2018 Grain Sorghum Market Outlook

2018 Sorghum School

Dodge City, Kansas

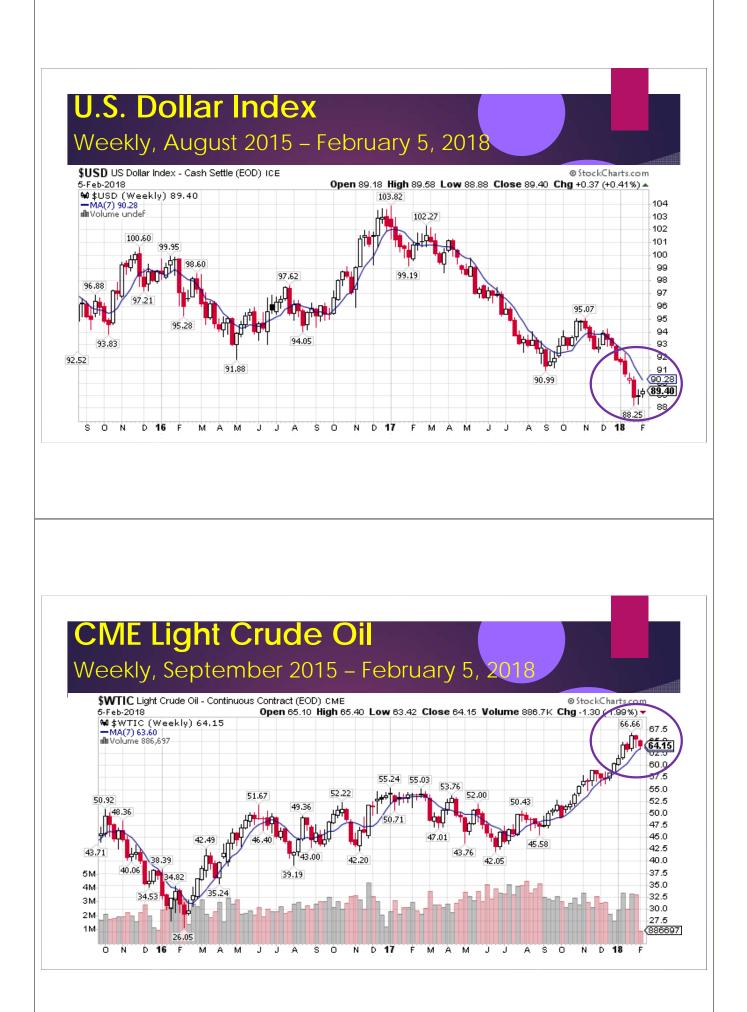
DANIEL O'BRIEN EXTENSION AGRICULTURAL ECONOMIST

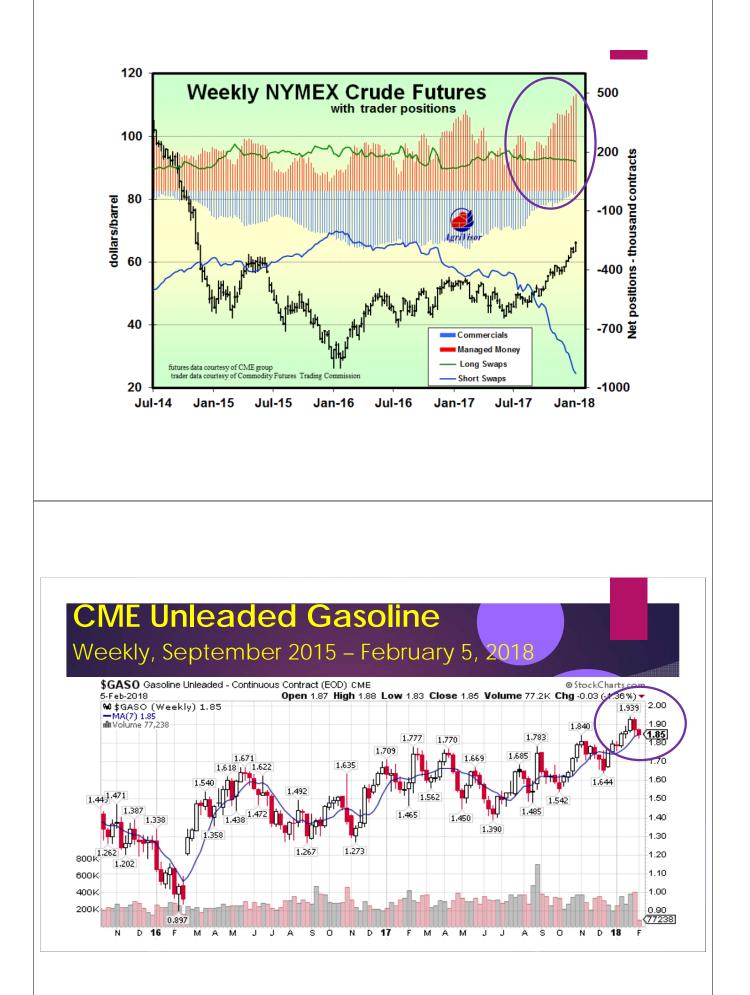
KANSAS STATE

Department of Agricultural Economics

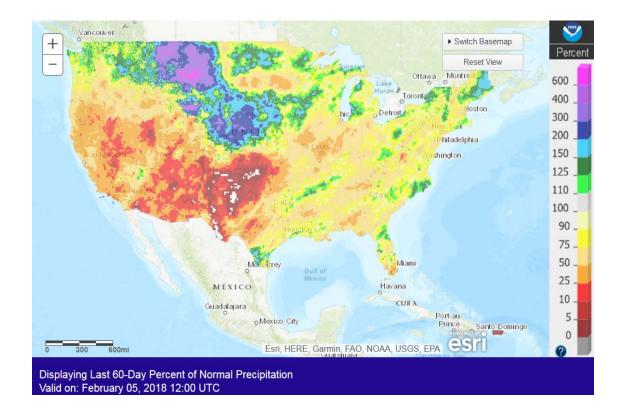


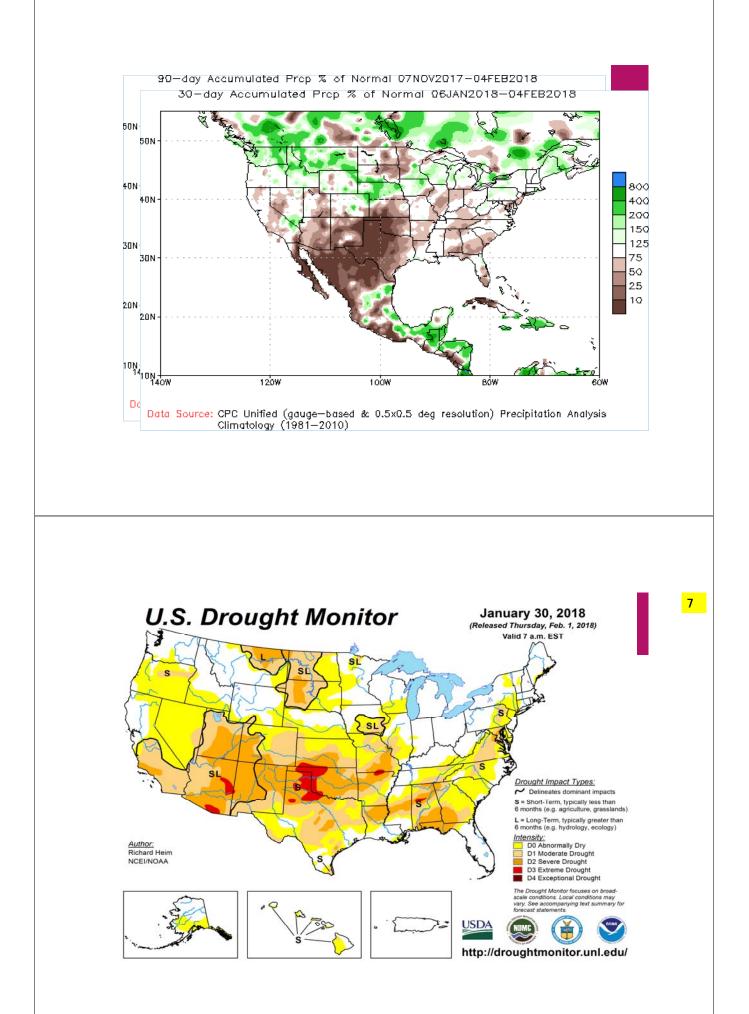


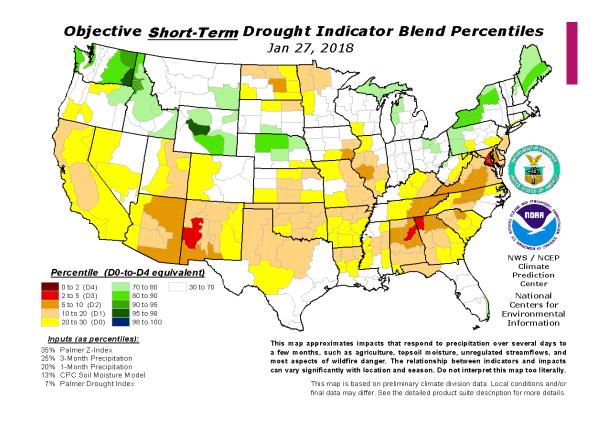






