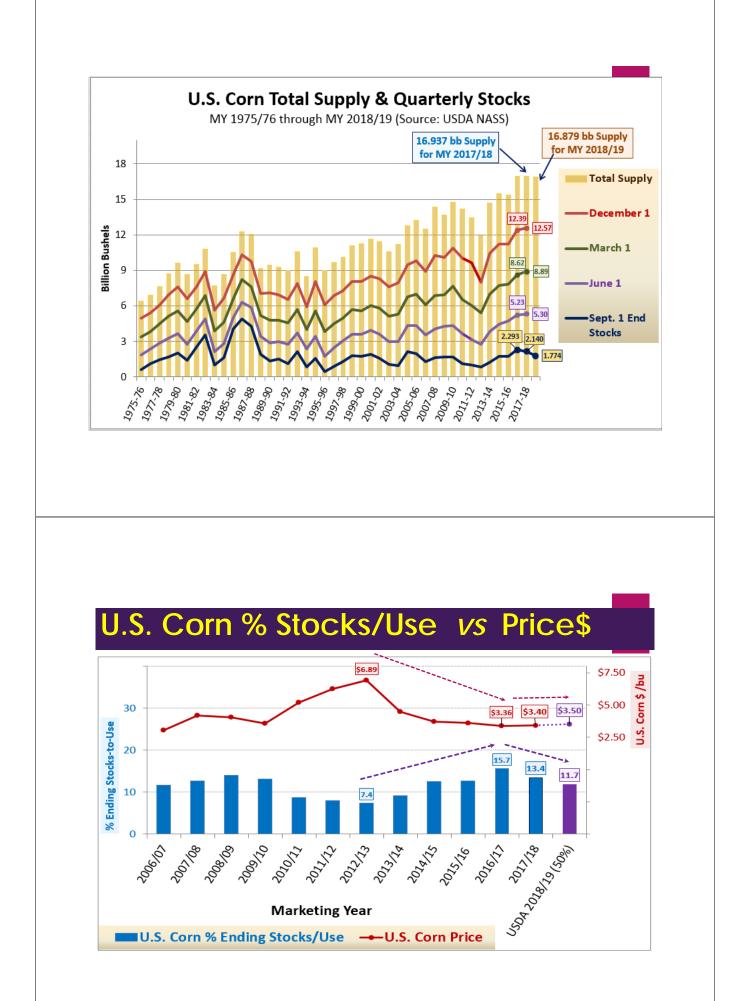
U.S. Meat Production and Prices

	20	2018				
		Change	from		Change from	Change from
Item	Estimate	August	t 10	Forecast	August 10	2018
Production)	Billion Pound	<mark>s</mark>	
Beef	27.09	-		27.72		0.63
Pork	26.67	-0.04		27.88		1.20
Broilers	42.62	**	•	43.42	(0.80
Turkey	5.93	-0.01		5.99	0.02	0.06
Total Meat	103.08	-0.03		105.76	0.02	2.68
Prices			L	Dollars per cu	vt	
Stears	115 71	-0 13	3	117.75		2.05
2019 U.S. Meat	Productio	<u>n</u>	1	40.25	-0.50	-2.88
Beef, Pork, & Broi	ilers & Turke	⊃V	C	ents per pour	nd	
		-		95.8	-4.0	-1.3
production are a	ll projected	to		84.5	-3.0	3.4
be higher	in 2019					

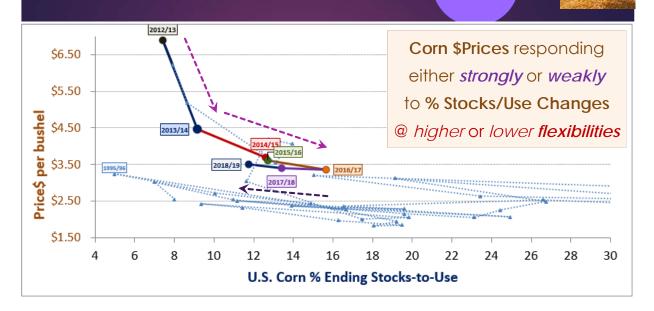
U.S. Corn Exports – Weekly thru September 27, 2018



