Corn Market Outlook & Strategies for 2018

Kansas Corn School

Leavenworth, Kansas

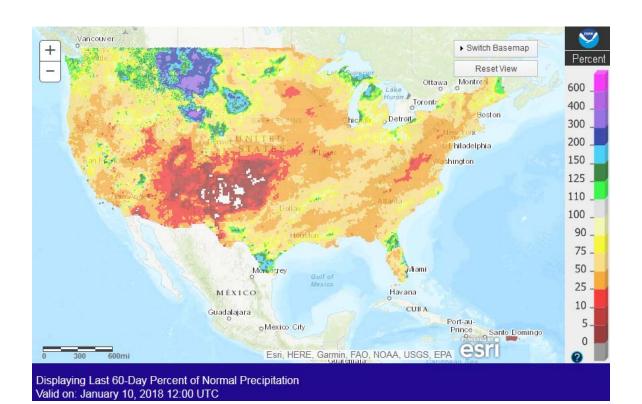
DANIEL O'BRIEN

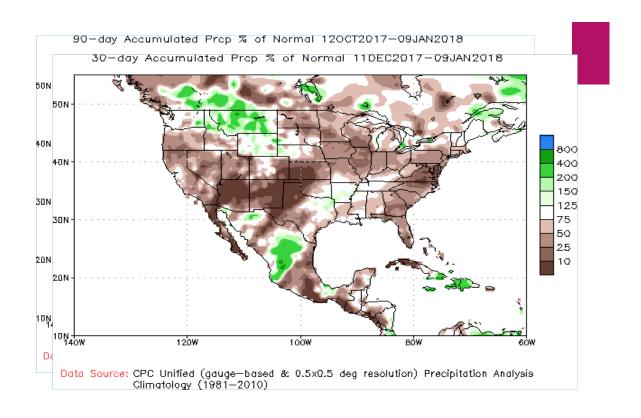
EXTENSION AGRICULTURAL ECONOMIST

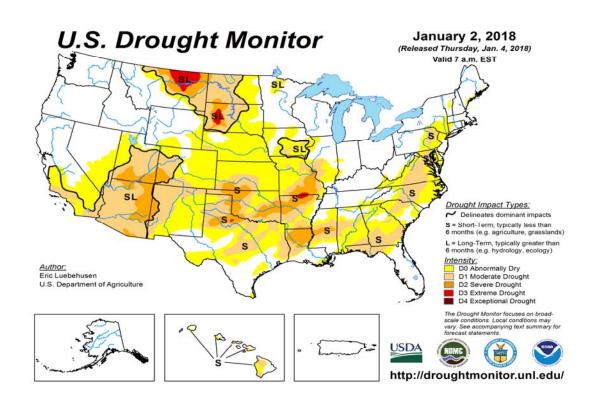


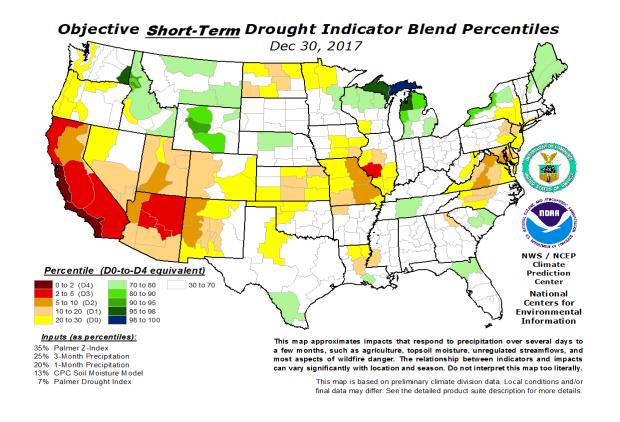
Department of Agricultural Economics



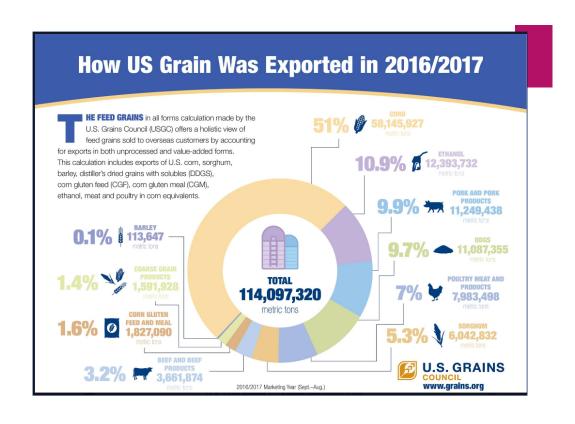














U.S. Corn Supply-Use

- Large Supplies & Stocks are limiting Feedgrain Price\$'s
- Low Price\$'s are supporting Corn Use