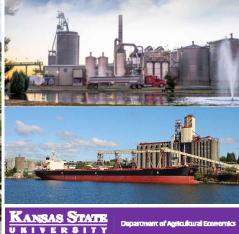












U.S. Corn & Sorghum Supply-Use

• Prospects **C** "LARGE" 14.6 billion bu 2017 U.S. Corn Crop

Large Supplies & Stocks are limiting Feedgrain Price\$'s

• Low Price\$'s are supporting Corn Use

• Livestock Feed ^{2017/*}	18 = 5.550 bln bu	(10 year high	– vs 5.858 bb in 2007/08)
• Ethanol 2017/18	= 5.525 bln bu	(Record high	– vs 5.439 bb last year)
o Other FSI 2017/18	= 1.470 bln bu	(Record high	– vs 1.452 bb in 2016/17)
• Exports ^{2017/18}	= 1.925 bln bu	(vs 2.293 bb in	'16/17 & 1.901 in '15/16)
			KANNAN SPATE

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

· Grain Sorghum: "Tighter" Stocks & % Stx/Use than Corn

 End Stocks ^{2017/18} 	⇒	24 Mln bu	(15 - 55 mb since 2008/09)

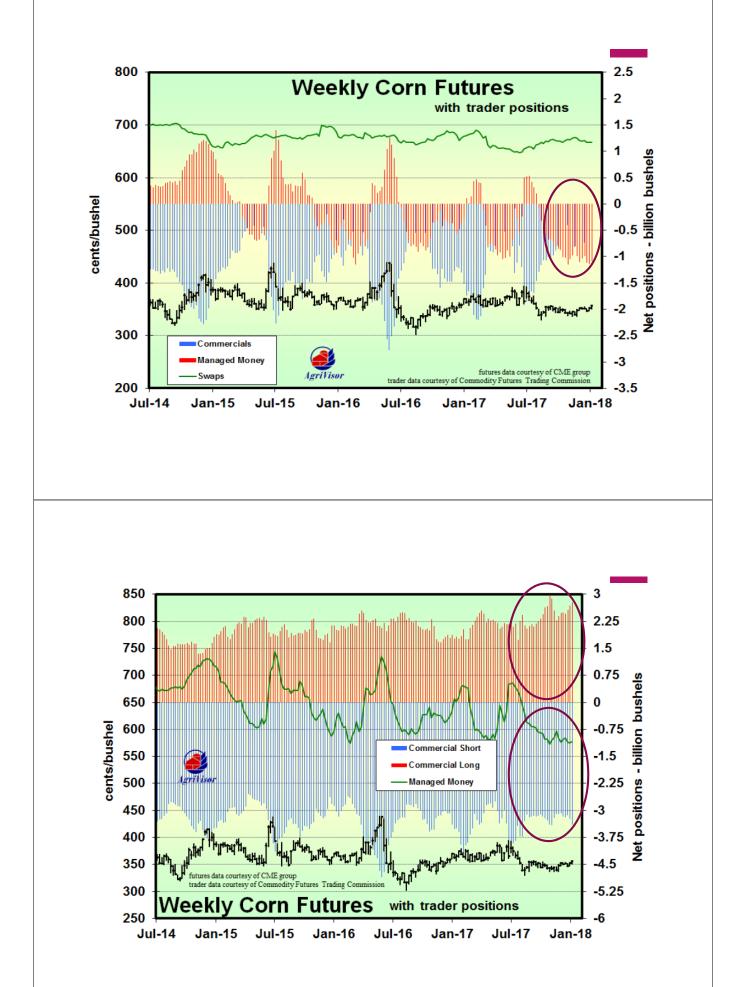
• % Stocks/Use ^{2017/18} ⇒ 6.8% S/U (*Historically "tight"*)

