Corn Market Outlook & Strategies for 2018

Kansas Corn School

Garden City, Kansas

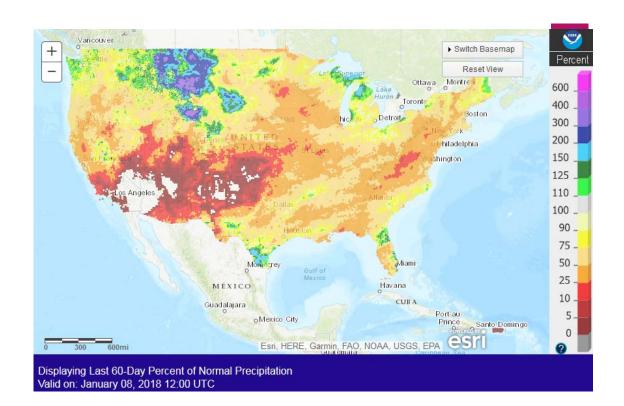
DANIEL O'BRIEN

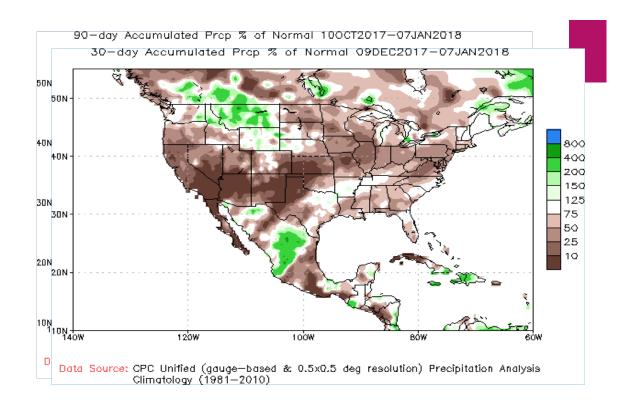
EXTENSION AGRICULTURAL ECONOMIST

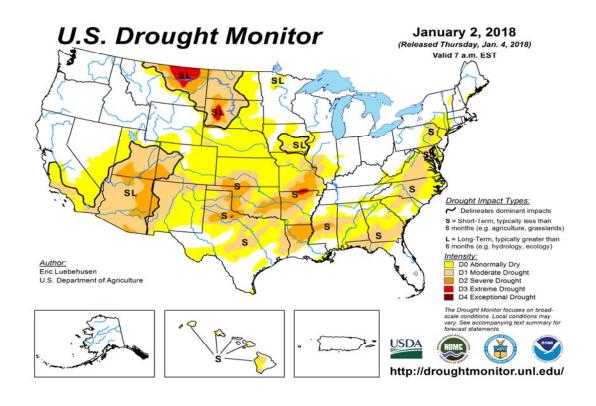


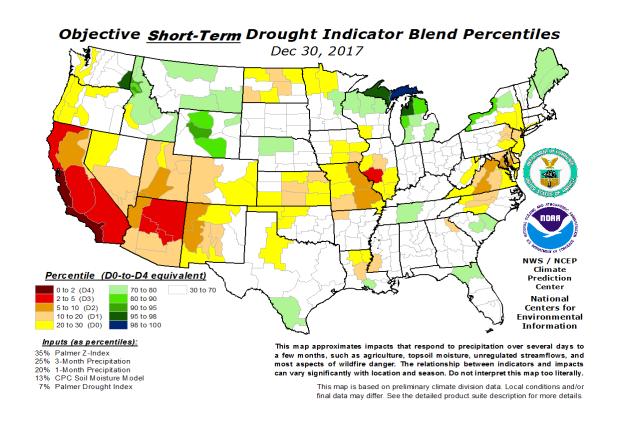
Department of Agricultural Economics













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)