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• Livestock Feed ^{2017/18} = 5.575 bln bu (10 year high - vs 5.858 bb in 2007/08)
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o Ethanol ^{2017/18} = 5.525 bln bu (Record high - vs 5.439 bb last year)
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- o Other FSI $^{2017/18}$ = 1.460 bln bu (Record high vs 1.452 bb in 2016/17)
- o Exports $^{2017/18}$ = 1.925 bln bu (vs 2.293 bb in '16/17 & 1.901 in '15/16)

Karmas Sparre

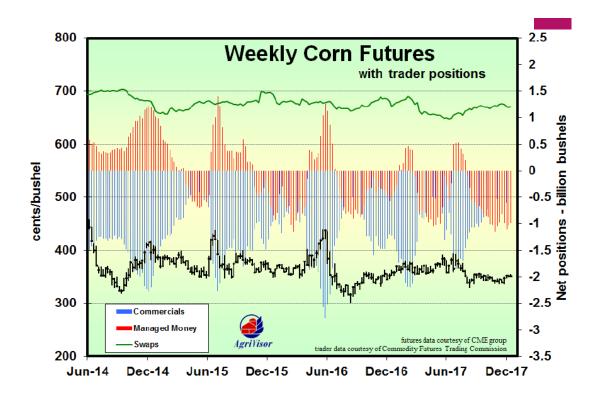
U.S. Corn Stocks & % Stocks/Use

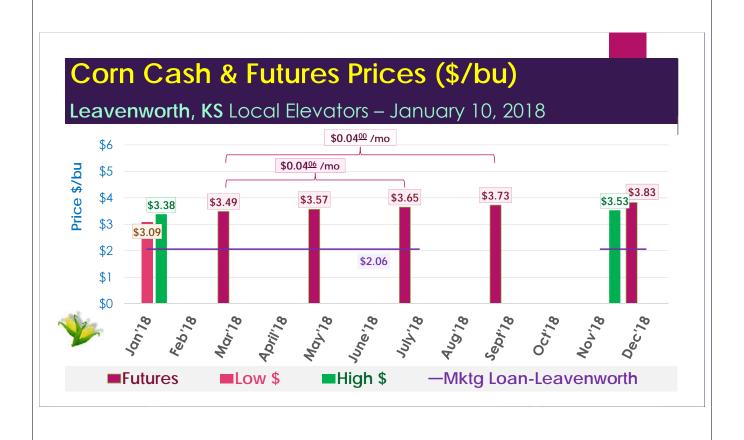
- Corn: "Large" Stocks & % Stx/Use
 - End Stocks $^{2017/18}$ \Rightarrow 2.437 bln bu (2nd highest since 1987/88)
 - o **% Stocks/Use** ^{2017/18} ⇒ 16.8% S/U (Highest since 2005/06)