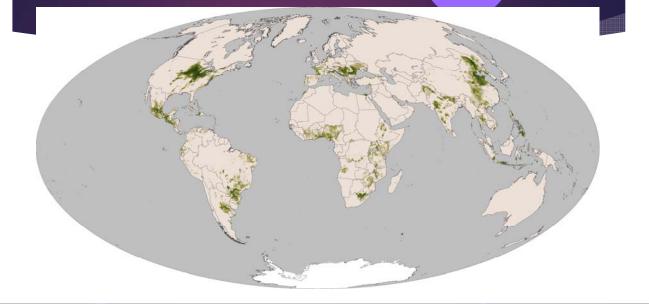


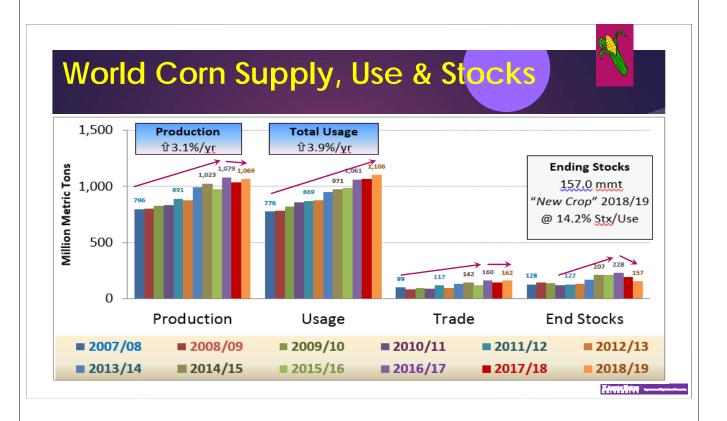


U.S. Corn % Stocks/Use vs Prices



World Corn (Maize) Production Regions





World Corn Production

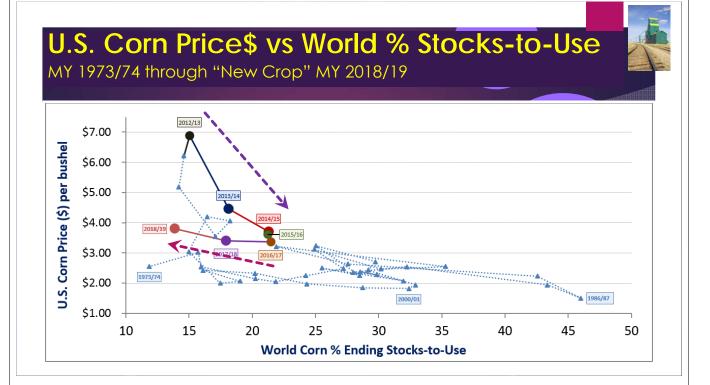
	2017/2018		2018/2019		
		Change from		Change from	Change from
Country or Region	Estimate	August 10	Forecast	August 10	2017/2018
			- Million Ton	s	
World	1,033.6	0.3	1,069.0	7.9	35.4
United States	371.0		376.6	6.1	5.7
Foreign	662.7	0.3	692.4	1.8	29.7
Argentina	32.0	-1.0	41.0		9.0
Brazil	82.0	-1.0	94.5		12.5
Mexico	26.8		26.0		-0.8
Canada	14.1		14.3	-0.5	0.2
European Union	62.3		60.8	1.0	-1.5
Serbia	4.0		6.8	0.2	2.8
FSU-12	42.1		47.8	0.1	5.7
Ukraine	24.1		31.0		6.9
Russia	13.2		12.0		-1.2
South Africa	13.8		13.0	-0.5	-0.8
China	215.9		225.0		9.1
India	28.7	1.8	26.0		-2.7

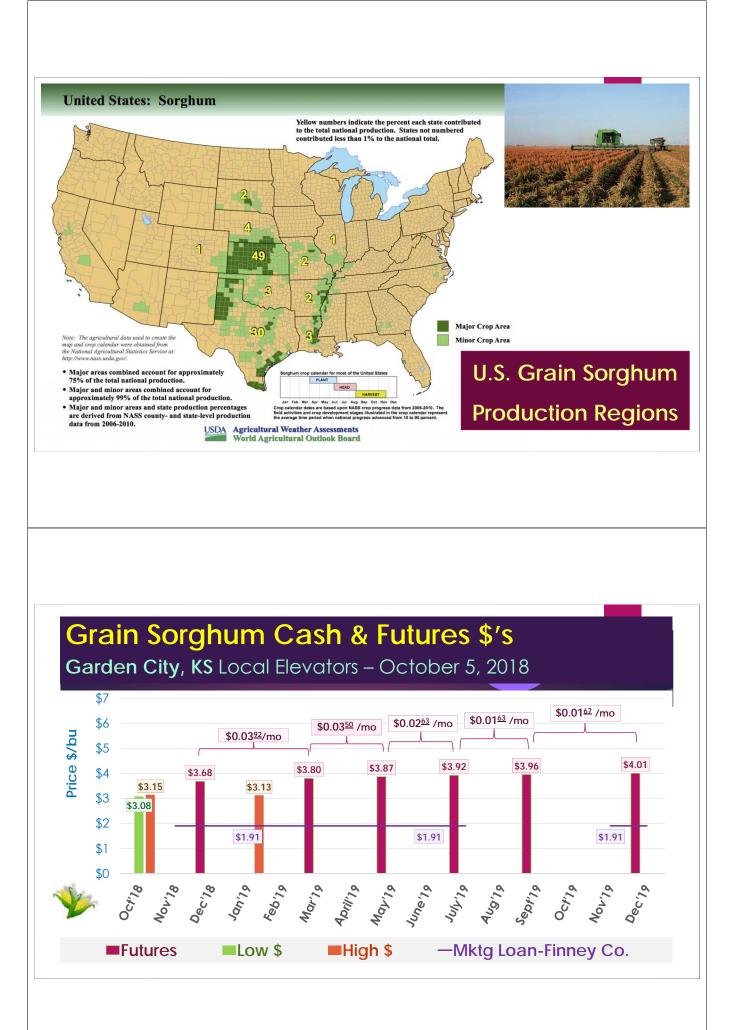
-- No change.

