2020 Grain Market Outlook

Salina, Kansas

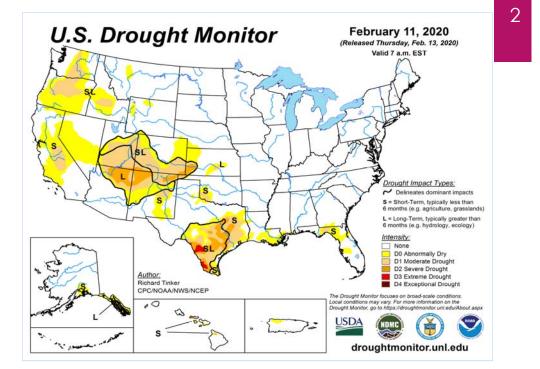
February 17, 2020

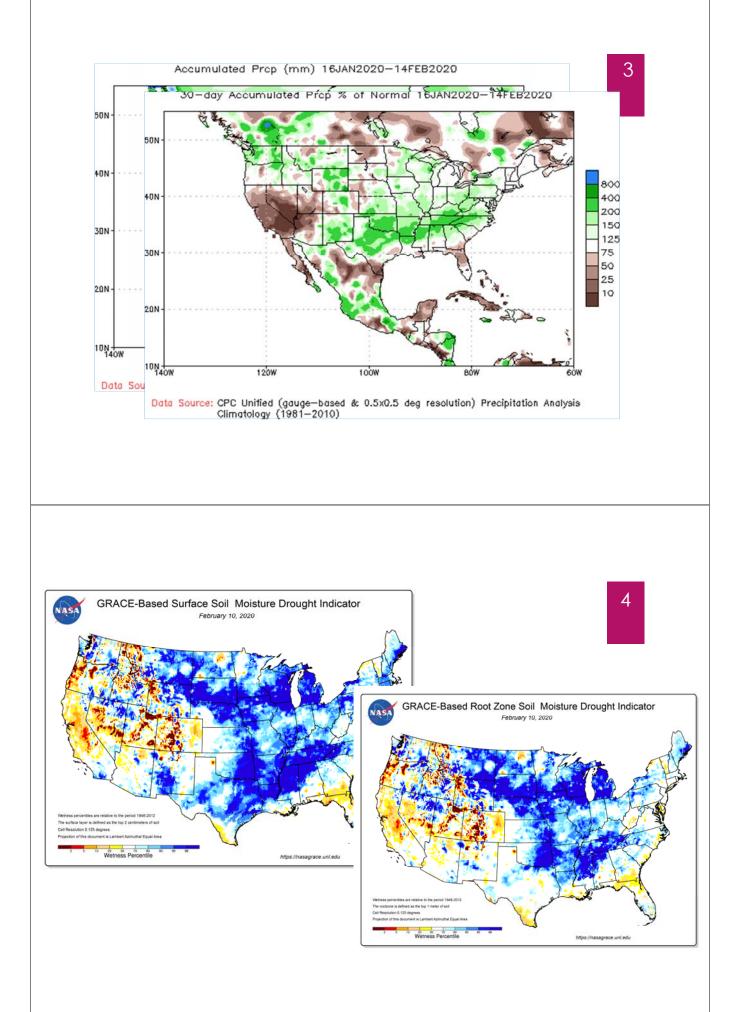
DANIEL O'BRIEN

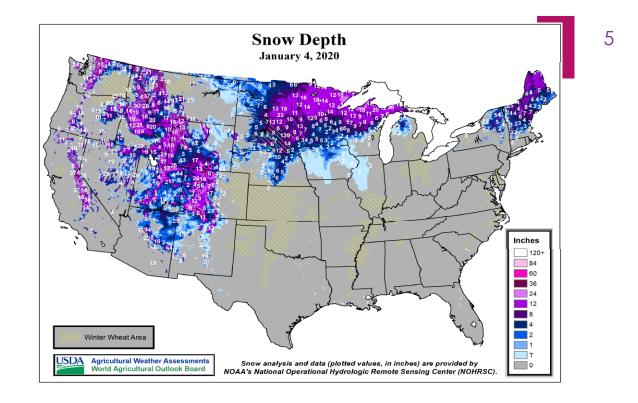
EXTENSION AGRICULTURAL ECONOMIST

KANSAS STATE

Department of Agricultural Economics







6

2019 December APS Reinterview States

State	Crop(s)
Michigan	Corn, Soybeans
Minnesota	Corn
North Dakota	Corn, Soybeans
South Dakota	Corn
Wisconsin	Corn, Soybeans

INTERNATIONAL CROP AND WEATHER HIGHLIGHTS USDA/WAOB Joint Agricultural Weather Facility

February 11, 2020

AUSTRALIA - Highlight: Welcome Rain

 The drought-plagued east received another much-needed soaking, but the rain came too late to significantly improve the yield prospects of dryland <u>cotton</u> and <u>sorghum</u>.

SOUTH AMERICA - Highlight: Conditions Overall Favorable For Summer Crops

- Pockets of warmth and dryness hastened <u>soybean</u> maturation in southern Brazil, but widespread rain elsewhere benefited emerging <u>corn</u> and <u>cotton</u>.
- In Argentina, showers covered most major <u>summer grain</u>, <u>oilseed</u>, and <u>cotton</u> areas, though some heat stress was reported on late-planted <u>corn</u>.

EUROPE - Highlight: Widespread Rain Continued, Still Very Warm

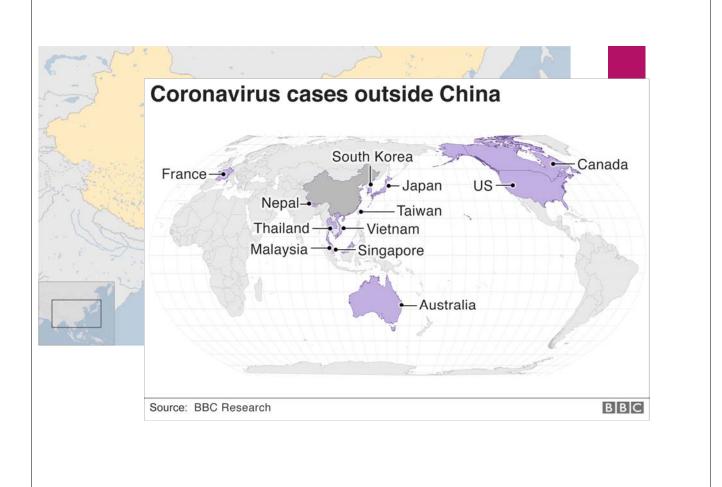
- Widespread rain eased lingering dryness concerns in Germany and the southern Balkans and maintained adequate reserves for dormant <u>winter wheat</u> and <u>rapeseed</u> elsewhere in northern Europe.
- Rain bypassed Spain and Italy, reducing moisture supplies for vegetative winter grains.
- Above-normal temperatures kept northern and eastern Europe unusually snow free.



Coronavirus: Death toll climbs to 106 as China tightens measures

The number of total confirmed cases in China rose to 4,515 as of 27 January, up from 2,835 a day earlier. The country has meanwhile further tightened travel restrictions to try and curb the spread of the virus. The city of Wuhan, thought to be the epicentre of it, is already in effective lockdown as is much of surrounding Hubei province.

The coronavirus causes severe acute respiratory infection and there is no specific cure or vaccine. Most of the deaths have been of elderly people or those with pre-existing respiratory problems.



Unpredictable Grain Markets in Year 2020 11

□ The "Ups & Downs" of U.S. Trade Tensions

- U.S.-Japan Trade Agreement (+)
 - o Likely positive impact on U.S. grain exports vs TPP Countries
- USMCA Trade Agreement ^{U.S.-Mexico-Canada} ⇒ To be ratified (+)
 - Mexico grain purchases from the U.S.
 - o Canada grain export competition vs U.S. (Wheat, Oilseeds)
- U.S. vs China (?)
 - o Soybeans, Sorghum, Beef (Working at resolution in "Phases")





ECONOMIC AND TRADE AGREEMENT BETWEEN THE UNITED STATES OF AMERICA AND THE PEOPLE'S REPUBLIC OF CHINA FACT SHEET

AGRICULTURE AND SEAFOOD RELATED PROVISIONS

Key outcomes of the Phase One agreement are:

• **Purchases:** China will purchase and import on average at least \$40 billion of U.S. food, agricultural, and seafood products annually for a total of at least \$80 billion over the next two years. Products will cover the full range of U.S. food, agricultural, and seafood products. On top of that, China will strive to import an additional \$5 billion per year over the next two years.

- Feed Products, including Distillers' Dried Grains with Solubles (DDGS): China has agreed to immediately update its list of traditionally-traded feed additive products with 23 U.S. products and to streamline the registration process for feed additives, premixes, and compound feed. With regard to DDGS, China has also agreed to speed up license renewals for DDGS manufacturers.
- Geographical Indications (GI): China has agreed to not undermine market access for U.S. exports to China using trademarks and generic terms through any GI measures taken in connection with an international agreement, to use certain relevant factors when making determinations for genericness, and to not provide GI protection to individual components of multi-component terms if the individual component is generic.

- Tariff Rate Quota Administration: China has agreed to comply with its WTO obligations and to make specific improvements to its administration of wheat, corn, and rice tariff-rate quotas (TRQs), including the allocation methodology, treatment of non-state trading quota applicants, and increased transparency. Separate from this Agreement, as part of a WTO dispute brought and won by the United States, China agreed to comply with its WTO obligations for the administration of TRQs for wheat, corn, and rice by December 31, 2019.
- Sanitary and Phytosanitary Measures: The Parties agreed to not implement food safety regulations or require actions of the other Party's regulatory authorities that are not science- and risk-based and shall only apply such regulations and require such actions to the extent necessary to protect human life or health. In addition, recognizing the importance of ensuring that sanitary and phytosanitary (SPS) measures are science-based, non-discriminatory, and account for regional differences, the Parties have agreed that China will improve SPS measures affecting a wide variety of products, which will facilitate exports of U.S. food and agricultural products to China.