KANDAR STATE

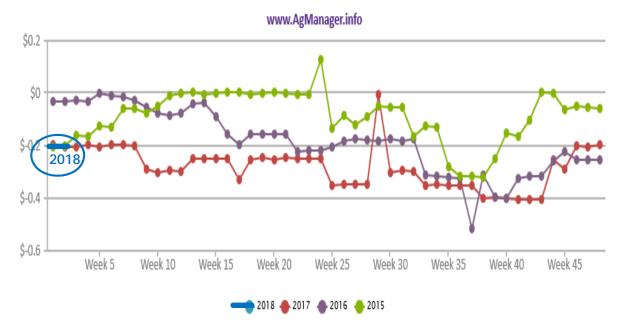




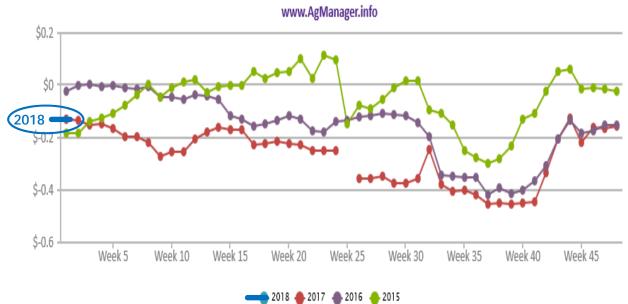




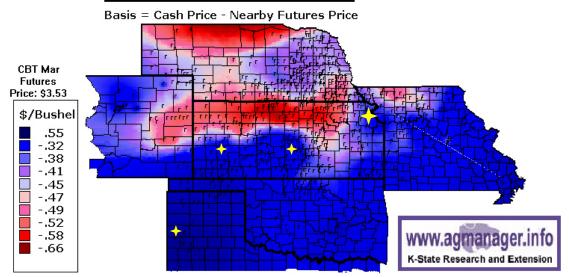
ATCHISON, KS: Corn Basis - MGP INGREDIENTS INC.



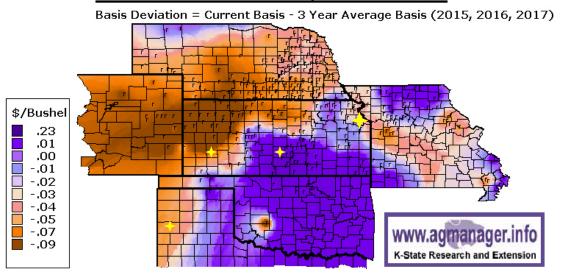
ATCHISON, KS: Corn Basis - BARTLETT GRAIN CO. LP



Corn Basis, 01-03-2018

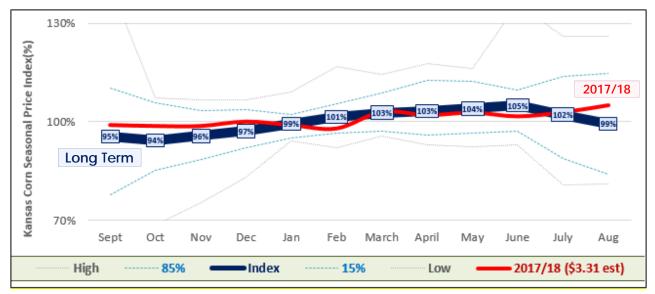


Corn Basis Deviation, 01-03-2018



Kansas Corn Seasonal Cash \$ Index

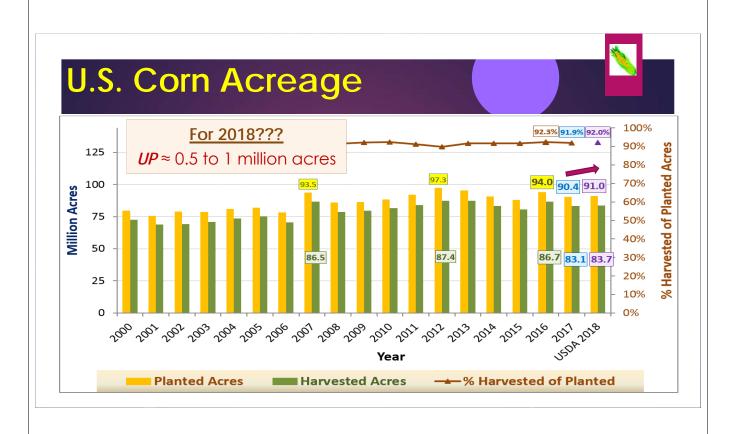
Monthly: Long Term Average & "New Crop" MY 2017/18 Forecast