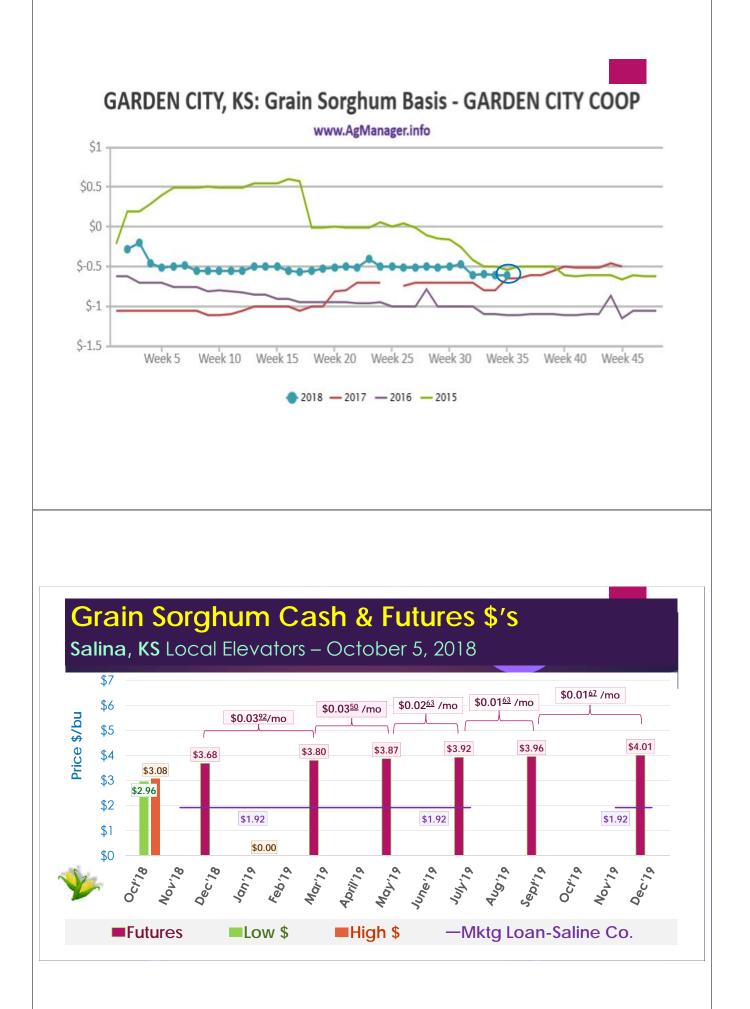


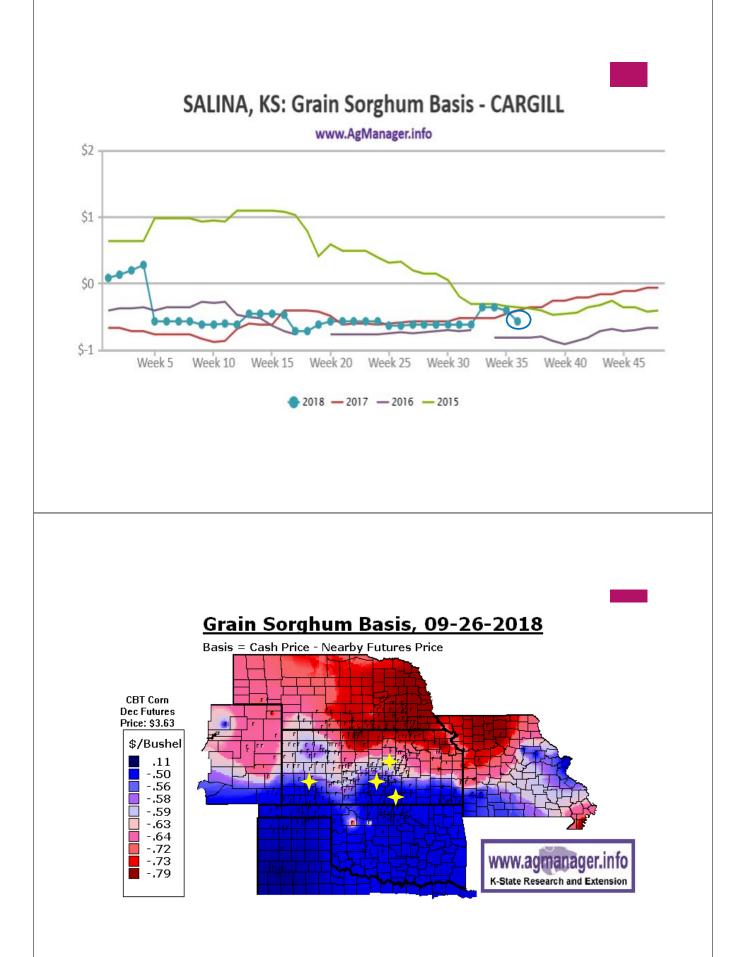
World Corn Supply and Use

	2017	2017/2018		2018/2019			
		Change from		Change from	Change from		
ltem	Estimate	August 10	Forecast	August 10	2017/2018		
		Million Tons					
Beginning stocks	227.8	**	194.1	0.8	-33.7		
Production	1,033.6	0.3	1,069.0	7.9	35.4		
Total Supply	1,261.5	0.3	1,263.1	8.8	1.7		
Feed use	652.6	1.9	676.9	5.5	24.3		
Total use	1,067.3	-0.5	1,106.1	7.2	38.8		
Trade	146.2	-1.3	161.7	2.1	15.5		
Ending Stocks	194.1	0.8	157.0	1.5	-37.1		