FACTBOX-What's in the U.S.-China Phase 1 trade deal

14

15-Jan-2020 12:10:01 PM

Jan 15 (Reuters) - U.S. President Donald Trump and Chinese Vice Premier Liu He signed a deal on Wednesday in the White House that cut some U.S. tariffs on Chinese goods in exchange for Chinese pledges to purchase more of American farm, energy and manufactured goods and address some U.S. complaints about intellectual property practices.

Following are details of the deal released by the United States Trade Representative. Beijing has not yet released a version of the deal in Chinese, after an extended translation process that continued until Tuesday night.

China "shall ensure" additional purchases of U.S. agriculture products by \$32 billion over two years, the deal says, including \$12.5 billion above the corresponding 2017 baseline of \$24 billion in 2020 and \$19.5 billion above the baseline in 2021.

That would give an average annual total of about \$40 billion, a number Trump has touted before.

TARIFFS

The United States will cut by half the tariff rate it imposed on Sept 1. on a \$120 billion list of Chinese goods, to 7.5%.

U.S. tariffs of 25% on \$250 billion worth of Chinese goods put in place earlier will remain immediately unchanged. These could be rolled back as part of a Phase 2 trade negotiation, U.S. Treasury Secretary Steven Mnuchin said on Wednesday.

Tariffs that were scheduled to go into effect on Dec. 15 on nearly \$160 billion worth of Chinese goods, including cellphones, laptop computers, toys and clothing, are suspended indefinitely. China's retaliatory Dec. 15 tariffs, including a 25% tariff on U.S.-made autos, have also be suspended.

Market "Realities" to be determined

□ "Final" 2019 U.S. Corn & Soybean Crops ("Sometime" in 2020)

Corn²⁰¹⁹ < 13.692 bln bu? ⇒ End Stocks < 1.892 bb?

15

16

o **Soybeans²⁰¹⁹** < 3.558 bln bu? **⊃** End Stocks < 475 mb?

Market "Realities" to be determined

- **U.S. HRW Wheat Seedings** (Jan ²⁰²⁰)
 - o Struggling profitability for 2013-2019 HRW Wheat
 - o USDA: 21.8 mln acres Year²⁰²⁰ ⊕3% vs 2019
 - o **Dry soils** may ⊕ 2020 HRW crop prospects (BUT is still early)

More Grain Market Events to Anticipate 17

□ <u>2020 Production of Export Competitors</u>

- 2020 Soybeans ^{So-Am} \rightarrow Up 3.3% & Up 10.2% vs last 2 years
- 2020 Corn ^{So-Am + Ukraine} → Up 29% vs 2015-2017 Average
- ARG-Brazil-Ukraine ⊃ Ag Export "Open Door" w. U.S.-China Trade Issue

□ <u>U.S. Dollar Strength</u> ⇒ Limiting U.S. grain exports

- USD\$ Index Trade Wghtd \rightarrow DEC ²⁰¹⁹ up 7.3% since low in FEB ²⁰¹⁸
- Brazil Reals ÷ USD\$ ≈ 4.12 in OCT-DEC²⁰¹⁹ (vs low of 1.56 in JUNE²⁰¹¹)

More Grain Market Events to Anticipate 18

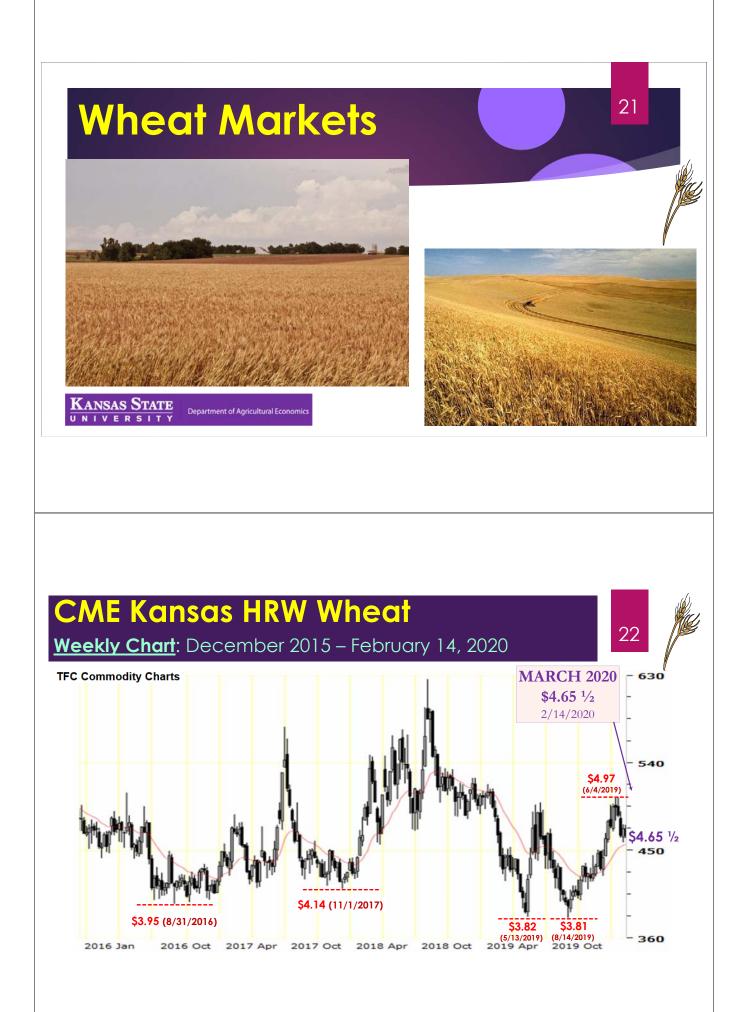
U.S. Spring Plantings (April-May ²⁰²⁰)

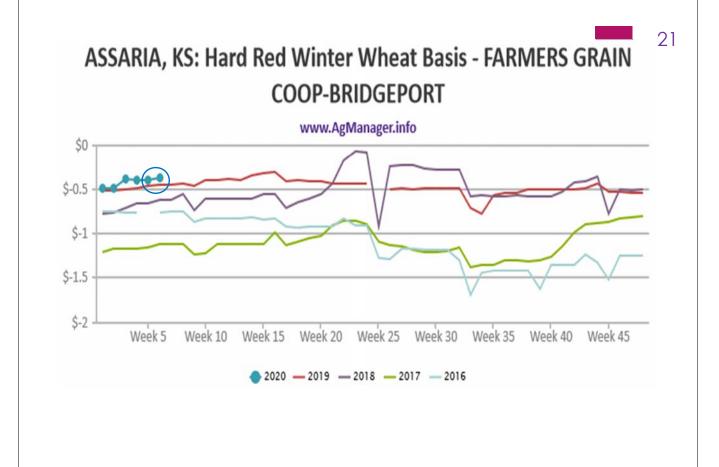
- Corn ²⁰²⁰ $Up 4-5 m \ln ac^{3} \rightarrow 1^{\circ}$ from 89.7 to 94-95 mln ac?
- Soybeans ²⁰²⁰ (Up 8 mln ac?) \rightarrow î from 76.1 to 84 mln ac?

<u> "Bearish" Positions of Grain Futures' Traders</u>.....

BUT- "Strong" local Basis in Cash Markets & Demand Centers

- Corn → *Strong* basis @ US. Ethanol Plants
- Soybeans → *Moderate-to-weak basis* in many areas but improving
- HRW Wheat \rightarrow Strong basis @ Elevators in the Central / Southern Plains





HRW Wheat Cash Bids – Near Assaria, KS

Friday, January 14, 2020 (Source: DTN Grains) Mar

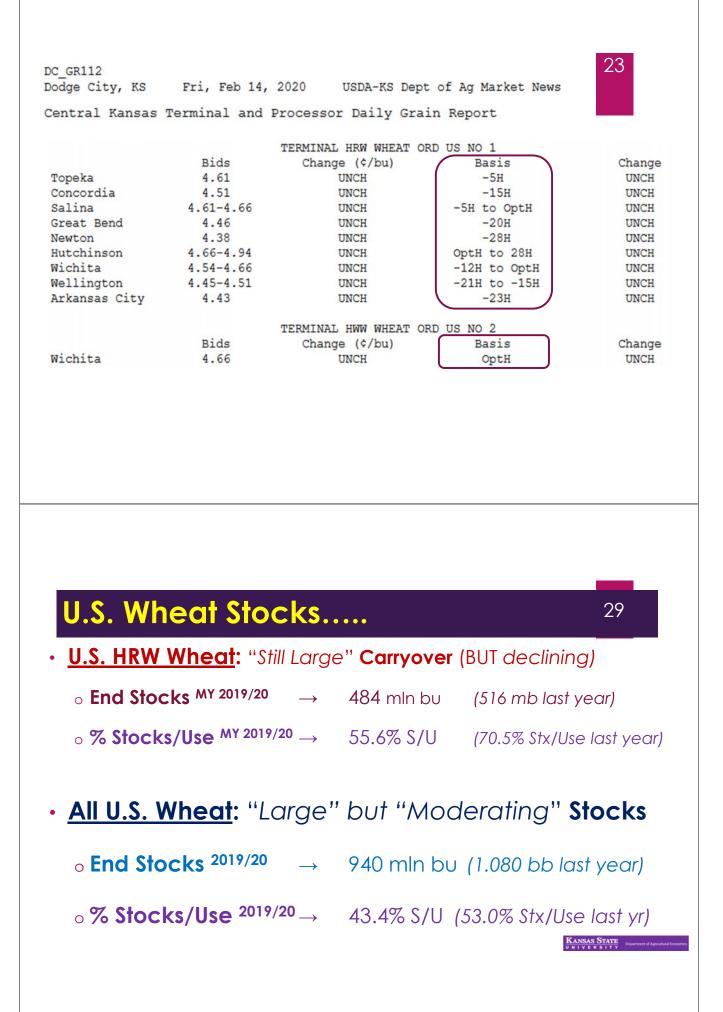
2020 KSU Cost of Production **Budget Estimates**