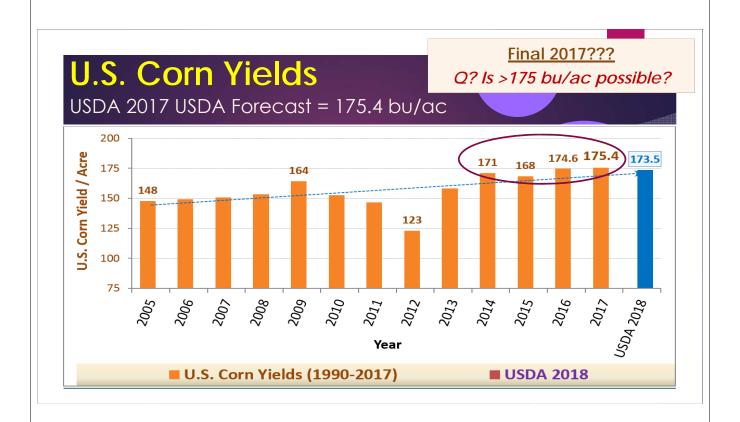


U.S. Corn Supply and Demand

			Change			
	2016/17	2017/18	from	Change from		
	estimate	forecast	November 9	2016/17	-	
Planted area (million acres)	94.0	90.4		-3.6		
Harvested area (million acres)	86.7	83.1		-3.6		
Yield (bushels per acre)	174.6	175.4		0.8	Crop	
•	•					
Beginning stocks	1,737	2,295		558	BUT still	
Production	15,148	14,578		-571	Large Supply	
Imports	57	50		-7	zargo ouppij	
Total supply	16,942	16,922		-20		
Feed and residual	5,463	5,575		112		
Food, seed, and industrial	6,891	6,985	50	94		
Ethanol	5,439	5,525	50	86	1 Domestic Use	
Domestic use	12,354	12,560	50	206	_ &	
Exports	2,293	1,925		-368		
Total use	14,647	14,485	50	-162	v =xpoits	
Ending stocks	2,295	2,437	-50	143		
_		A 0/ Chaples/Upo				
Stocks to use ratio	15.7	16.8	-0.4	1.2	企 % Stocks/Use	
Dollars per bushel						
Average market price	3.36	2.85/3.55		-0.16	₱ Prices	











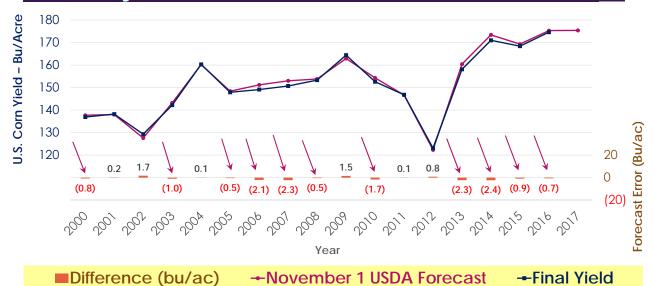
Corn Objective Yield Region Ears Per Acre vs. Implied Ear Weight

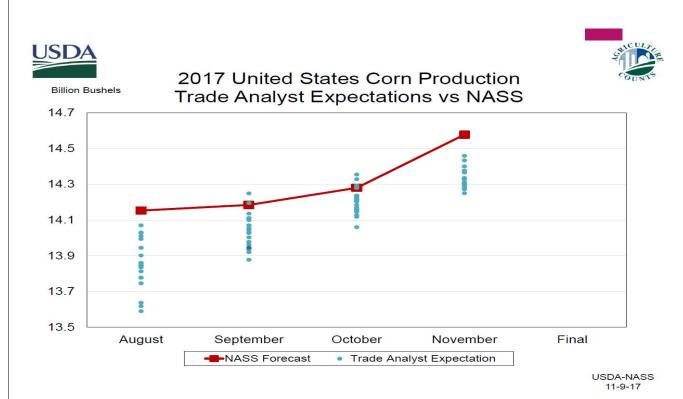


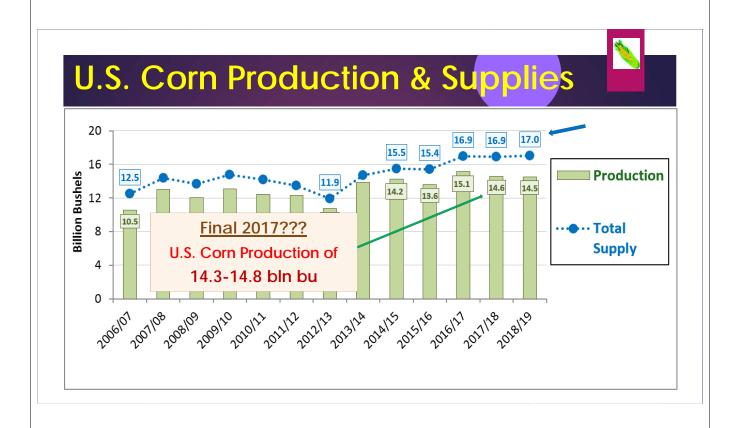
Implied Ear Weight = (Published Yield * 56) / Ears