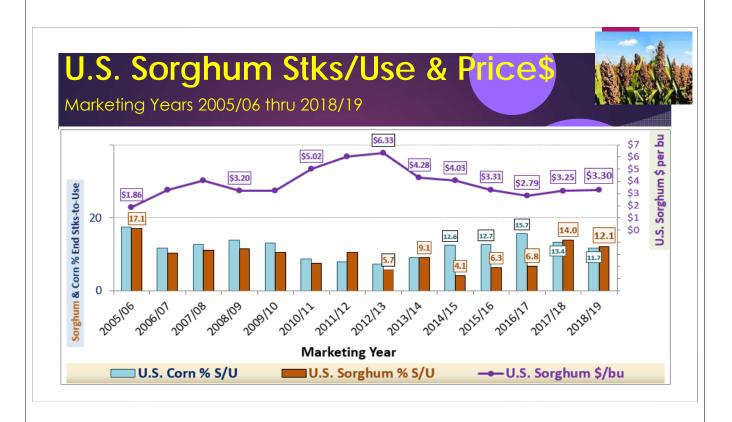




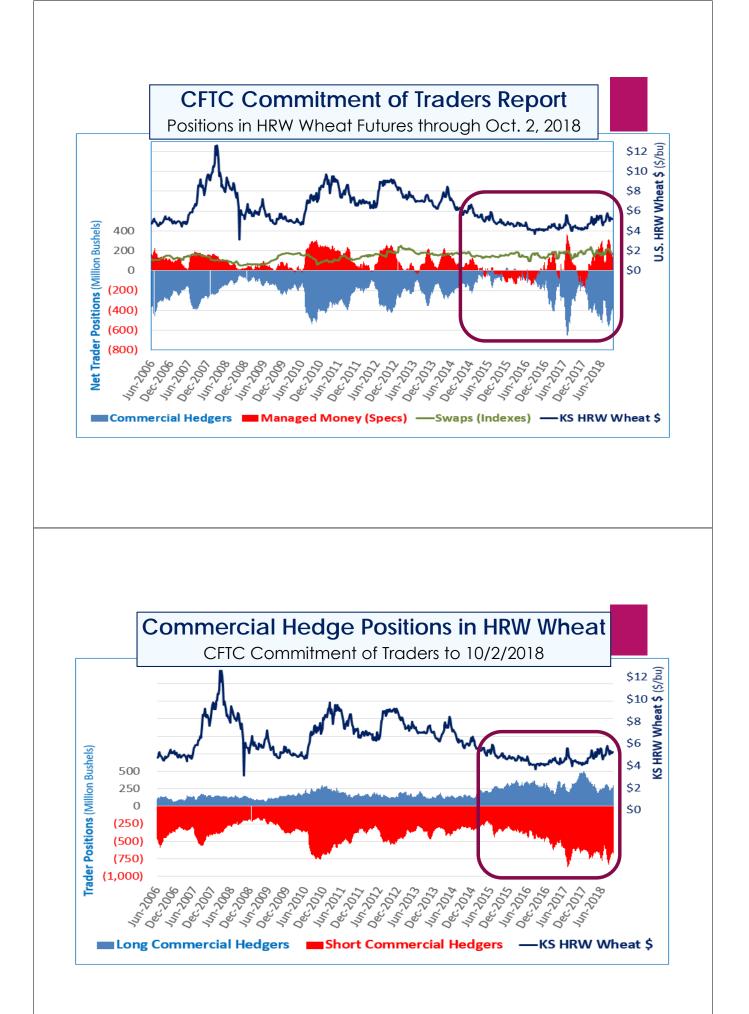


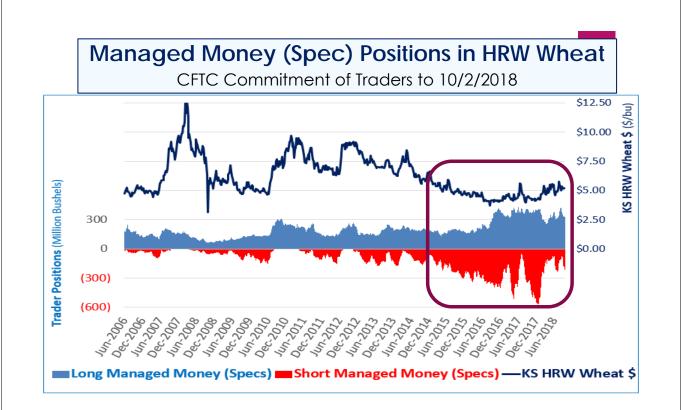


U.S. Sorghum Use & End Stocks 600 500 33 400 342 **Million Bushels** 49 238 300 175 352 ATT THE 205 200 114 136 124 100 14 82 133 104 85 80 0 2015/16 2016/17 2017/128 2014/15 2007/08 2012/13 2013/14 2008/09 2009/10 2018/19 2006/07 2010/11 2011/12 **Marketing Years** ■ Feed+Residual ■ Food, Alcohol, Industrial ■ Seed □ Exports 🖽 Ending Stocks **U.S. Sorghum Exports** Marketing Years 2012/13 thru 2018/19 (as of September 350 2014/15 2015/16 300 **Million Bushels** 250 200 2016/17 013/14 150 100 2018/19 50 2012/13 0 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 Weeks of Marketing Year (September 1st - August 31st) **---2012/13 ---2013/14 -**--2014/15 **-**--2015/16 **-**--2016/17 **-**--2017/18 **-**--2018/19









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.S. Wheat Exports to increase

• Exports ^{2018/19}	= 1	1.025 bln bu (778 mb - 1.291 bb range since 2008/09)
$_\circ$ Food Use $^{2018/19}$	=	970 mln bu <i>(Level Use since MY 2012/13)</i>
• Feed Use ^{2018/19}	=	120 mln bu (<i>Down</i> from 228-365 mb in 2012 - 2013)
• HRW Exports ^{2018/19}	=	375 mln bu (<i>vs</i> 371 mb & 455 mb last 2 years)

U.S. Wheat Stocks.... All U.S. Wheat: "Declining" Stocks End Stocks ^{2018/19} ⇒ 935 mln bu (1.100 bb last year) % Stocks/Use ^{2018/19} ⇒ 43.0% S/U (55.6% Stx/Use last year) U.S. HRW Wheat: "Still Large" Carryover (also declining) End Stocks ^{2018/19} ⇒ 409 mln bu (581 mb last year) % Stocks/Use ^{2017/18} ⇒ 48.8% S/U (76.0% Stx/Use last year)

2018 U.S. Wheat Quality & Grades

- HRW Wheat ²⁰¹⁸
 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
 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

KANDAS STATE

<u>HRS Wheat ²⁰¹⁸</u> ⇒ 14.7% protein, 61.7 lb test, 0.8% defects
 Versus 14.6% protein, 61.2 lb test wt, 1.0% defects in 2017

World Wheat Market Prospects:

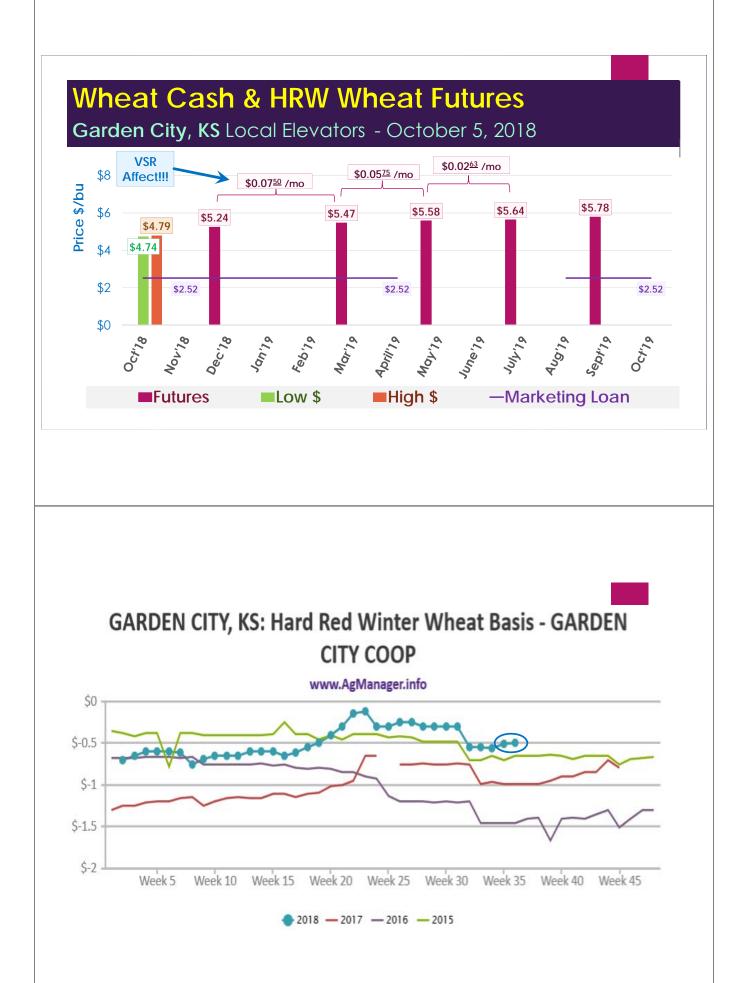
Large Supplies ⇒ Less of a "Buyer's Market