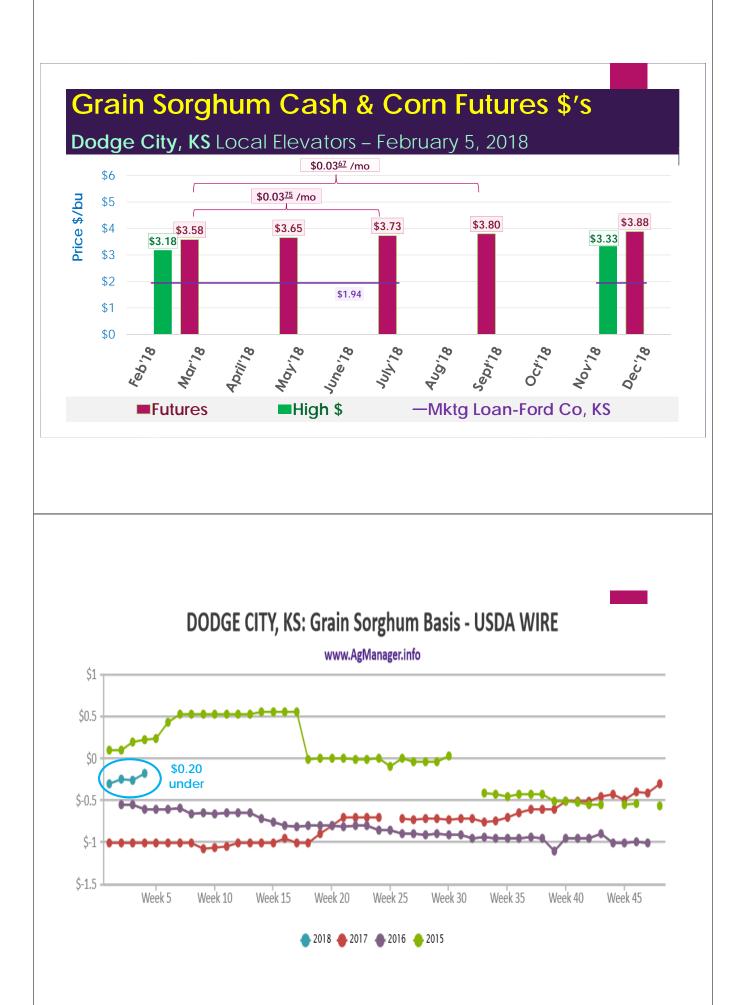
<u>Corn</u>: "Large" Stocks & % Stx/Use

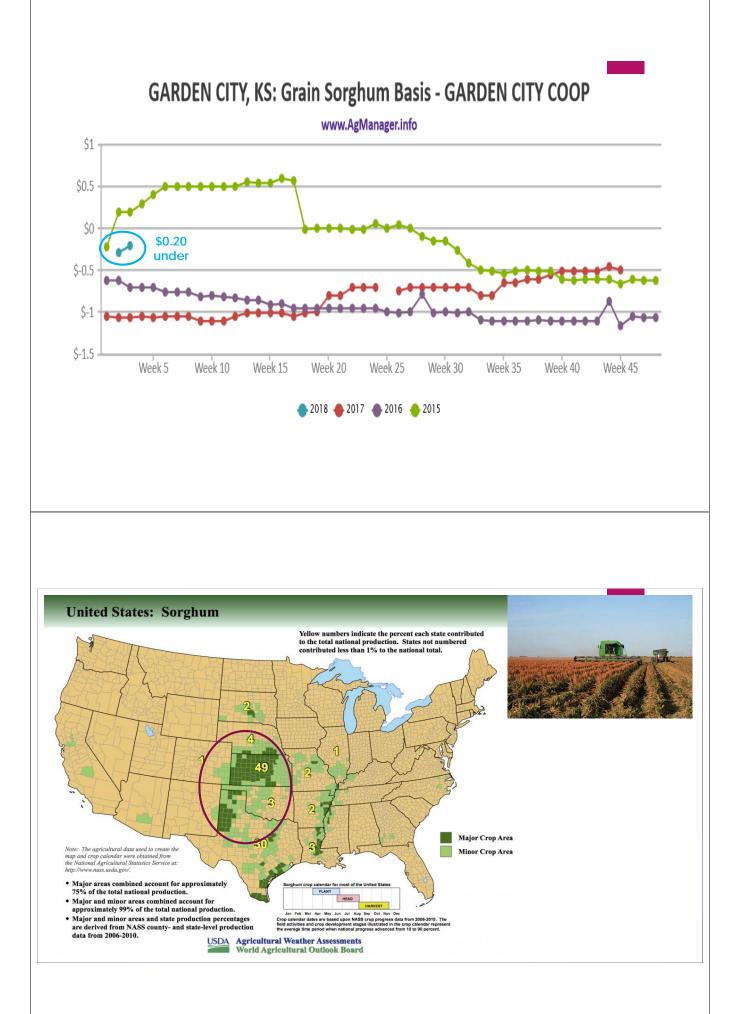
 End Stocks ^{2017/18} 	⇒	2.477 bln bu	(2 nd highest since 1987/88)
o % Stocks/Use 2017/18	⇒	17.1% S/U	(Highest since 2005/06)