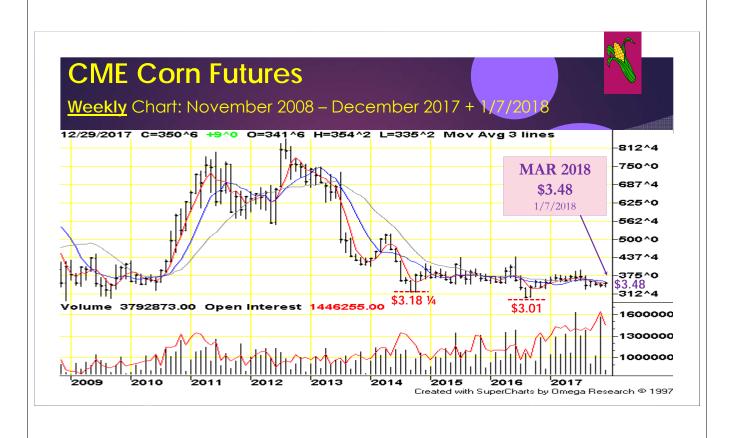
Karmas Sparre

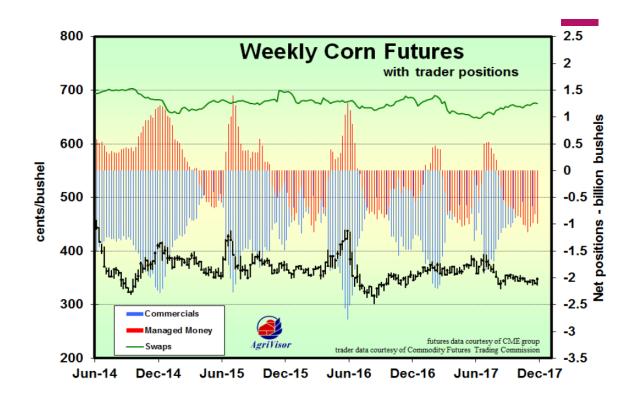
U.S. Corn Stocks & % Stocks/Use

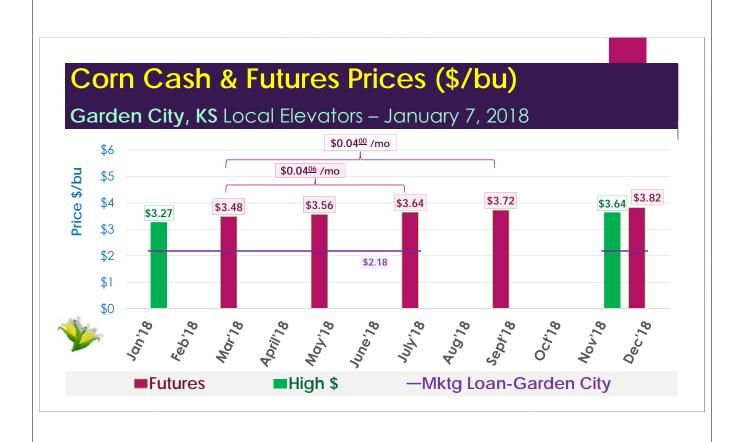
- Corn: "Large" Stocks & % Stx/Use
 - End Stocks $^{2017/18}$ \Rightarrow 2.437 bln bu (2nd highest since 1987/88)
 - o **% Stocks/Use** ^{2017/18} ⇒ 16.8% S/U (Highest since 2005/06)