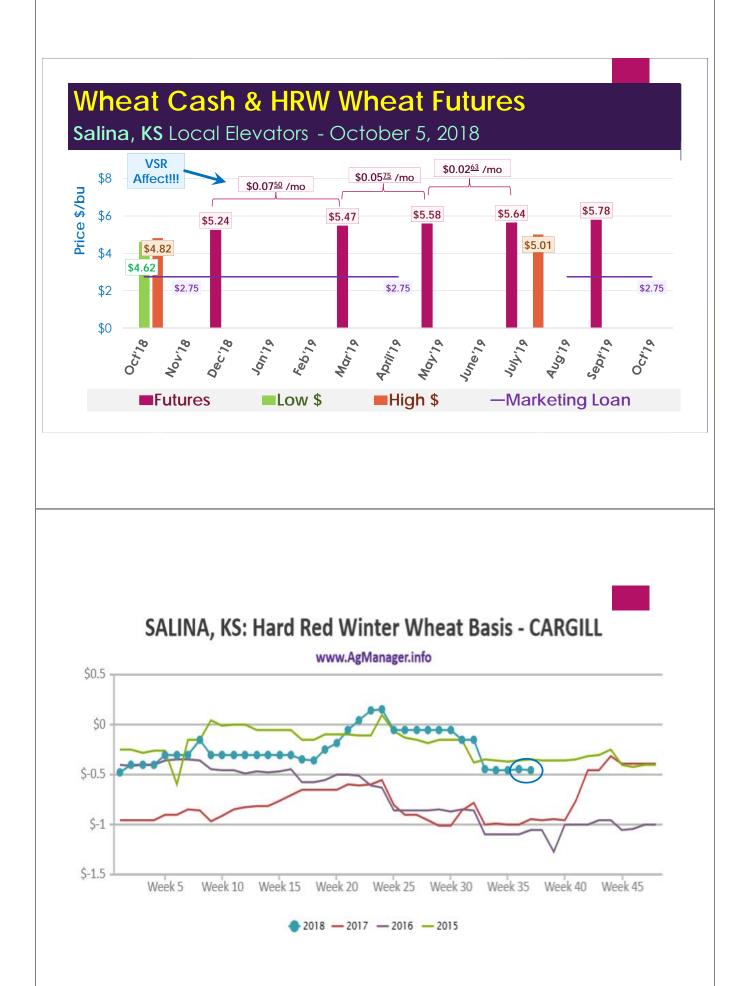
- Lower Supplies BUT <u>Record</u> Usage Forecast for 2018/19

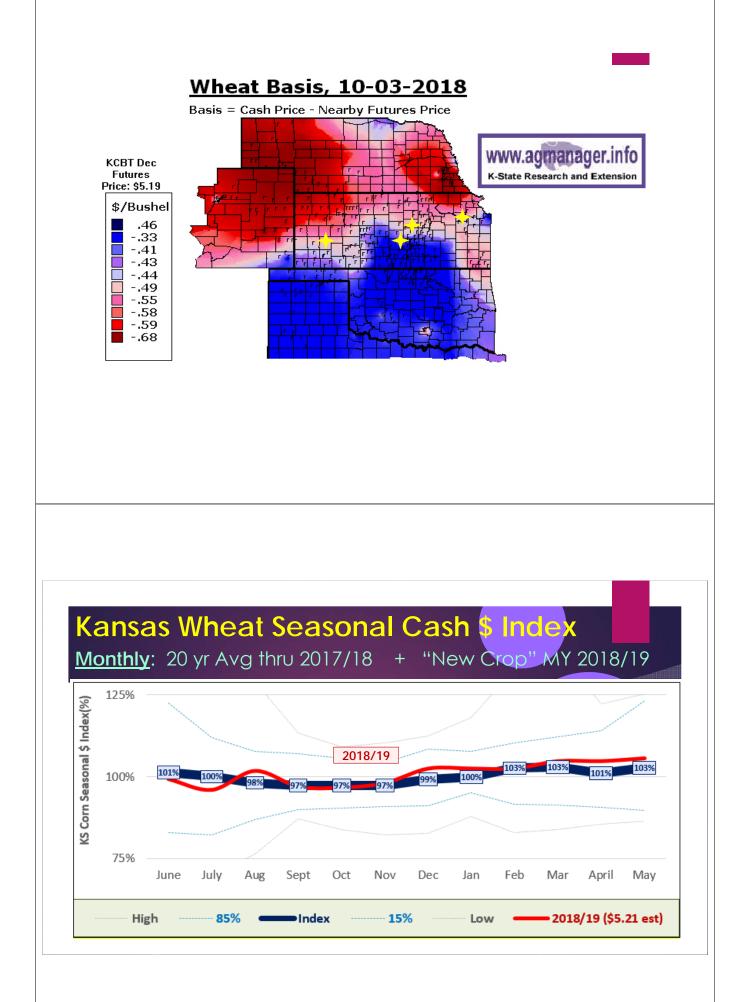
 1st year lower after 4 consecutive record high World wheat crops
- Poorer 2018 crops: E.U. France-Germany, Australia, & Russia
- More *"competitive buying pressure"* in World Trade
 - o <u>"Tight" supplies</u> among Top 7 World Wheat Exporters
 - NOT MUCH evidence "YET" of "stronger" U.S. wheat exports