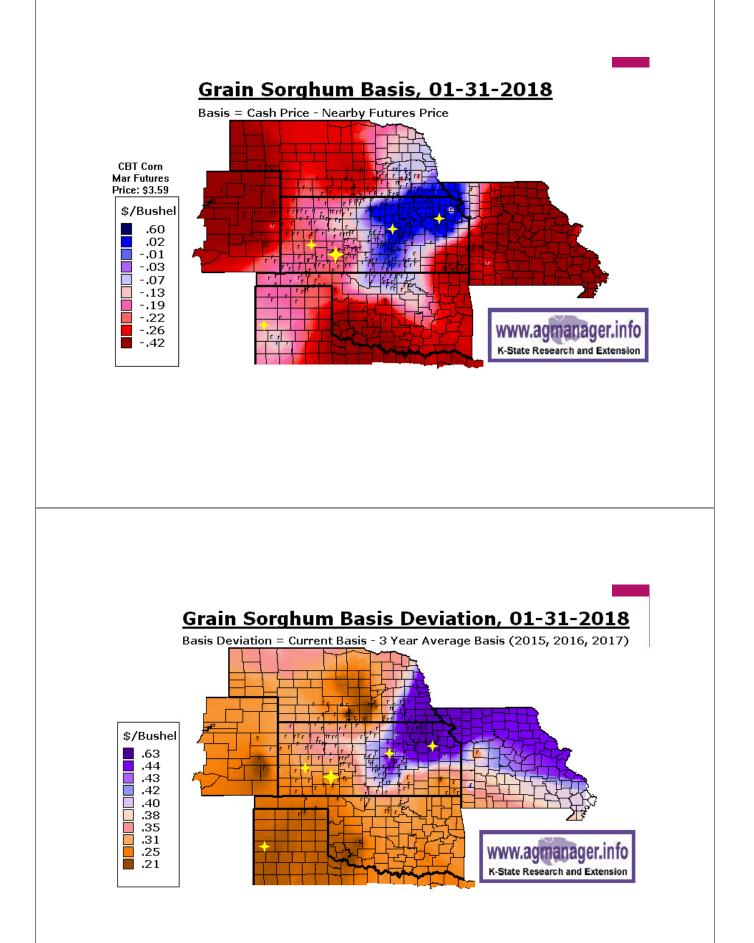
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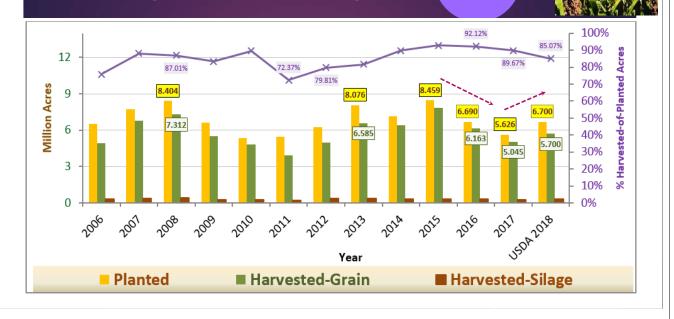
U.S. Grain Sorghum Supply-Demand