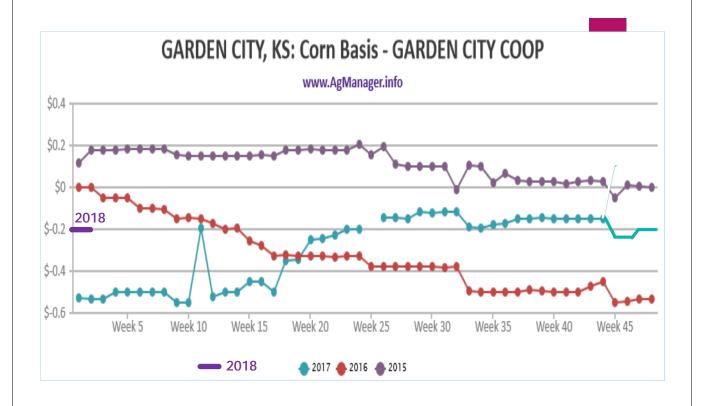
KANDAR STATE

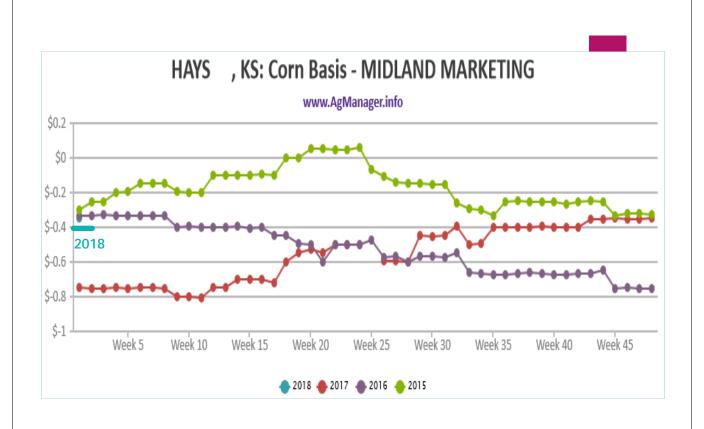




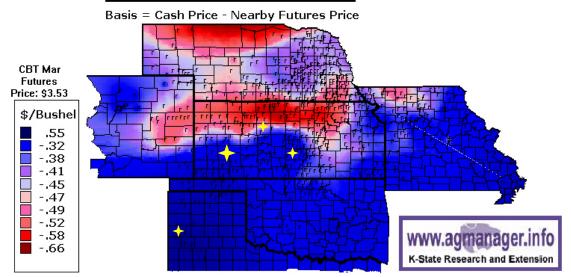




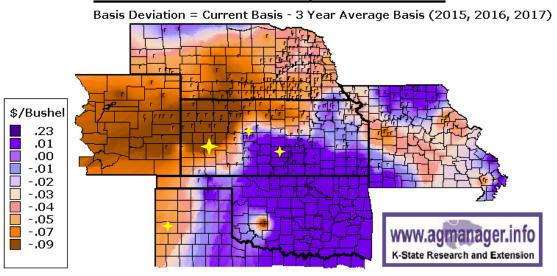




Corn Basis, 01-03-2018



Corn Basis Deviation, 01-03-2018



Kansas Corn Seasonal Cash \$ Index

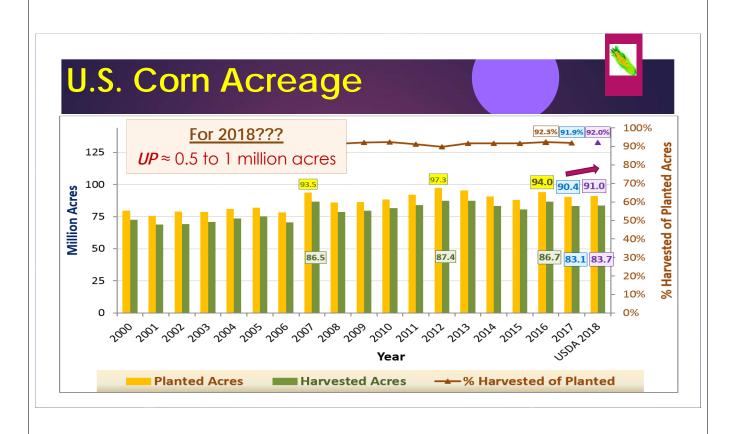
Monthly: Long Term Average & "New Crop" MY 2017/18 Forecast

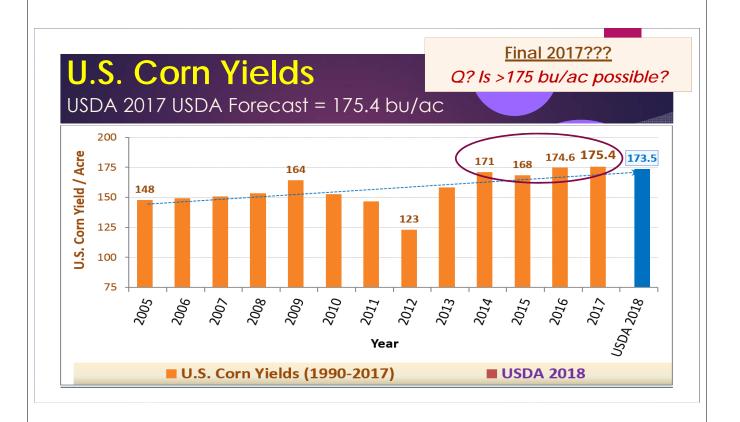


U.S. Corn Supply and Demand

			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
•		Millio	n bushels		•
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	A.B
Ethanol	5,439	5,525	50	86	
Domestic use	12,354	12,560	50	206	_ &
Exports	2,293	1,925		-368	
Total use	14,647	14,485	50	-162	
Ending stocks	2,295	2,437	-50	143	
_		A 0/ Ctacks/Use			
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