KANNAS STATE Replaced digital and the

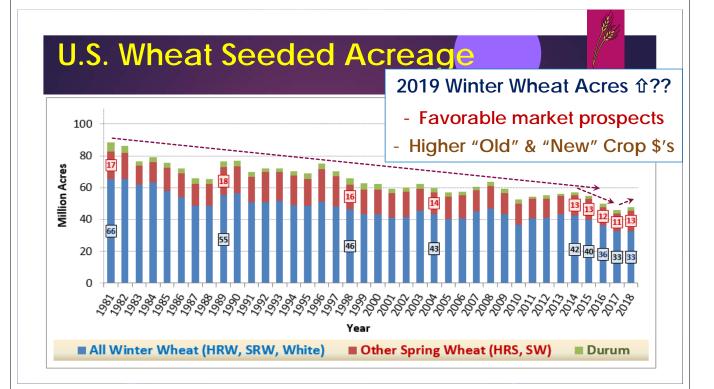


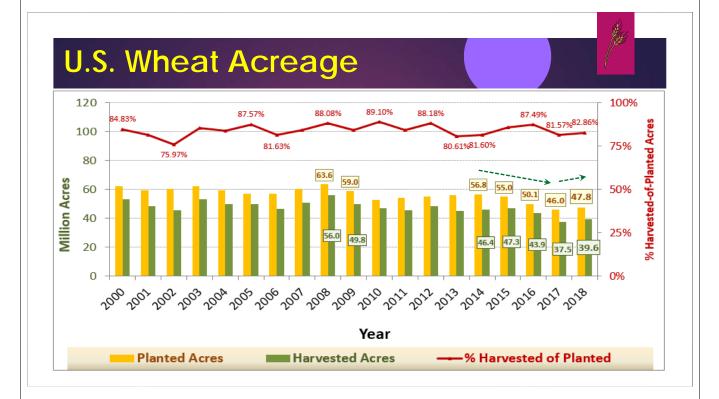


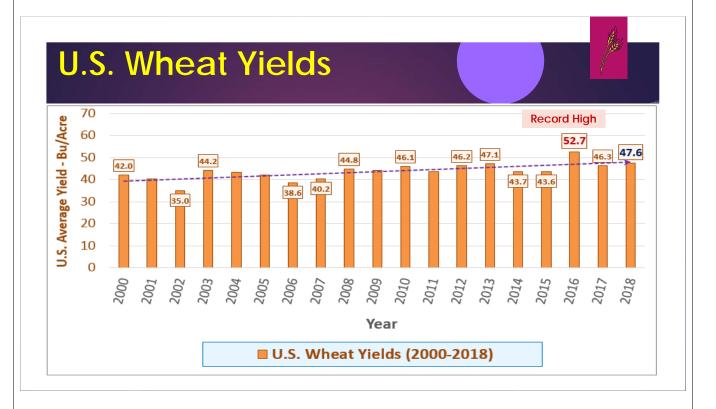


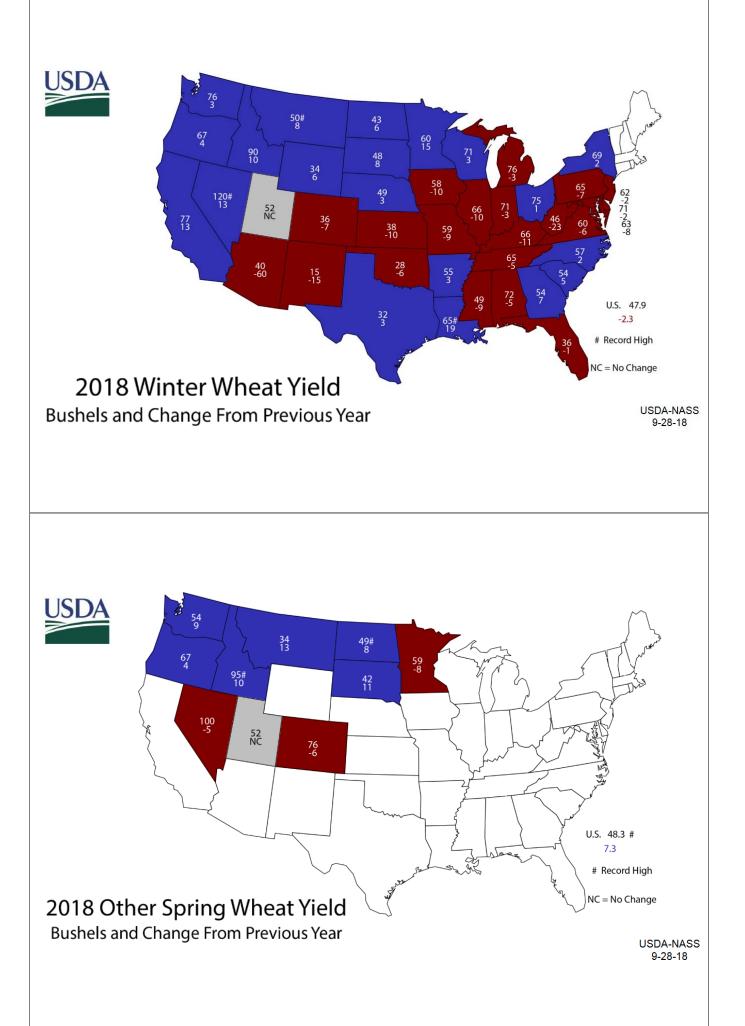


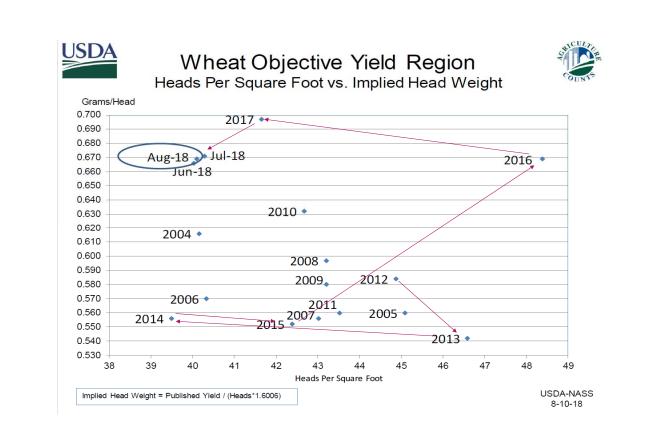












U.S. Wheat Supply & Demand

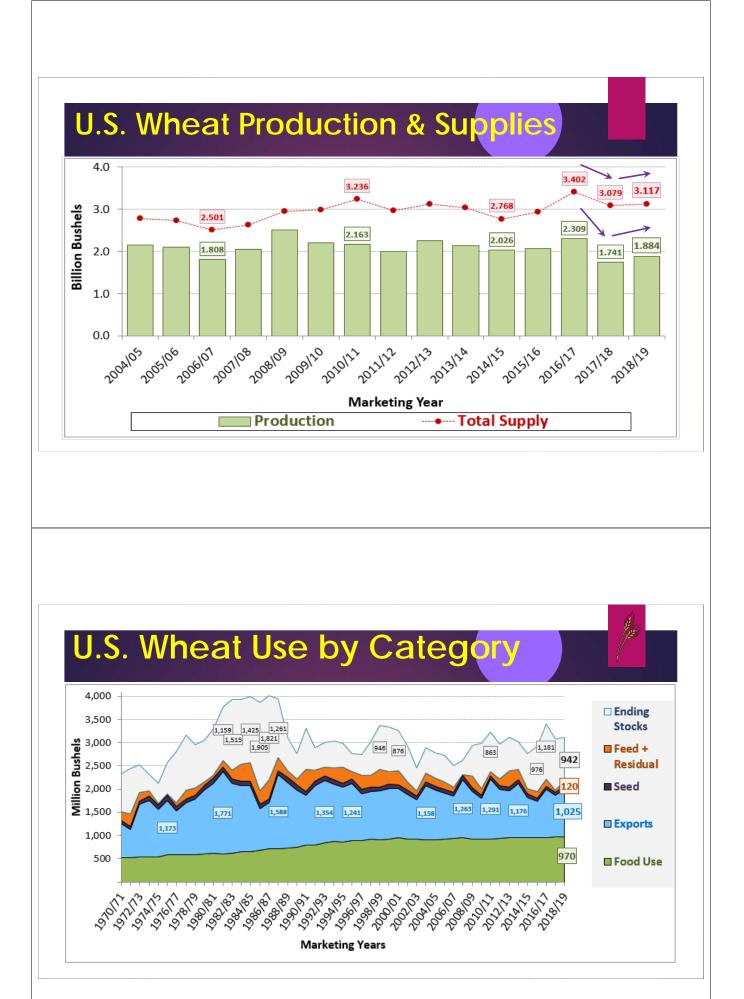
Items	MY 2017/18	MY 2018/19	Vs Aug 2018	Vs Last Year
Beginning Stocks (mln bu)	1,181	1,100		(81)
Production	1,741	*1,884	+7	+143
<u>Imports</u>	157	<u>135</u>		<u>(22)</u>
Total Supply (min bu)	3,079	*3,119	+7	+40

U.S. Wheat Supply & Demand

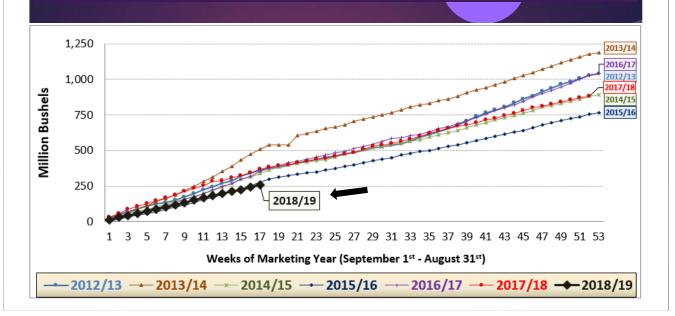
Items	MY 2017/18	MY 2018/19	Vs 9/28/2018	Vs Last Year