22

Non-Irrigated Wheat North Central KS @ 50 bu/ac Yield

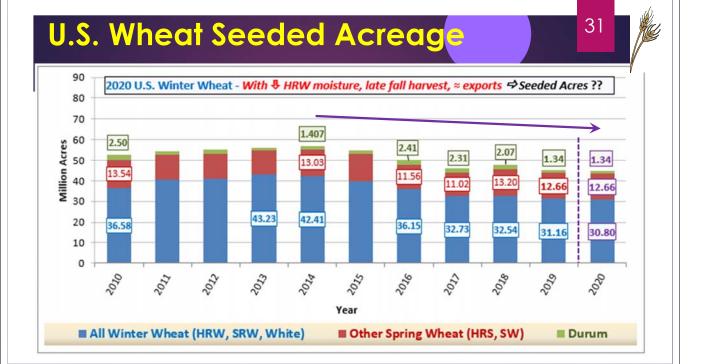
- Direct Cost (w/o Cash Rent) = \$4.22 /bu
- = \$5.44 /bu - All Cost (With Cash Rent)

Elevator/Location	2020	2020	2020
MID KANSAS COOP- BRIDGEPORT ASSARIA, KS	4.29		4.30
AGRI TRAILS COOP GYPSUM, KS	4.45		
MID KANSAS COOP LINDSBORG, KS	4.29		4.35
MID KANSAS COOP FALUN, KS	4.28		4.26
SCOULAR GRAIN CO SALINA, KS	4.61		
CARGILL SALINA, KS	4.65	4.65	
AGRI TRAILS COOP CARLTON, KS	4.45		
MID KANSAS COOP MCPHERSON, KS	4.33		4.40
COOPERATIVE GRAIN & SUPPLY CANTON, KS	4.36		4.39

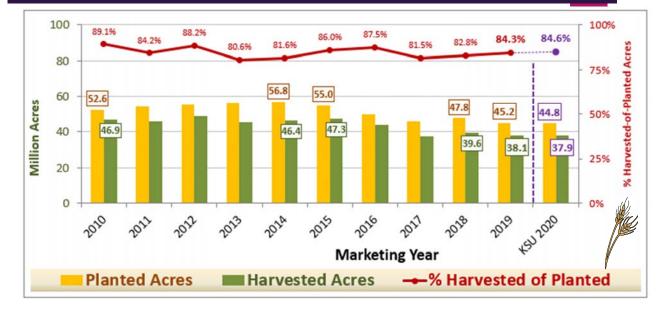


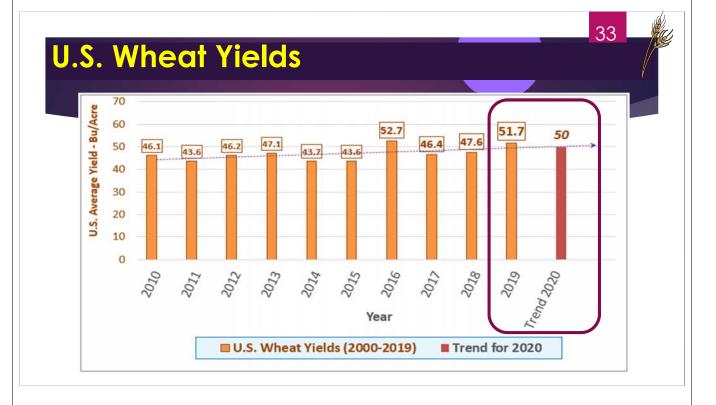
U.S. Wheat Supply and Demand

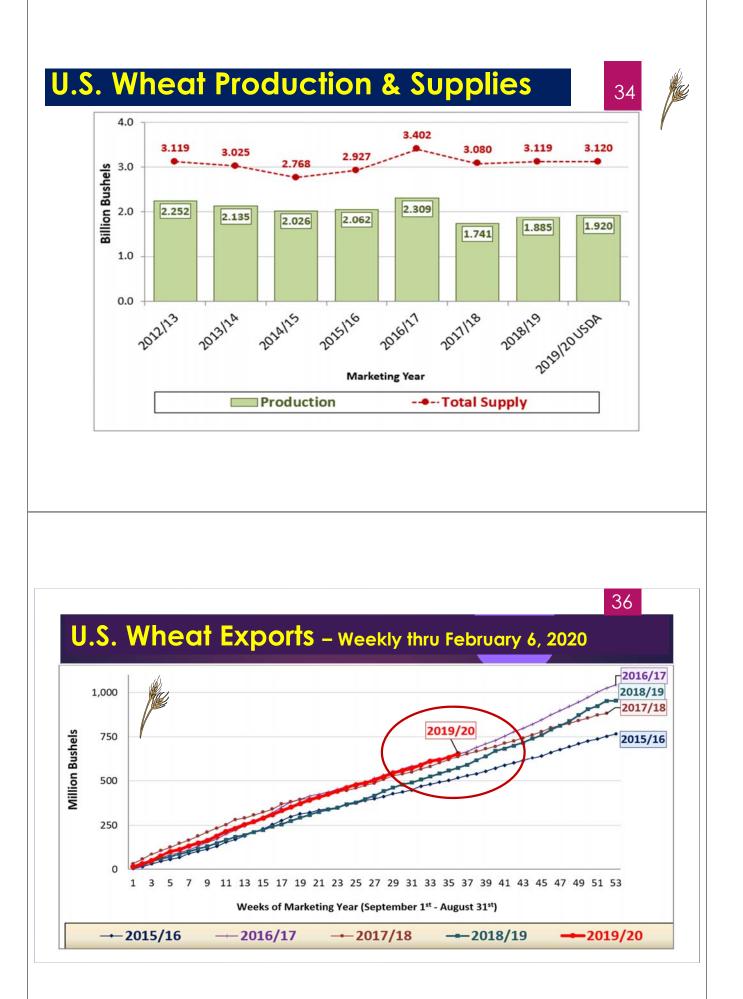
Item	2018/2019 estimate	2019/2020 forecast	Change from January 10	Change from 2018/2019
Planted area (million acres)	47.8	45.2		-2.7
Harvested area (million acres)	39.6	37.2		-2.5
Yield (bushels per acre)	47.6	51.7		4.1
	-	Million	bushels	
Beginning stocks	1,099	1,080		-19
Production	1,885	1,920		35
Imports	135	105		-30
Total supply	3,119	3,105		-14
Food use	955	955		**
Seed	59	60		1
Feed and residual	90	150		60
Domestic use	1,103	1,165		62
Exports	936	1,000	25	64
Total use	2,039	2,165	25	126
Ending stocks	1,080	940	-25	-140
	-	Pe	rcent	-
Stocks to use ratio	52.9	43.4	-1.7	-9.5
NUMBER OF STREET			per bushel	
Average market price	5.16	4.55		-0.61