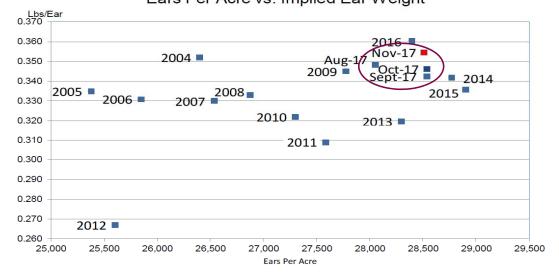








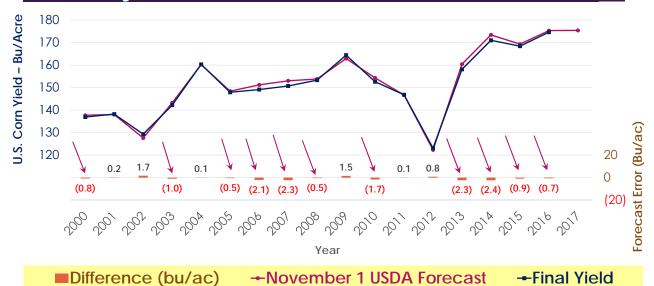
Corn Objective Yield Region Ears Per Acre vs. Implied Ear Weight

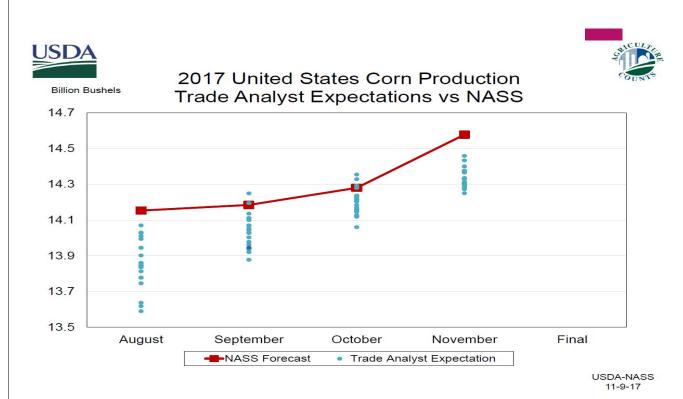


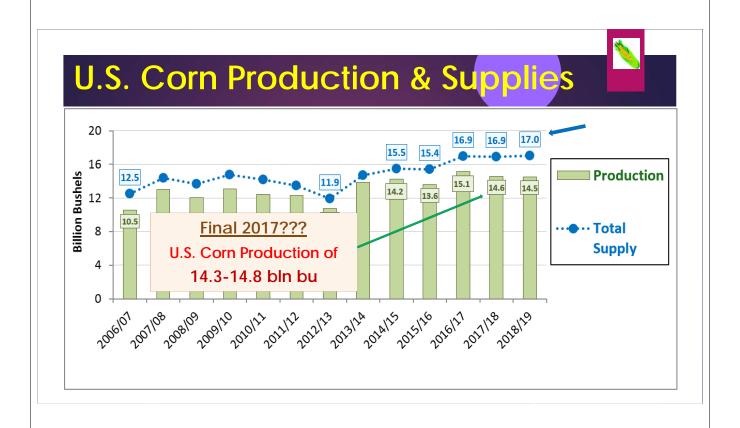
Implied Ear Weight = (Published Yield * 56) / Ears