Beginning Stocks (mln bu)	1,181	1,100		(81)
Production	1,741	*1,884	+7	+143
<u>Imports</u>	157	<u>135</u>		<u>(22)</u>
Total Supply (min bu)	3,079	*3,119	+7	+40
Food Use	964	970	>	+6
Seed Use	64	62		(2)
Exports	901	1,025	>	+124
Feed & Residual	<u>48</u>	<u>120</u>	>	<u>+72</u>
Total Use (min bu)	1,978	2,177		+199

U.S. Wheat Supply & Demand

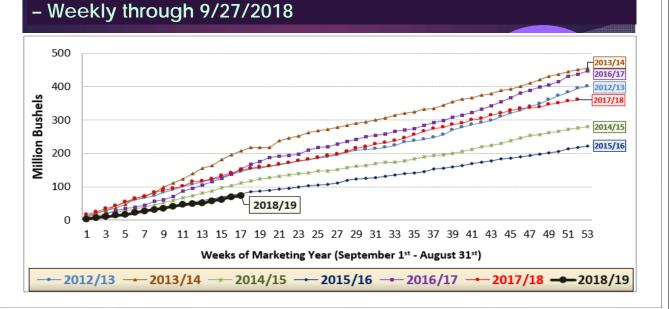
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Exports	901	1,025		+124
Feed & Residual	<u>48</u>	<u>120</u>		<u>+72</u>
Total Use (mln bu)	1,978	2,177		+199
Ending Stocks (mln bu)	1,100	942	+7	(158)
% Ending Stocks-to-Use	55.6%	43.3%	+0.35%	(12.3%)
U.S. Avg. Price\$ (\$/bu)	\$4.73	\$5.10	>	+\$0.37