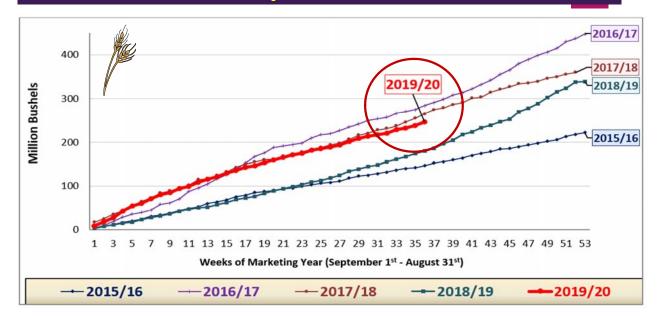


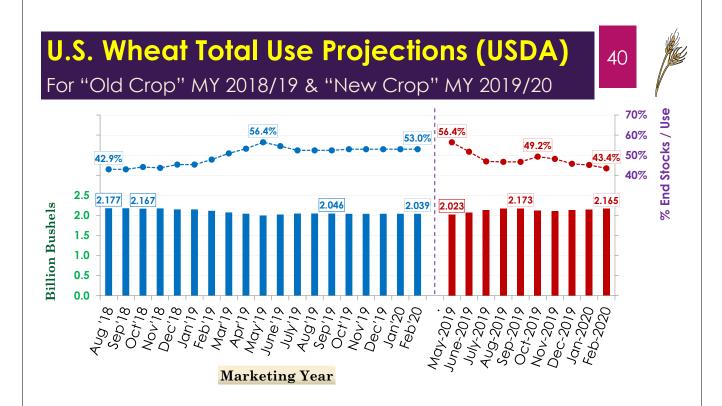


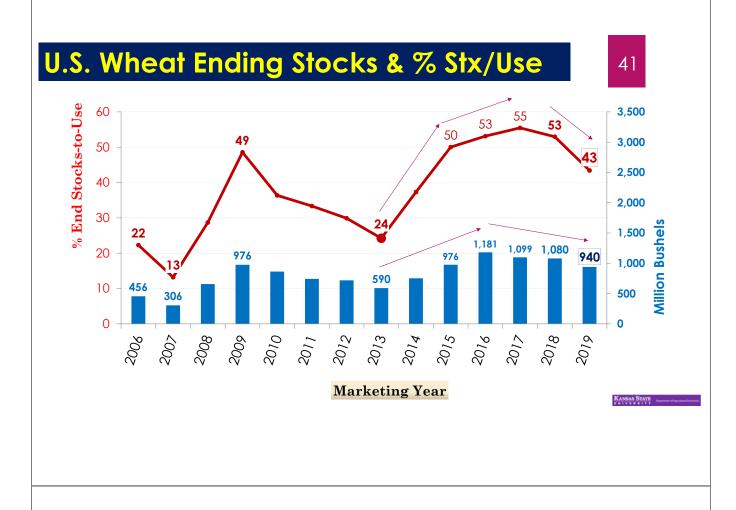




U.S. HRW Wheat Exports - Weekly thru February 6, 2020

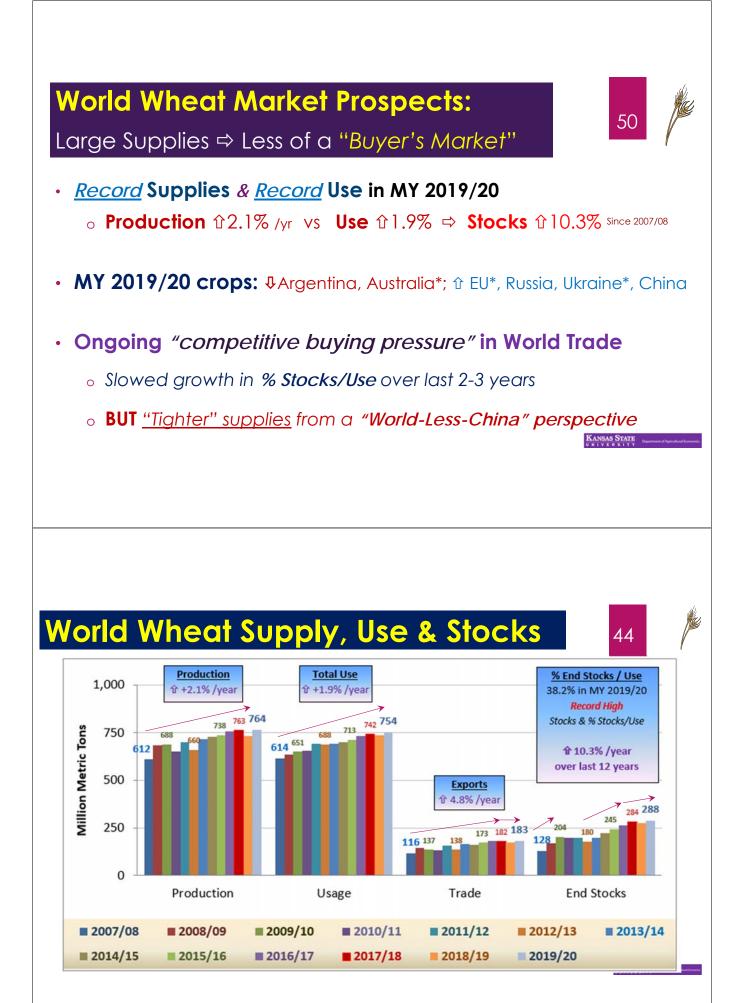






U.S. Wheat Ending Stocks/Use & Prices



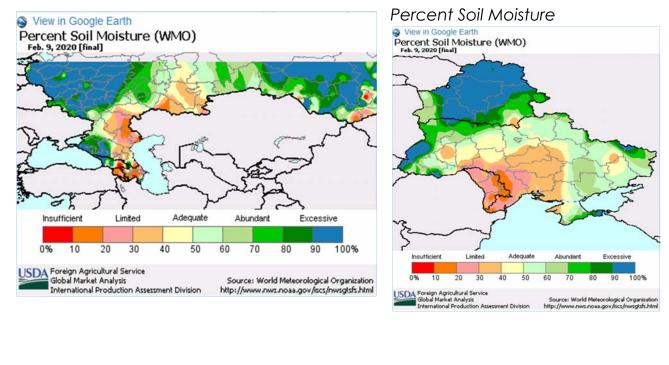


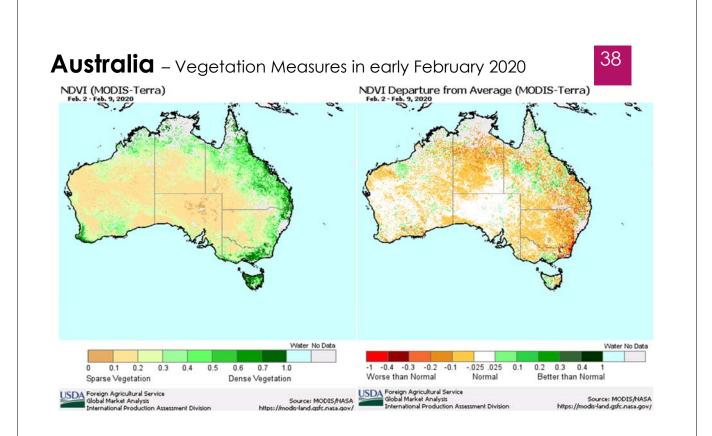
Russia, Azerbaijan, Armenia & Georgia



Ukraine, Moldova, & Belarus

Percent Soil Moisture

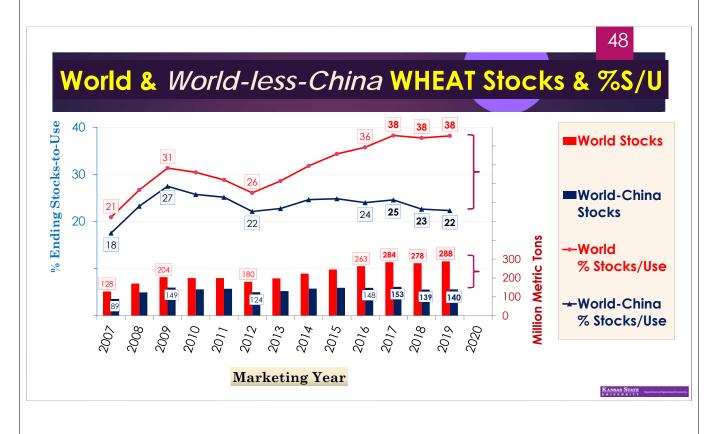


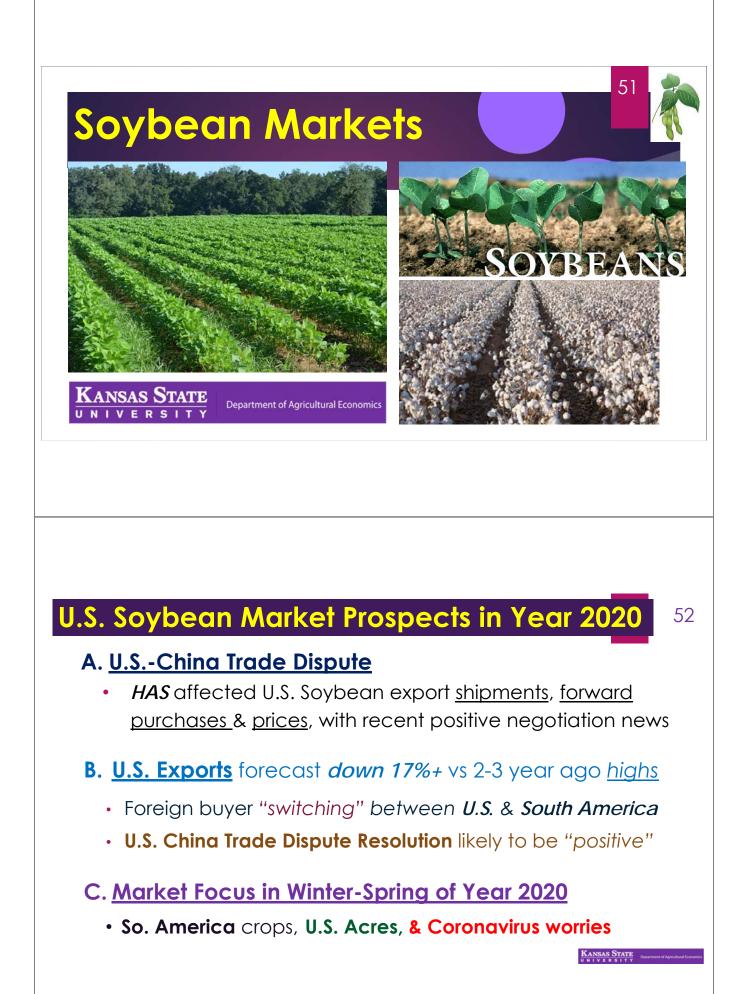


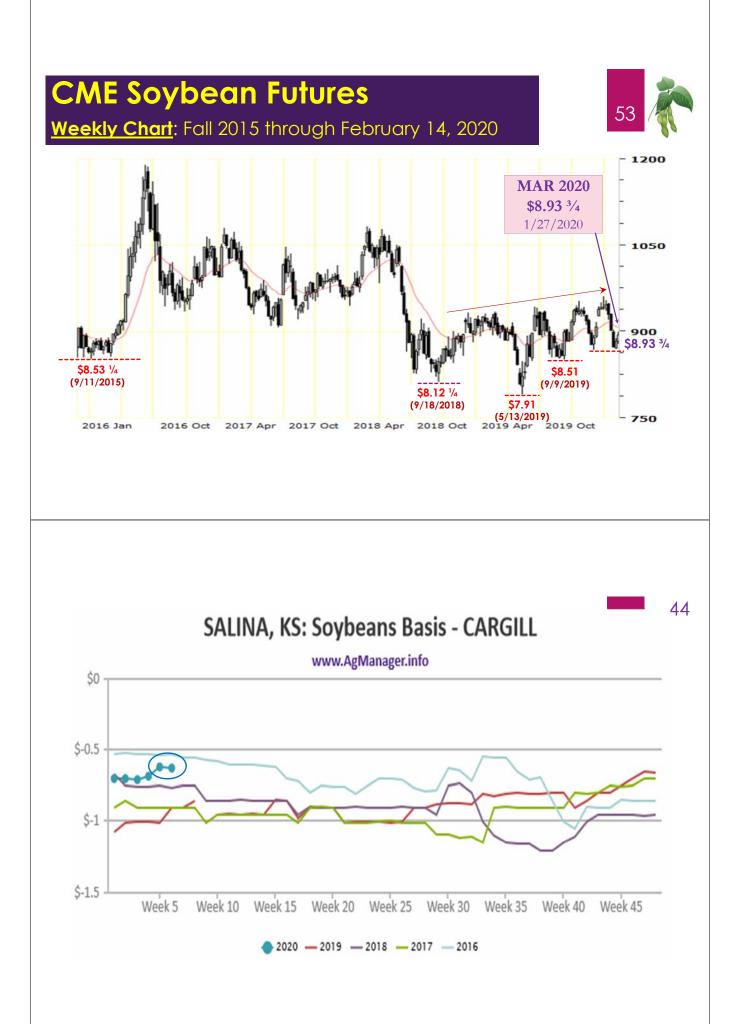
World Wheat Supply and Use

Itom	2018/2019 estimate	2019/2020 forecast	Change from	Change from
Item			January 10	2018/2019
		Milli	on Tons	-
Beginning stocks	283.8	278.3	0.2	-5.6
Production	731.5	764.0	-0.4	32.5
Total Supply	1,015.3	1,042.2	-0.2	26.9
Feed use	139.8	148.0	-0.4	8.2
Total use	737.0	754.2	-0.2	17.2
Trade	173.5	182.8	1.8	9.3
Ending Stocks	278.3	288.0	**	9.8