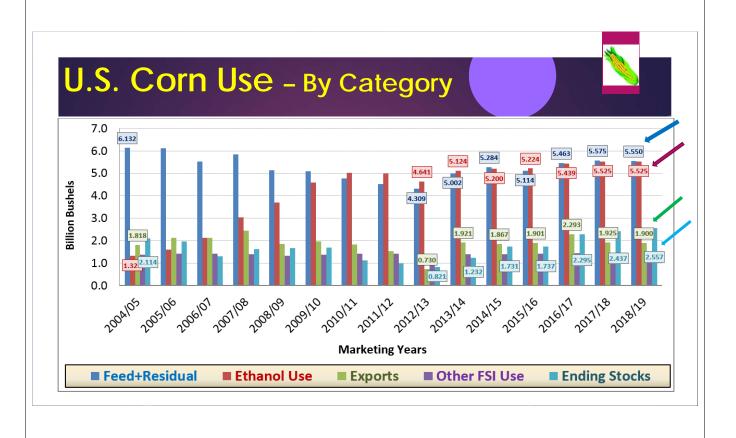
U.S. Corn Yields: 2000-2017

Accuracy of November 1st USDA Forecasts

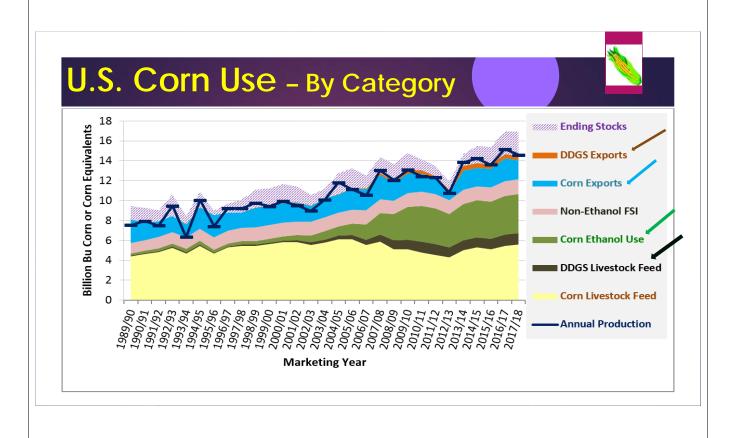






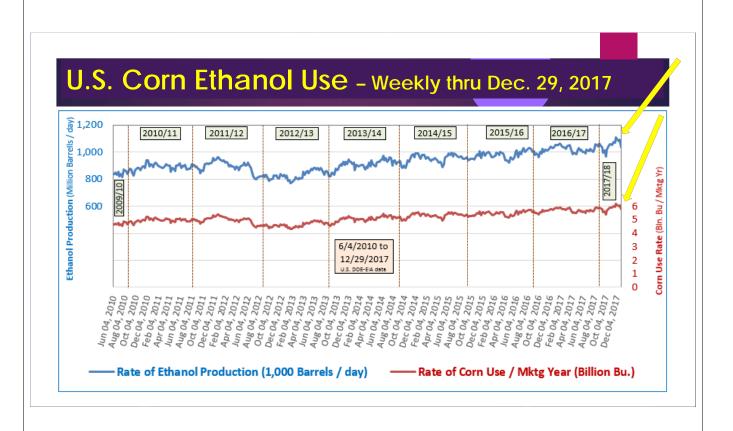


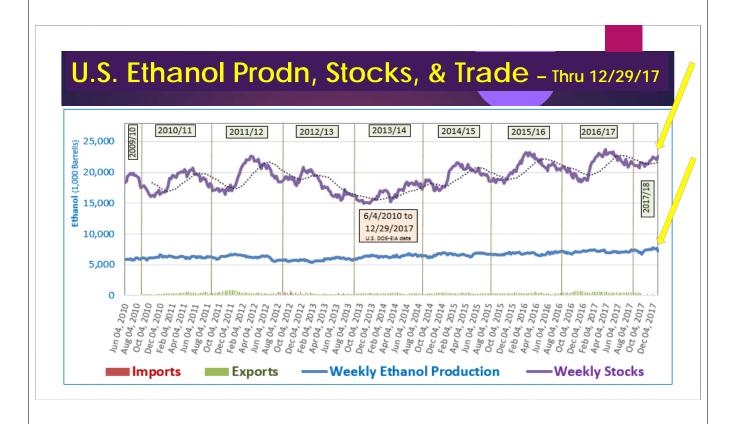




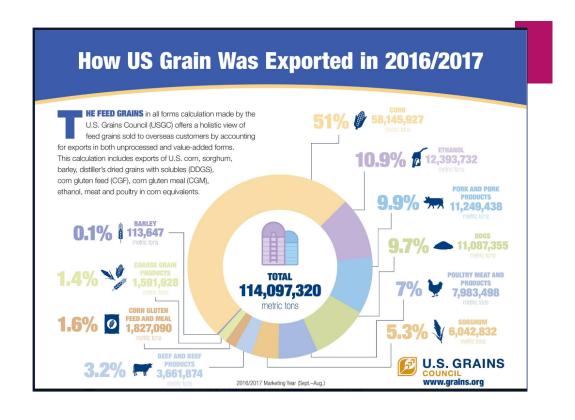
U.S. Meat Production and Prices

			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%
Broilers	41.54	42.28		0.73	+1.8%
Turkey	6.00	6.03		0.03	+0.5%
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	