	2015/16	2016/17 Est.	2017/18 Proj.	2017/18 Proj.	
SORGHUM			Dec	Jan	
		Mil	lion Bushels		
Area Planted (mil. acres)	8.5	6.7	5.7	5.6	
Area Harvested (mil. acres)	7.9	6.2	5.0	5.0	Crop
Yield (bushels/acre)	76.0	77.9	70.4	72.1	_ ↓ Crop
Beginning Stocks	18	37	34	33	Supply
Production	597	480	356	364	
Imports	5	2	2	2 =	
Supply, Total	620	519	391	399	
Feed and Residual	107	130	60	65	Domestic Use
Food, Seed & Industrial	137	115	50	50	&
Total Domestic	244	245	110	115	む Exports
Exports	340	241	260	260	
Use, Total	583	485	370	375	
Ending Stocks	37	33	21	24	♣ Stocks
Avg. Farm Price (\$/bu) 2/	3.31	2.79	2.75 - 3.45	2.85 - 3.45	1 Prices

U.S. Corn Supply and Demand

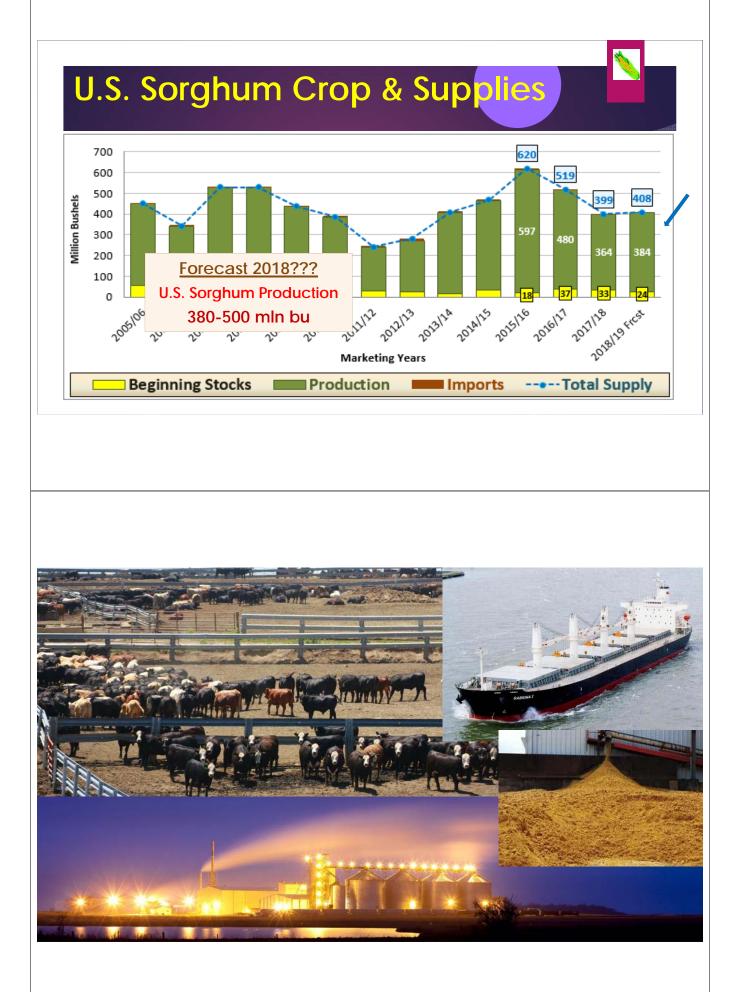
	Change				
	2016/17	2017/18	from	Change from	
	estimate	forecast	December 12	2016/17	_
Planted area (million acres)	94.0	90.2	-0.3	-3.8	
Harvested area (million acres)	86.7	82.7	-0.4	-4.0	
Yield (bushels per acre)	174.6	176.6	1.2	2.0	♣ Crop
		Millio	on bushels	l	
Beginning stocks	1,737	2,293	-2	556	BUT still
Production	15,148	14,604	27	-544	Large Supply
Imports	57	50		-7	Large Supply
Total supply	16,942	16,947	25	5 _	
Feed and residual	5,467	5,550	-25	83	
Food, seed, and industrial	6,889	6,995	10	106	✤ Domestic Use
Ethanol	5,439	5,525		86	
Domestic use	12,356	12,545	-15	189	_ &
Exports	2,293	1,925		-368	Exports
Total use	14,649	14,470	-15	-179	
Ending stocks	2,293	2,477	40	184	
C		P	ercent		
Stocks to use ratio	15.7	17.1	0.3	1.5	企% Stocks/Use
		Dollars	s per bushel	}	- &
Average market price	3.36	2.95/3.55	0.05	-0.11	♣ Prices