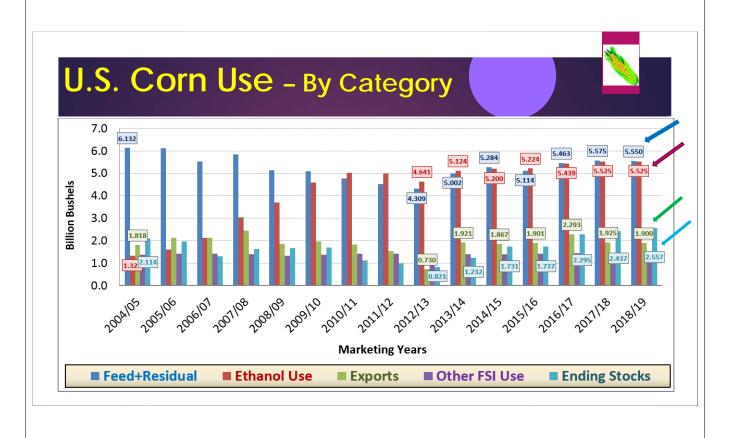
U.S. Corn Yields: 2000-2017

Accuracy of November 1st USDA Forecasts

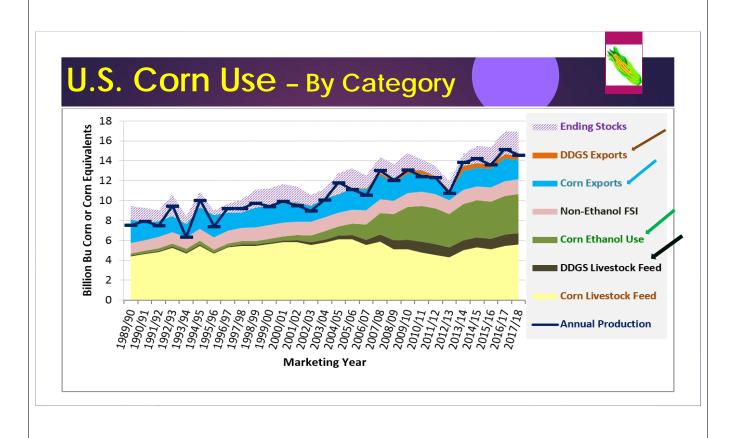






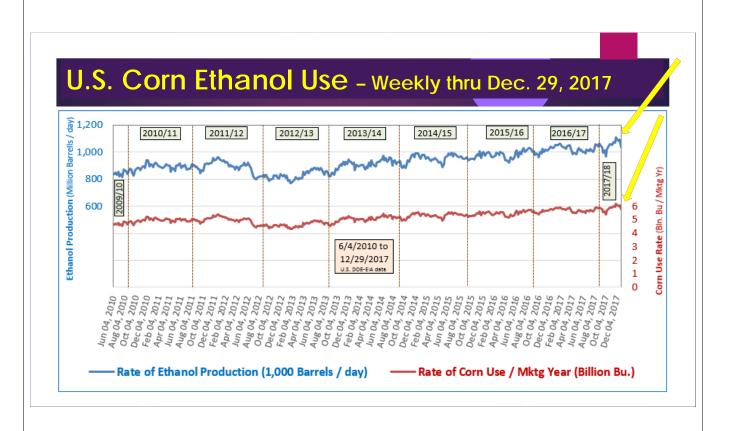


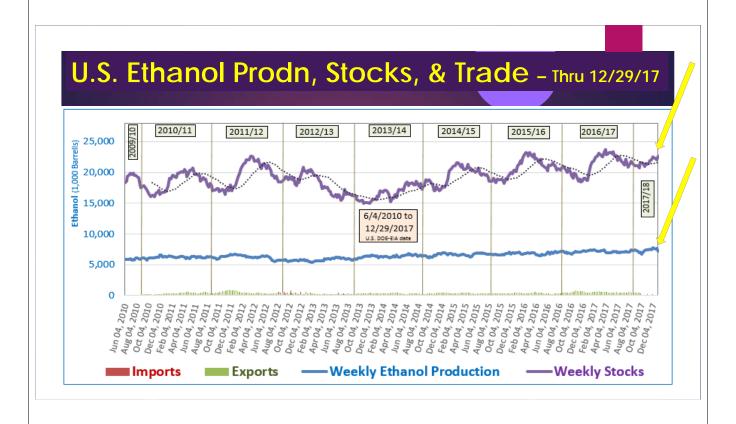




U.S. Meat Production and Prices

			2018		
	2017	2018	Change from	Change from	1
	forecast	forecast	November 9	2017	_
Production		Billion poun	ds		
Beef	26.30	27.59	-0.03	1.29	+4.9%
Pork	25.56	26.92	-0.01	1.36 +5.3% 0.73 +1.8% 0.03 +0.5%	
Broilers	41.54	42.28			
Turkey	6.00	6.03			
Total meat	100.16	103.57	-0.04	3.42	
				+	3.4%
Prices		Dollars/cw	t		
Steers	121.42	117.25		-4.17	
Hogs	50.38	47.50	2.50	-2.88	Pric
		Cents/lb			⊢ to
Broilers	93.4	88.5		-4.9	
Turkey	95.7	96.3	-3.0	0.5	