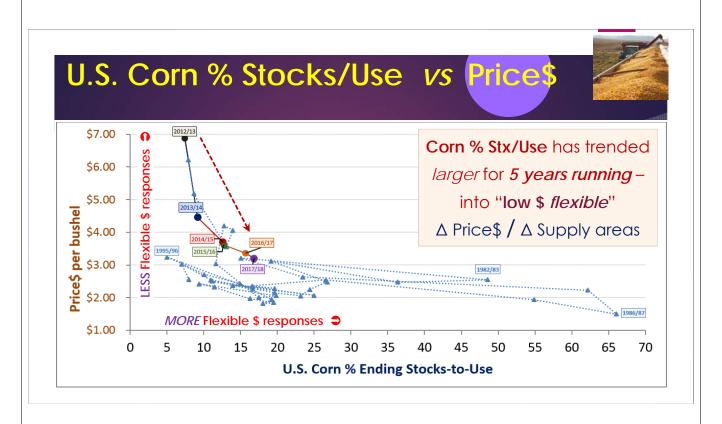


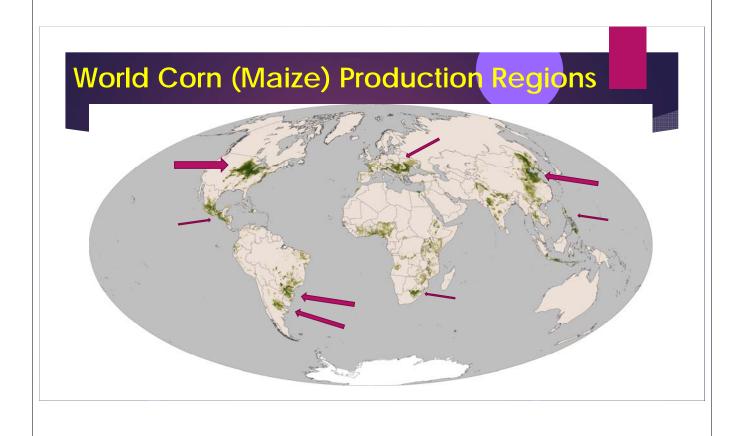


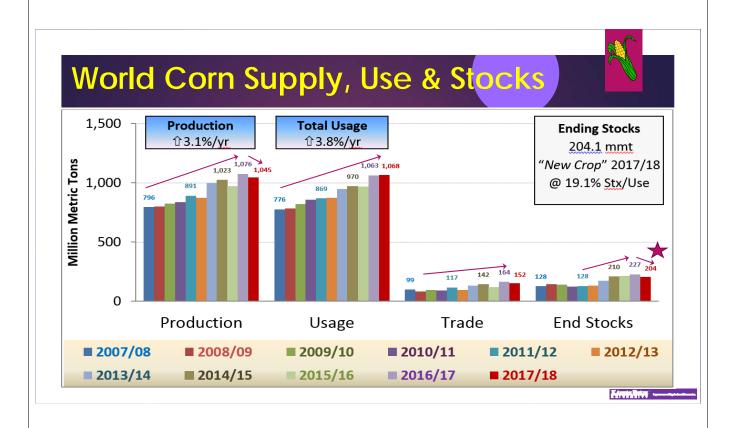




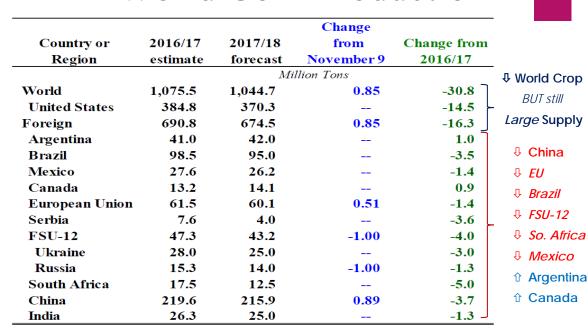


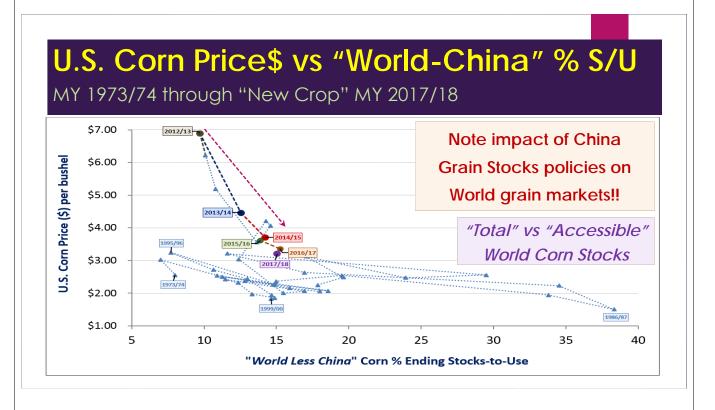






World Corn Production





Probability of Corn Futures 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%)
 - 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%)



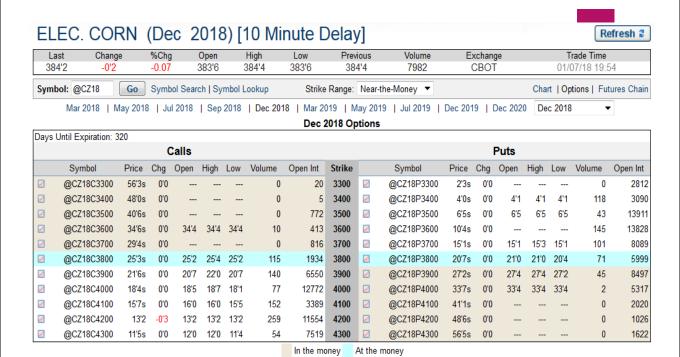


Refresh 2

Last	Change	%Chg	Open	High	Low	Previous	Volume	Exchange	Trade Time
367'	4 0'0	0	367'0	367'4	366'6 367'4		18710	CBOT	01/07/18 19:55
Symbo	I: @CN18 G	Symbol S	Search Syml	bol Lookup	Strike R	ange: Near-th	e-Money ▼		Chart Options Futures Chain
	Mar 2018 May 2	2018 Jul 20	118 Sep 20	018 Dec 201	8 Mar 201	9 May 2019	Jul 2019	Dec 2019 Dec 2020	Jul 2018 ▼

Jul 2018 Options

Days Until Expiration: 166																		
Calls								Puts										
	Symbol	Price	Chg	Open	High	Low	Volume	Open Int	Strike		Symbol	Price	Chg	Open	High	Low	Volume	Open Int
	@CN18C3200	48'0s	-0'1				0	116	3200	2	@CN18P3200	0'5s	0'0				94	2088