February 11, 2020







Soybean Cash Bids – Near Assaria, KS

Friday, February 14, 2020 (Source: DTN Grains)

Elevator/Location	Feb 2020	Mar 2020	Oct 2020
AGRI TRAILS COOP GYPSUM, KS	8.22		
MID KANSAS COOP LINDSBORG, KS	8.11		8.21
ADM GRAIN SALINA, KS	8.34		8.28
SCOULAR GRAIN CO SALINA, KS	8.34		
CARGILL SALINA, KS	8.38	8.33	
AGRI TRAILS COOP CARLTON, KS	8.22		
MID KANSAS COOP MARQUETTE, KS	8.08		8.17
MID KANSAS COOP CANTON, KS	8.24		8.32

	2020 KSU Cost of Production
	Budget Estimates
	Non-Irrigated Soybeans
	North Central KS
	@ 41 bu/ac Yield
-	Direct Cost (w/o Cash Rent) = \$5.92 /bu
-	All Cost (With Cash Rent) = \$7.40 /bu

DC_GR112 Dodge City, KS Fri, Feb 14, 2020 USDA-KS Dept of Ag Market News Central Kansas Terminal and Processor Daily Grain Report

TERMINAL US NO 2 SOYBEANS Bids Change (¢/bu) Basis Change Atchison 8.76 DN 2 -18H UNCH Topeka 8.66 UP 2 -28H UP 4 Salina DN 2-UP 3 8.34-8.39 -60H to -55H UNCH-UP 5 Newton 8.16 DN 2 -78H UNCH Hutchinson 8.14-8.39 DN 2 -80H to -55H UNCH 8.26 DN 2 Wichita -68H UNCH Wellington 8.24 DN 2 -70H UNCH Arkansas City 8.22 DN 2 -72H UNCH PROCESSOR US NO 2 SOYBEANS Bids Change (¢/bu) Basis Change Emporia 8.89 DN 2 UNCH -5H Wichita 8.87 DN 2 -7H UNCH

U.S. Soybeans Supply and Demand

Item	2018/2019 estimate	2019/2020 forecast	Change from January 10	Change from 2018/2019
Planted area (million acres)	89.2	76.1		-13.1
Harvested area (million acres)	87.6	75.0		-12.6
Yield (bushels per acre)	50.6	47.4		-3.1
	-	Million	bushels	-
Beginning stocks	438	909		471
Production	4,428	3,558		-870
Imports	14	15	1.77	1
Total supply	4,880	4,482		-398
Crush	2,092	2,105		13
Seed and Residual	132	128		-4
Domestic use	2,224	2,233		9
Exports	1,748	1,825	50	77
Total use	3,971	4,058	50	87
Ending stocks	909	425	-50	-485
		Pe	rcent	-
Stocks to use ratio	22.9	10.5	-1.4	-12.4
		Dollars	per bushel	
Average market price	8.48	8.75	-0.25	0.27

U.S. Soybean Stocks.....

60

<u>Soybean</u>: "Moderate-Large" Stocks & % S/U

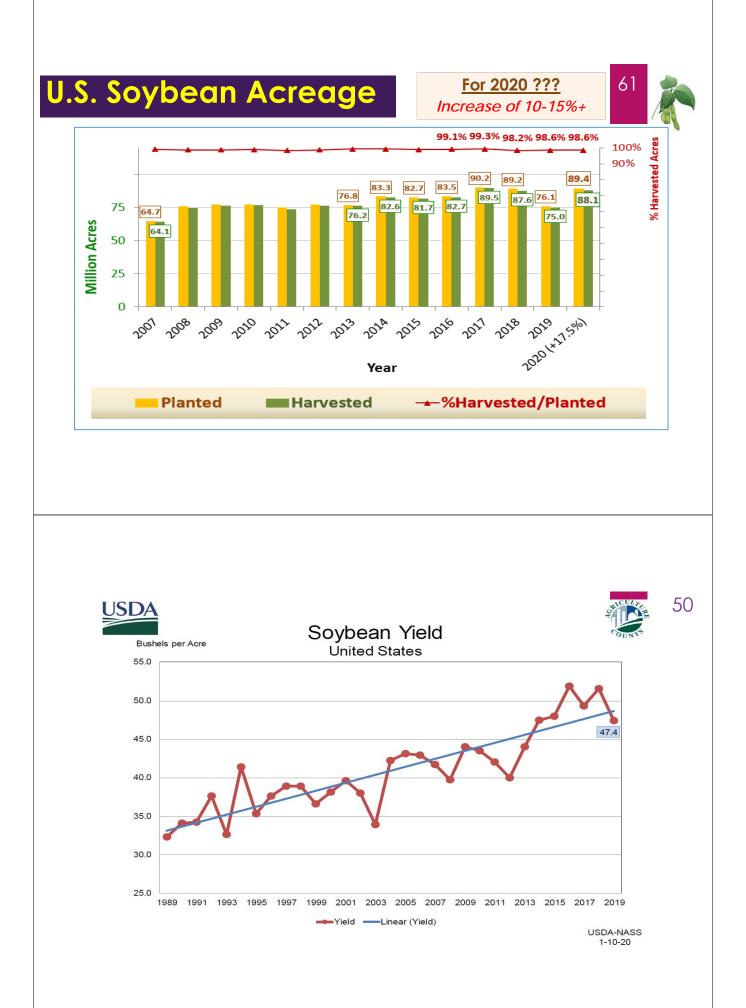
• End Stocks $^{2019/20} \rightarrow 425 \text{ mln bu}$ (vs 909 mb last yr)

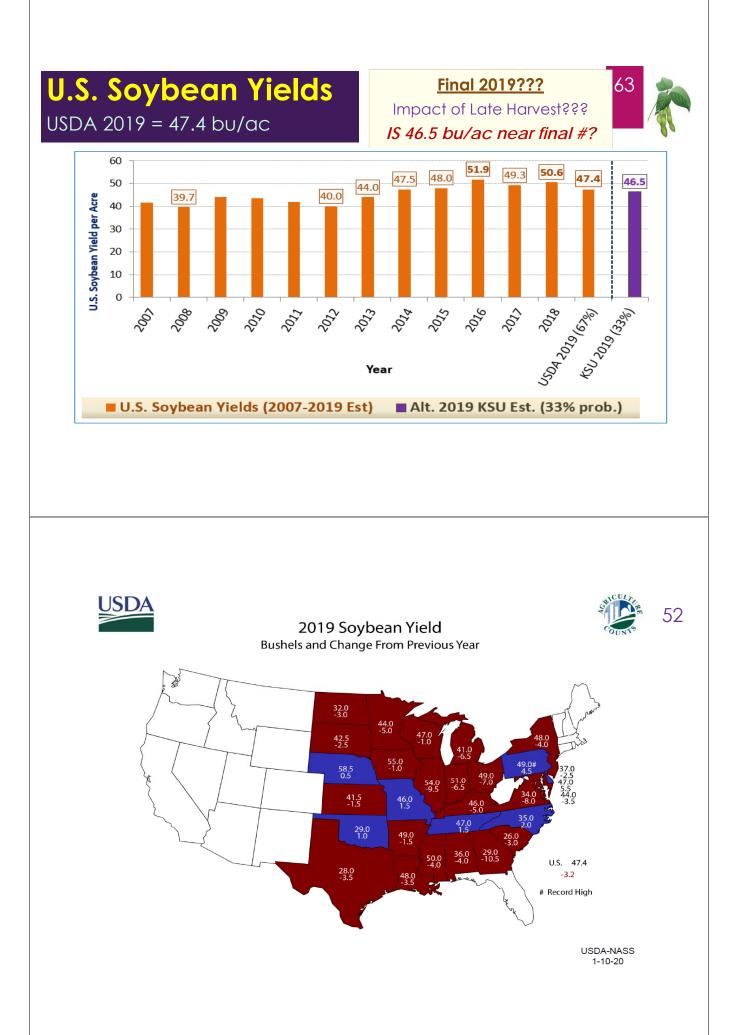
 \circ % Stocks/Use ^{2019/20} → 10.5% S/U (vs 22.9% last yr)