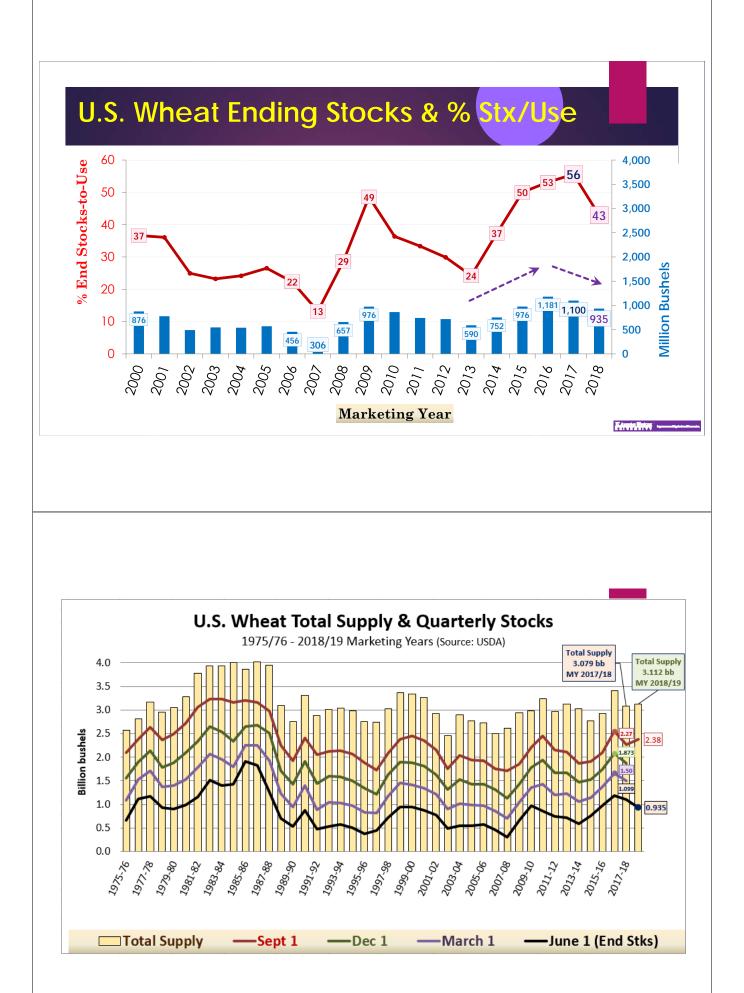


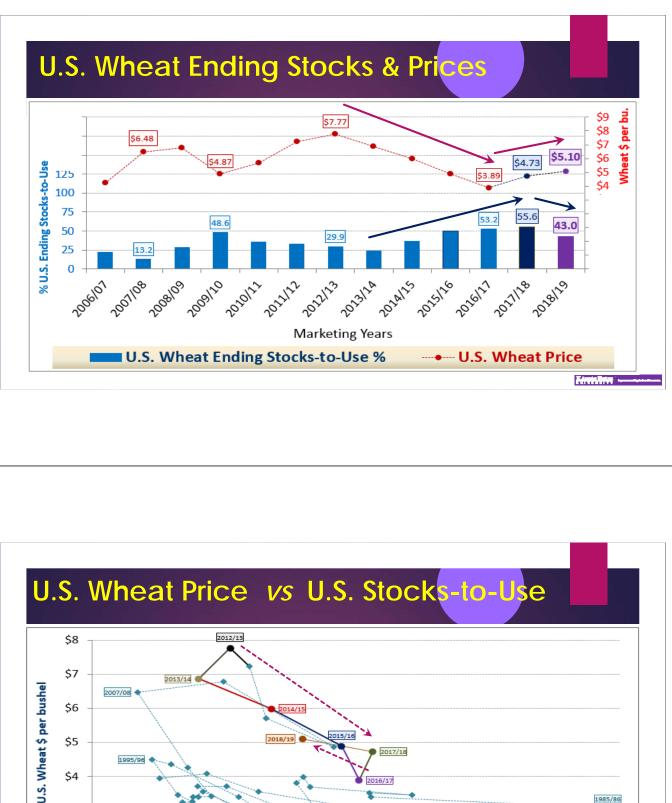
U.S. All Wheat Exports – Weekly thru September 27, 2018

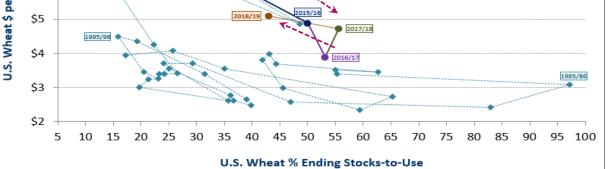


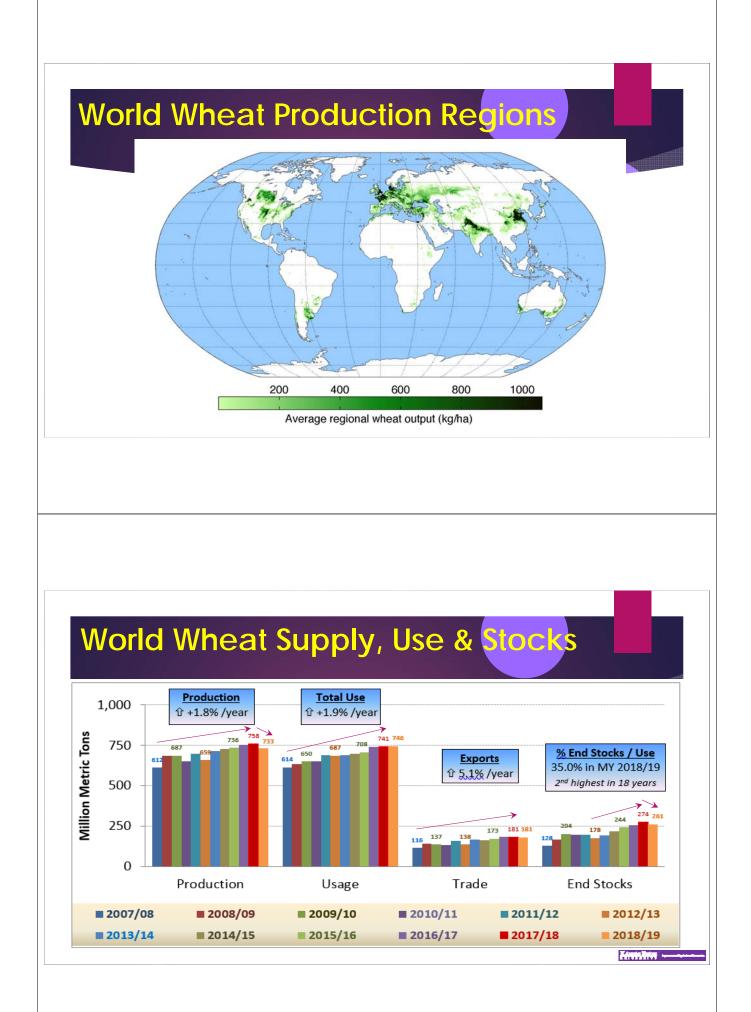
U.S. Hard Red Winter Wheat Exports











	2017/2018		2018/2019					
		Change from		Change from	Change from			
Country or Region	Estimate	August 10	Forecast	August 10	2017/2018			
	Million Tons							
World	758.3	0.3	733.0	3.4	-25.3			
United States	47.4		51.1		3.7			
Foreign	710.9	0.3	681.9	3.4	-29.0			
Argentina	18.0		19.5		1.5			
Canada	30.0	**	31.5	-1.0	1.5			
Australia	21.3		20.0	-2.0	-1.3			
European Union	151.7		137.5		-14.2			
Turkey	21.0		19.0		-2.0			
Russia	85.0		71.0	3.0	-14.0			
Ukraine	27.0		25.5		-1.5			
Kazakhstan	14.8		15.0	0.5	0.2			
China	129.8		128.0		-1.8			
India	98.5		99.7	2.7	1.2			
Northwest Africa	10.6		12.4		1.9			

World Wheat Production

World Wheat Supply and Use

	2017	2017/2018		2018/2019		
		Change from		Change from	Change from	
ltem	Estimate	August 10	Forecast	August 10	2017/2018	
		Million Tons				
Beginning stocks	257.1	-0.1	274.4	1.3	17.3	
Production	758.3	0.3	733.0	3.4	-25.3	
Total Supply	1,015.4	0.2	1,007.4	4.7	-8.0	
Feed use	144.4	-0.8	140.7	2.3	-3.6	
Total use	741.0	-1.1	746.1	2.3	5.1	
Trade	181.4	-1.2	181.4	-2.5	**	
Ending Stocks	274.4	1.3	261.3	2.3	-13.1	