2	@CN18C3300	38'6	0'1	38'6	38'6	38'6	0	195	3300	2	@CN18P3300	1'3s	0'0	1'3	1'3	1'3	1012	3882
2	@CN18C3400	30'3s	-0'2				0	112	3400	2	@CN18P3400	3'0s	0'0	3'1	3'1	3'1	76	4446
2	@CN18C3500	23'4s	-0'2	23'4	23'4	23'4	20	530	3500	2	@CN18P3500	6'0s	-0'1	5'5	6'0	5'5	148	10350
	@CN18C3600	18'1s	-0'1	18'0	18'0	17'7	11	2522	3600	2	@CN18P3600	10'5s	0'1	10'6	10'7	10'0	490	8764
2	@CN18C3700	14'0s	-0'1	14'2	14'2	13'7	804	12490	3700	Z	@CN18P3700	16'4s	0'2	16'4	16'4	16'2	722	6520
<u>~</u>	@CN18C3800	10'7	0.0	10'7	10'7	10'7	180	13784	3800	2	@CN18P3800	23'2s	0'1	23'3	23'3	22'7	369	6978
4	@CN18C3900	8'3s	-0'1	8'5	8'6	8'1	361	6882	3900	2	@CN18P3900	30'6s	0'1	30'5	30'5	30'3	213	3004
<u>~</u>	@CN18C4000	6'4	0'0	6'4	6'4	6'4	513	12540	4000	Z	@CN18P4000	38'6s	0'1	37'2	38'6	36'6	440	2760
~	@CN18C4100	5'0s	0'0	5'3	5'3	4'7	57	6009	4100	Z	@CN18P4100	47'2s	0'2				2	1723
V	@CN18C4200	4'0s	0'1	3'7	3'7	3'7	1182	7131	4200	2	@CN18P4200	56'2s	0'3				0	853



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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 4 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)