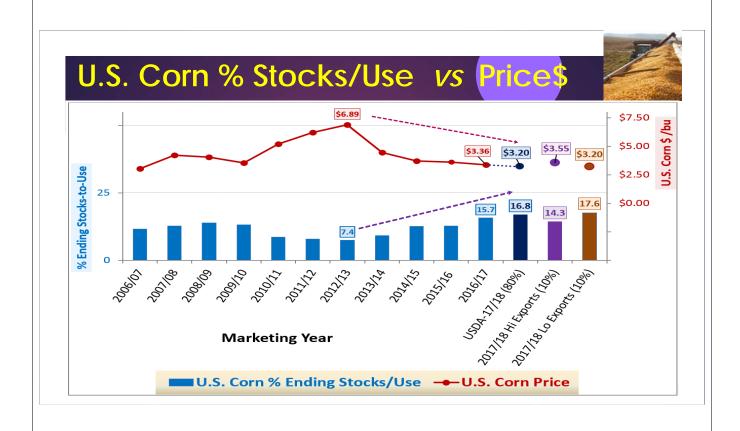


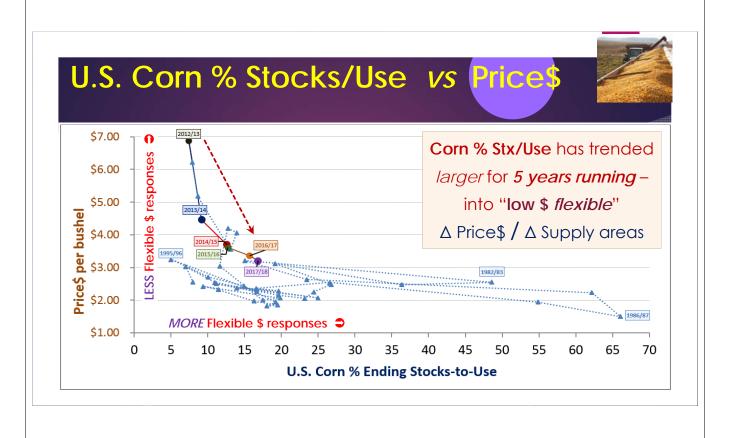


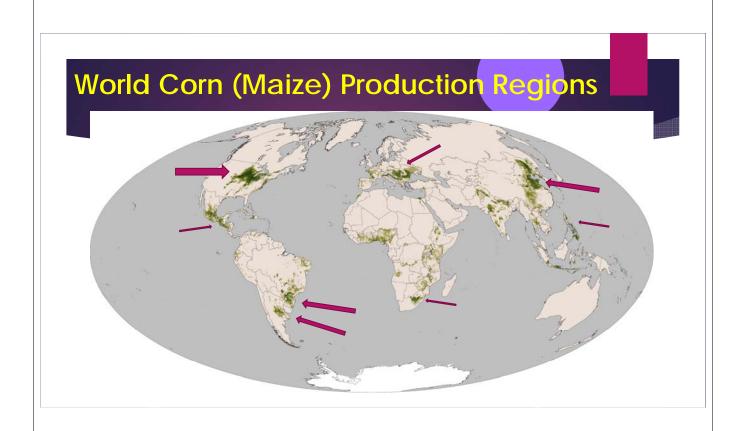


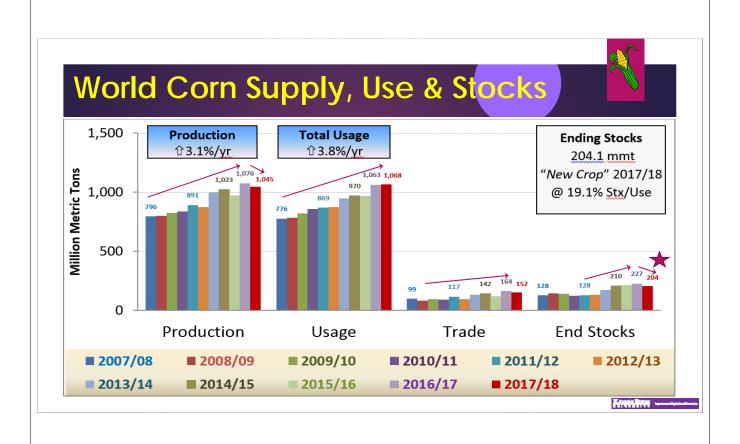






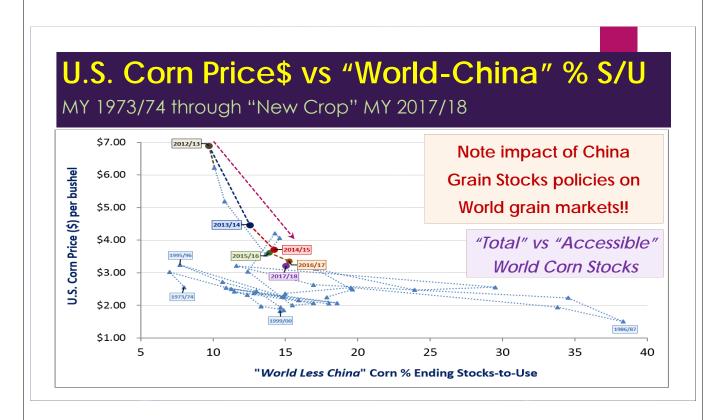






World Corn Production

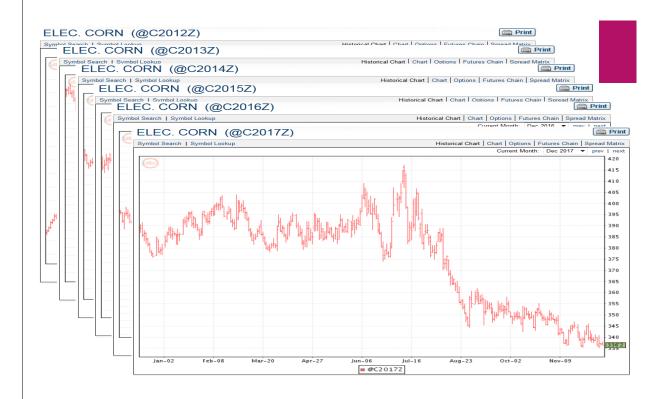
	2016/15	2017/10	Change	CI C	
Country or	2016/17	2017/18	from	Change from	
Region	estimate	forecast	November 9	2016/17	
		Mi			
World	1,075.5	1,044.7	0.85	-30.8	-
United States	384.8	370.3		-14.5	BUT still
Foreign	690.8	674.5	0.85	-16.3	<i>Large</i> Supply
Argentina	41.0	42.0		1.0	
Brazil	98.5	95.0		-3.5	China
Mexico	27.6	26.2		-1.4	₽ EU
Canada	13.2	14.1		0.9	<i> </i>
European Union	61.5	60.1	0.51	-1.4	
Serbia	7.6	4.0		-3.6	<i>↓ FSU-12</i>
FSU-12	47.3	43.2	-1.00	-4.0	
Ukraine	28.0	25.0		-3.0	<i> </i>
Russia	15.3	14.0	-1.00	-1.3	
South Africa	17.5	12.5		-5.0	
China	219.6	215.9	0.89	-3.7	☆ Canada
India	26.3	25.0		-1.3	