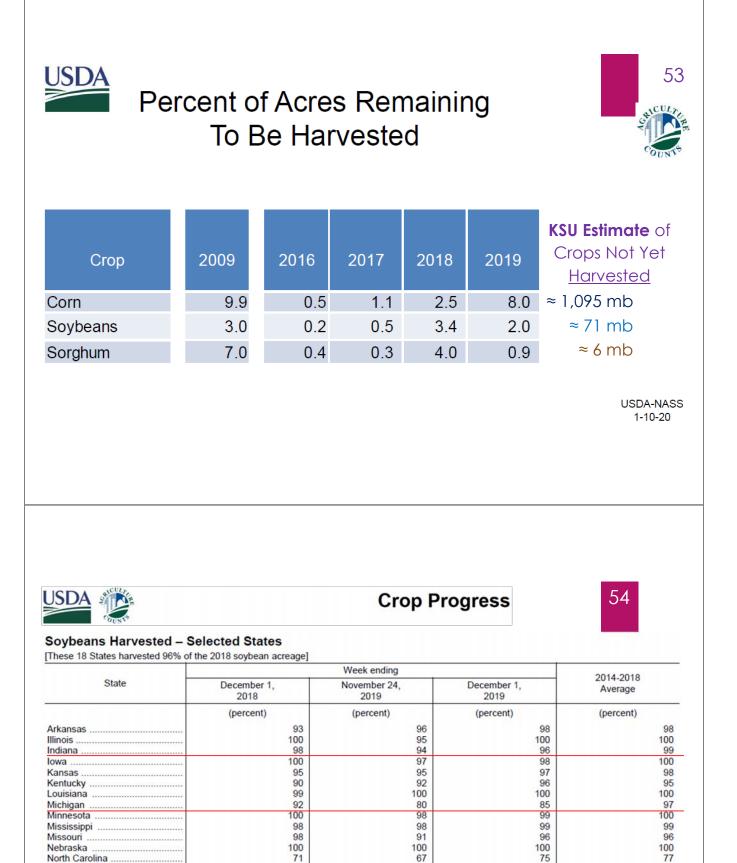
USDA WASDE January 10, 2020 Pre-Report Estimates