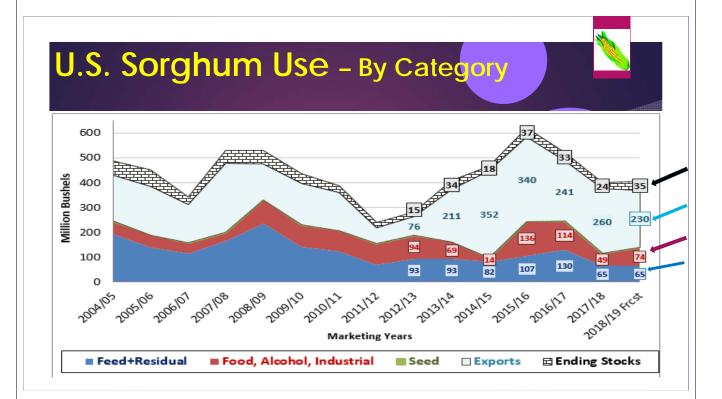
U.S. Sorghum Acreage



U.S. Sorghum Yields







U.S. Meat Production and Prices

	2017 forecast	2018 forecast	Change from 2017	
Production		Billion pounds		
Beef	26.17	27.76	1.59	+6.1%
Pork	25.59	26.96	1.38	+5.3%
Broilers	41.59	42.45	0.86	+2.1%
Turkey	5.99	6.00	0.01	+0.2%
Total meat	100.09	103.94	3.85	+3.8%
Prices		Dollars/cwt		
Steers	121.52	118.25	-3.27	
Hogs	50.48	47.75	-2.73	Prices
		Cents/lb		decline
Broilers	93.5	90.5	-3.0	decline
Turkey	96.1	91.0	-5.1	



How US Grain Was Exported in 2016/2017

51% / 58,145,927 HE FEED GRAINS in all forms calculation made by the U.S. Grains Council (USGC) offers a holistic view of feed grains sold to overseas customers by accounting for exports in both unprocessed and value-added forms. 10.9% 12,393,732 This calculation includes exports of U.S. corn, sorghum, barley, distiller's dried grains with solubles (DDGS), corn gluten feed (CGF), corn gluten meal (CGM), PORK AND PORK ethanol, meat and poultry in corn equivalents. 9.9% 🗯 PRODUCTS 11,249,438 BARLEY 0.1% 113,647 9.7% - 11,087,355 TOTAL 114,097,320 metric tons 1.4% POULTRY MEAT AND 7% PRODUCTS 7,983,498 CORN GLUTEN 1.6% FEED AND MEAL 1,827,090 5.3% 6,042,832 BEEF AND BEEF 3.2% T 3,661,874 2016/2017 Marketing Year (Sept.-Aug.)

39

U.S. Sorghum Exports – Weekly thru January 25, 2018





ollar amount*		M	etric tons		
CHINA	\$1.47 BILLION	1	CHINA		7,005,660
MEXICO	\$117.3 MILLION	2	MEXICO	606,127	
PAKISTAN	\$41.7 MILLION	3	PAKISTAN	204,394	
SUDAN	\$34.9 MILLION	4	SUDAN	193,040	
SOUTH AFRICA	\$17.5 MILLION	(5)	SOUTH AFRICA	99,266	
Kenya	\$15.8 million		Kenya	86,337	
Djibouti	\$14.6 million		Djibouti	80,528	
Japan	\$12.4 million		Japan	67,788	
Somalia	\$11.2 million		Colombia	63,528	_
Colombia	\$11.1 million		Somalia	58,107	🔂 U.S. GRAIN

www.grains.org

Source: USDA Foreign Agriculture Service's Global Agriculture Trading System report for marketing year Sept. 1, 2015 to Aug. 31, 2016.

*Sorghum is sold based on contract and at varying rates, therefore, top rankings for tonnage do not align with rankings for value.