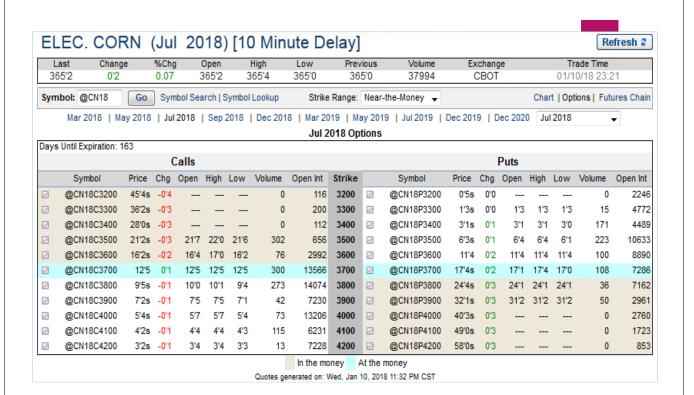


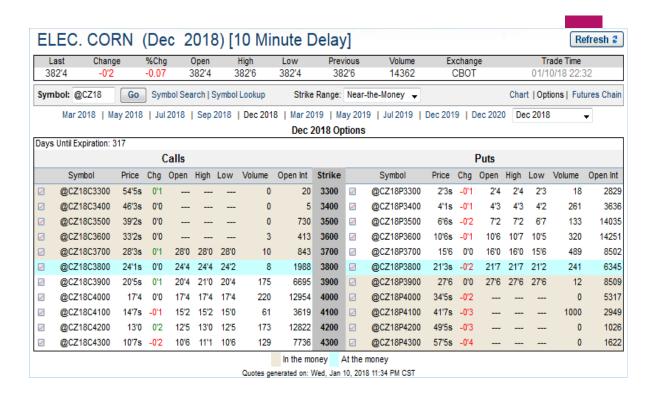
Probability of <u>Corn Futures</u> Trends

Examining 1990-2017 (Last 28 years)

- ► Likelihood of *Level-Higher* DEC Corn Futures??
 - o Trends through Spring-Summer (June-July)?
 - ⇒ Spring-Summer Price 1 occurred 28/28 Years (100%)
 - o Which direction did prices move by <u>Fall</u> (Nov-Dec)??
 - ⇒Price moving sideways / higher = 9/28 Years (32%)
 - ⇒Price moving <u>lower</u> = 19/28 Years (68%)







What "Old Crop" Corn Marketing Strategies are Likely to Work Best in 2018?

- ► For "Old Crop" 2017 Feedgrains
 - On-Farm Storage ⇒ Yes, <u>but</u> not until spring-summer 2018

 - Storage Hedge / Fwd Contract ⇒ Maybe ⇒ futures have "carry"!
 - Buy Puts or Marketing Loan ⇒ No Mktg Loans (Watch ♥ put costs)
 - Sell Cash & Buy Call Options
 ⇒ Watch narrower Basis (Yes post sales*)

What "New Crop" Corn Marketing Strategies are Likely to Work Best in 2018?

- ► For "New Crop" 2018 Feedgrains
 - Futures Hedge (HTA) ⇒ Yes, <u>but</u> not until spring-summer 2017

 - Buy Puts
 ⇒ Maybe @ spring/summer rallies
 - Marketing Loans
 ⇒ Be aware of Mktg Loan\$ vs Net Put\$
 - Fwrd Contract + Buy Calls ⇒ No if wide Basis (+ rally protection)