		Survey Results		USDA
2019-20 Crop:	Avg	Low	High	Dec.
Soybeans	431	310	520	475

KANSAS STATE UNIVERSITY Cogueroment of Agricultural Eco







North Dakota

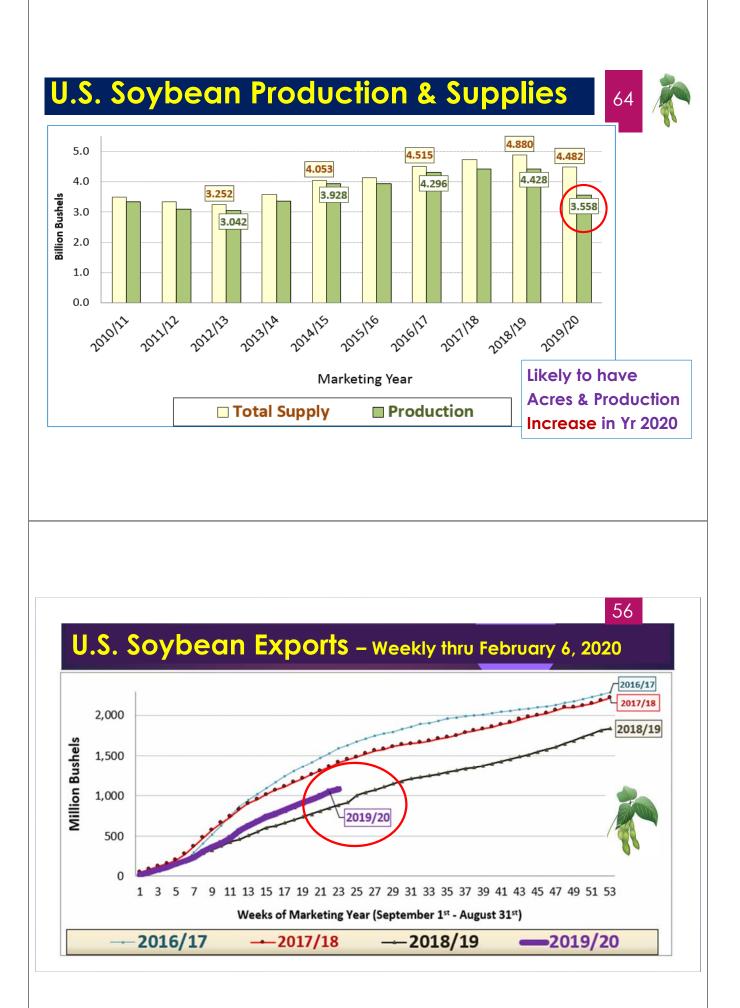
South Dakota

18 States

Tennessee

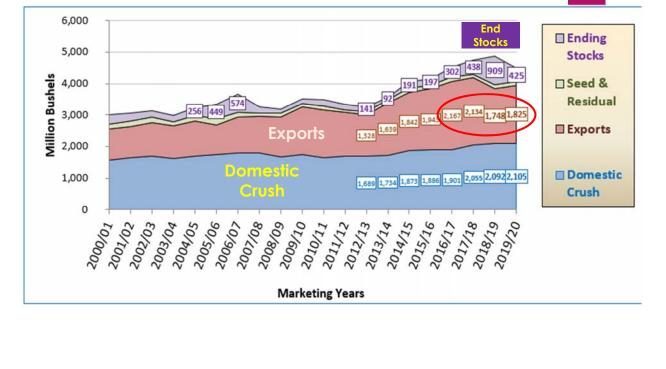
Wisconsin

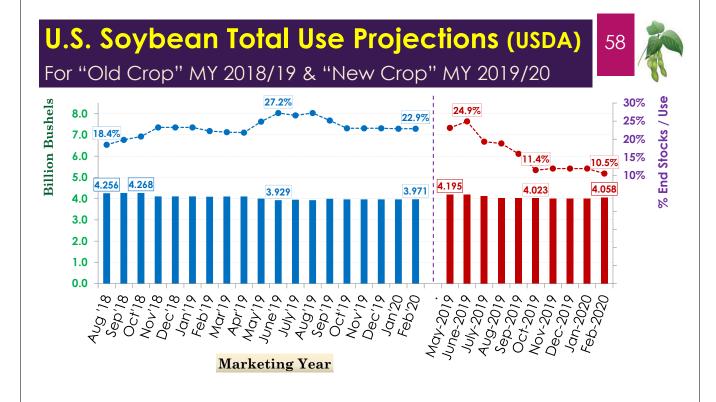
Ohio

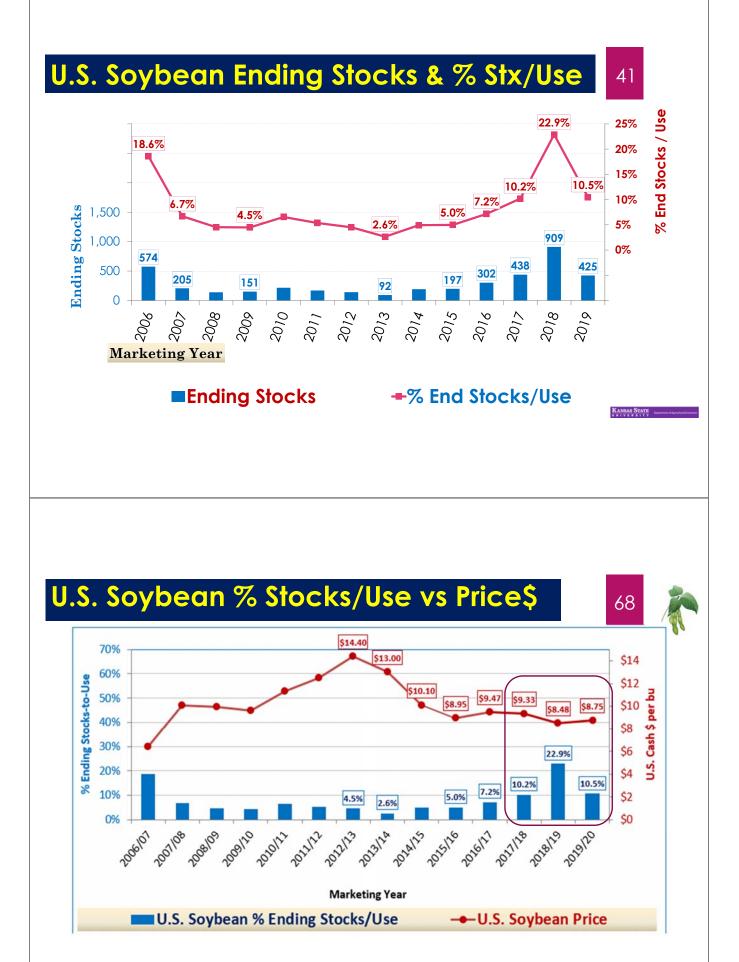


U.S. Soybean Use & End Stocks

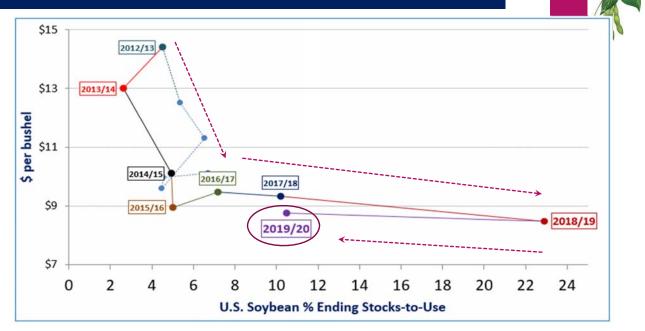








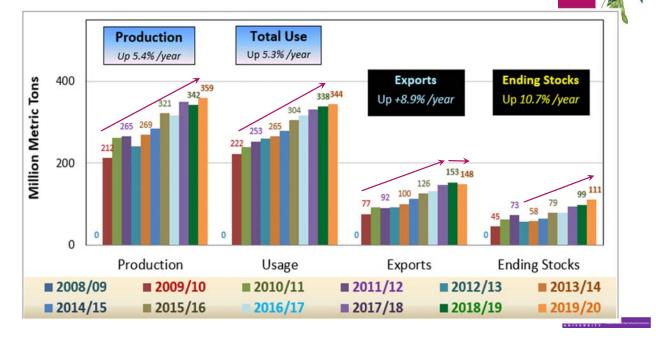
U.S. Soybean % Stocks/Use vs Price\$



69

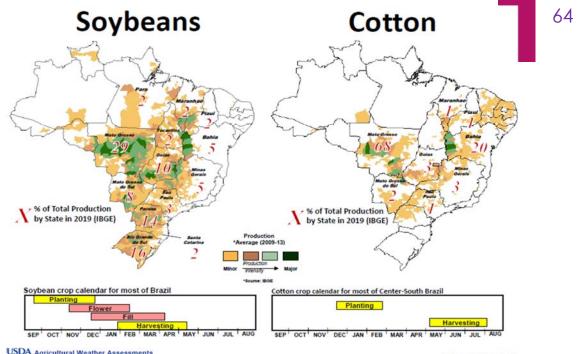
70

World Soybean Supply, Use & Stocks

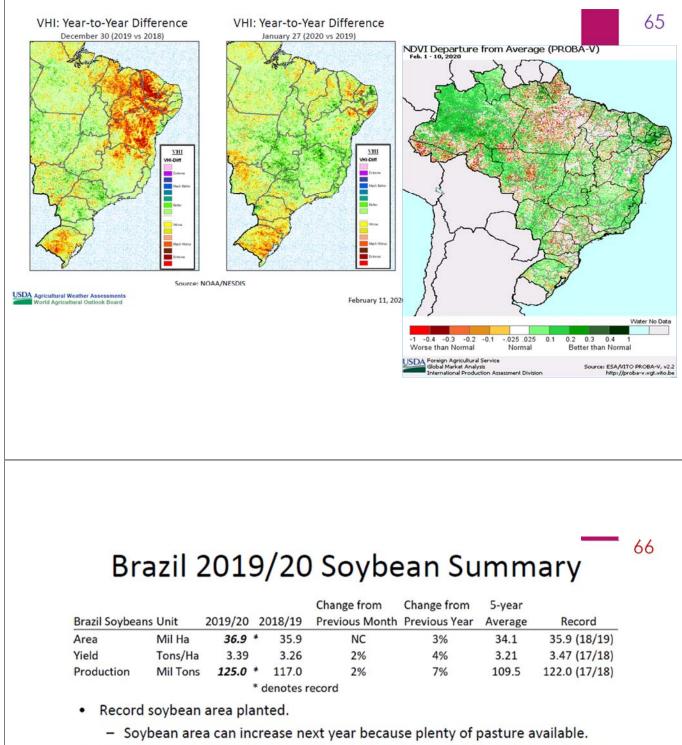


World Soybean Production

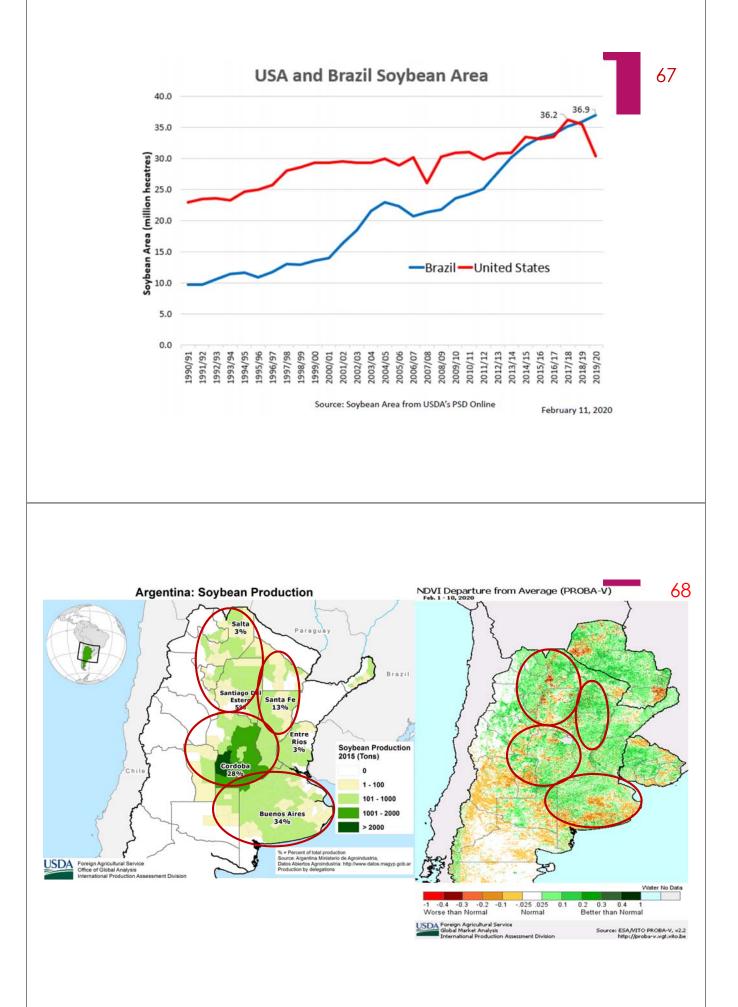
	2018/2019	2019/2020	Change from	Change from
Country or Region	estimate	forecast	January 10	2018/2019
		Mill	ion Tons	
World	358.6	339.4	1.7	-19.2
United States	120.5	96.8		-23.7
Foreign	238.1	242.6	1.7	4.4
Argentina	55.3	53.0		-2.3
Brazil	117.0	125.0	2.0	8.0
Paraguay	8.8	9.9	-0.3	1.1
Canada	7.3	6.0		-1.3
India	10.9	9.0		-1.9
China	16.0	18.1	221	2.1



USDA Agricultural Weather Assessments World Agricultural Outlook Board

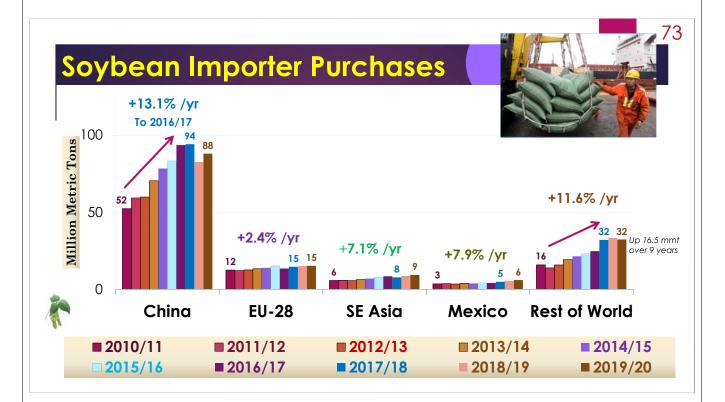


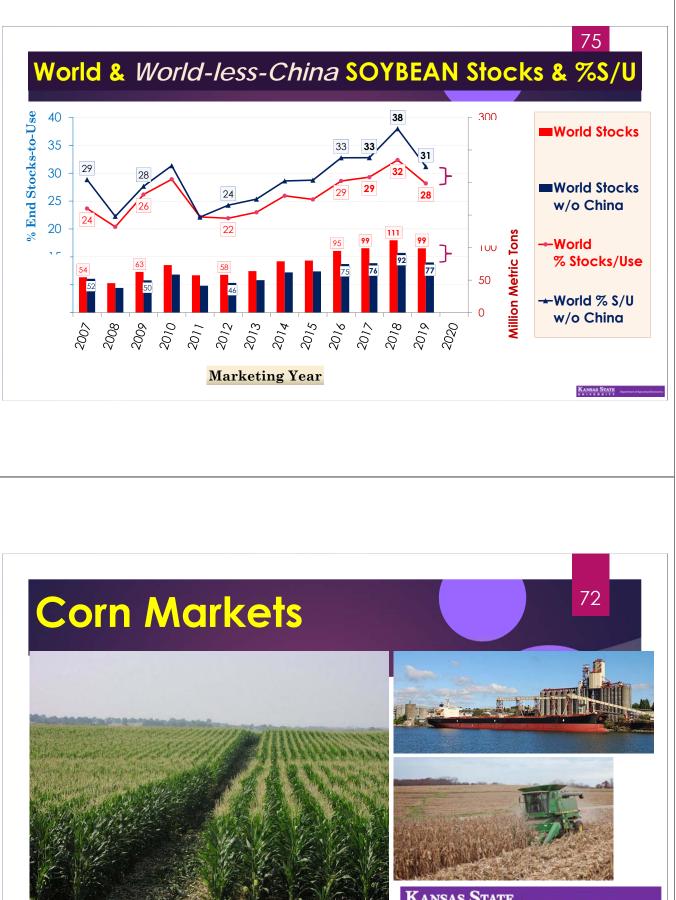
- December drought in Northeast (14 mmt) and Rio Grande do Sol (19 mmt) but good rains in January helped crop to recover.
- NDVI measurements indicate above trend yields expected (assuming normal rains to end of season).
- Early harvest reports (~17% harvested) indicate above-average yields in Mato Grosso (33 mmt).
- Above-average yields expected for Parana (20 mmt) and other Midwest states such as Goiás (~ 12 mmt), and Mato Grosso do Sul (~10 mmt).



World Soybean Supply and Use

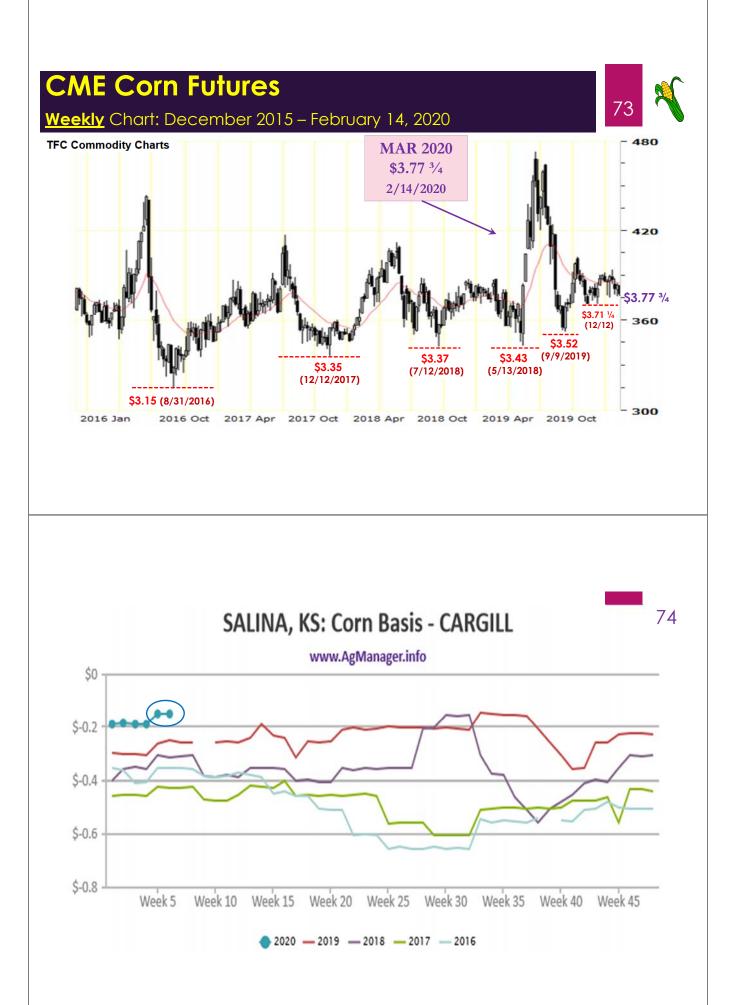
	2018/2019	2019/2020	Change from	Change from	
Item	estimate	forecast	January 10	2018/2019	-
	2	Millio	on Tons	-	
Beginning stocks	99.0	111.2	0.9	12.2	
Production	358.6	339.4	1.7	-19.2	
Total Supply	457.7	450.6	2.6	-7.1	
Crush	298.1	304.3	0.7	6.2	
Total use	343.6	351.1	1.0	7.4	
Trade	148.3	151.5	2.4	3.2	
Ending Stocks	111.2	98.9	2.2	-12.4	
Addendum					
Beginning stocks					
Argentina plus Brazil	56.5	59.3	0.2	2.8	
Imports*					
China	82.5	88.0	3.0	5.5	February 11





KANSAS STATE

Department of Agricultural Economics



Corn Cash Bids – Near Assaria, KS

Elevator/Location	Feb 2020	Mar 2020	Oct 2020
AGRI TRAILS COOP GYPSUM, KS	3.58		1
MID KANSAS COOP LINDSBORG, KS	3.50		3.41
ADM GRAIN SALINA, KS	3.63		3.59
SCOULAR GRAIN CO SALINA, KS	3.63		
CARGILL SALINA, KS	3.63	3.65	
AGRI TRAILS COOP CARLTON, KS	3.58		
MID KANSAS COOP MARQUETTE, KS	3.45		3.41
MID KANSAS COOP CANTON, KS	3.58		3.59
COOPERATIVE GRAIN & SUPPLY CANTON, KS	3.57		3.48
AGRI TRAILS COOP DURHAM, KS	3.58		

2020 KSU Cost of Production Budget Estimates

> Non-Irrigated Corn North Central KS @ 120 bu/ac Yield

- Direct Cost (w/o Cash Rent) = \$2.85 /bu

- All Cost (With Cash Rent) = \$3.36 /bu

DC_GR112 Dodge City, KS Fri, Feb 14, 2020 USDA-KS Dept of Ag Market News Central Kansas Terminal and Processor Daily Grain Report

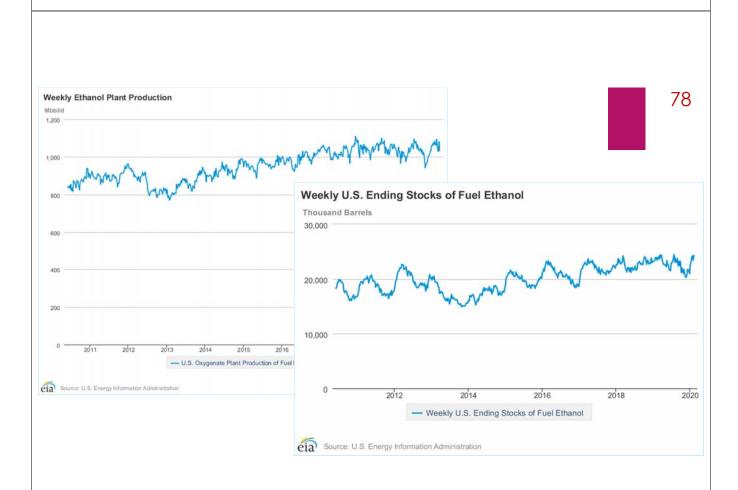
		TERMINAL US NO 2 Y	ELLOW CORN	
	Bids	Change (¢/bu)	Basis	Change
Atchison	3.93	DN 2	15H	UNCH
Topeka	3.88	DN 2	10H	UNCH
Salina	3.63-3.64	DN 2	-15H to -14H	UNCH
Newton	3.62	DN 2	-16H	UNCH
Hutchinson	3.62-3.73	DN 2	-16H to -5H	UNCH
Wellington	3.61	DN 2	-17H	UNCH
Arkansas City	3.57	DN 2	-21H	UNCH
		PROCESSOR US NO 2	YELLOW CORN	
	Bids	Change (¢/bu)	Basis	Change
Atchison	3.92	DN 2	14H	UNCH

75

76

USDA Daily Ethanol Report Agricultural Marketing Service Livestock, Poultry & Grain Market News

US #2 Yellow Corn - dollars/bushel							
	Cash B	ids	Chg	Bas	is		Avg:
lowa-Eastern:	3.7050 -	3.7750		-9H	to	-2H	-7.09
lowa-Western:	3.6950 -	3.8950	4	-10H	to	10H	-0.39
Illinois:	3.7250 -	4.0450	4	-7H	to	25H	6.57
Indiana:	3.8250 -	4.1250		3H	to	33H	22.78
Ohio:	4.0450 -	4.1450		25H	to	35H	31.83
Michigan:	3.8950 -	4.1450	4	10H	to	35H	25.00
Kansas:	3.8750 -	4.1050		8H	to	31H	14.80
Minnesota:	3.4150 -	3.7850	4	-38H	to	-1H	-12.29
Nebraska:	3.6450 -	3.8050	4	-15H	to	1H	-5.35
Wisconsin:	3.5950 -	3.6950	4	-20H	to	-10H	-15.20
South Dakota:	3.4450 -	3.8450	+	-35H	to	5H	-14.38
Missouri:	3.7150 -	3.7750	+	-8H	to	-2H	-5.00
	Sorghum - dollars/bushel						
	Cash B	ids	Chg	E	Bas	is	Avg:
Kansas:	3.5450 -	3.5950	*	-25H	to	-20H	-22.50





U.S. Corn Supply and Demand

Item	2018/2019 estimate	2019/2020 forecast	Change from January 10	Change from 2018/2019
Planted area (million acres)	88.9	89.7		0.8
Harvested area (million acres)	81.3	81.5		0.2
Yield (bushels per acre)	176.4	168.0		-8.4
	-	Million	bushels	
Beginning stocks	2,140	2,221		80
Production	14,340	13,692		-649
Imports	28	50		22
Total supply	16,509	15,962		-546
Feed and residual	5,432	5,525		93
Food, seed, and industrial	6,791	6,820	50	29
Ethanol	5,376	5,425	50	49
Domestic use	12,223	12,345	50	122
Exports	2,065	1,725	-50	-340
Total use	14,288	14,070		-218
Ending stocks	2,221	1,892		-328
	-	Pe	rcent	
Stocks to use ratio	15.5	13.4	0.000	-2.1
		Dollars	per bushel	
Average market price	3.61	3.85		0.24

U.S. Corn Stocks.....

<u>Corn</u>: "Moderate" Stocks & % S/U

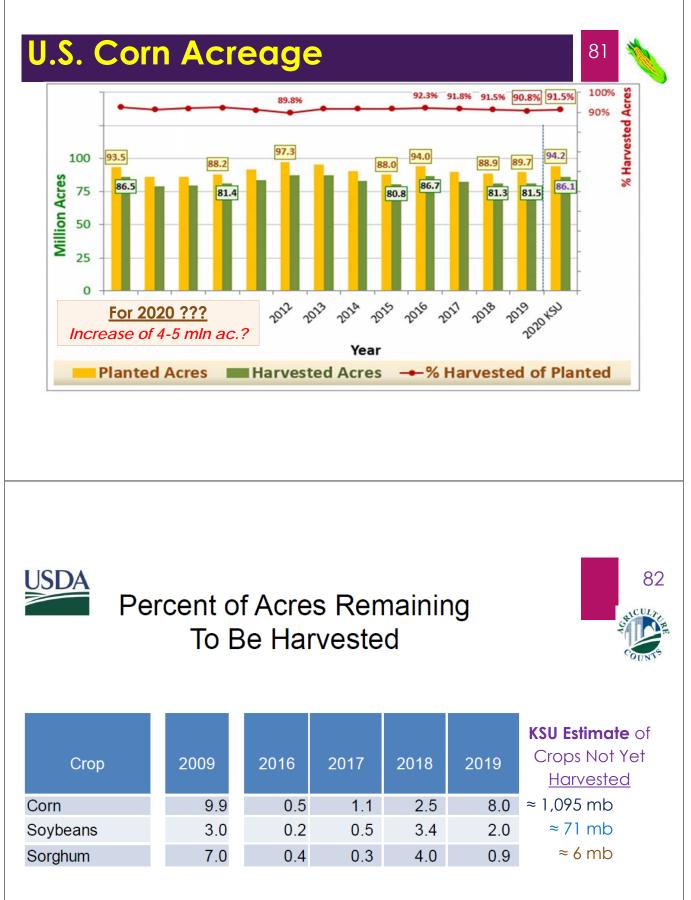
• End Stocks ^{2019/20} \rightarrow 1.892 bln bu (vs 2.221 bb last yr)

 \circ % Stocks/Use ^{2019/20} → 13.5% S/U (vs 15.5% S/U last yr)

USDA WASDE January 10, 2020 Pre-Report Estimates

		USDA			
2019-20 Crop:	Avg	Avg Low High			
Corn	1,776	1,479	2,124	1,910	

80



USDA-NASS 1-10-20



Crop Progress

Corn Harvested – Selected States

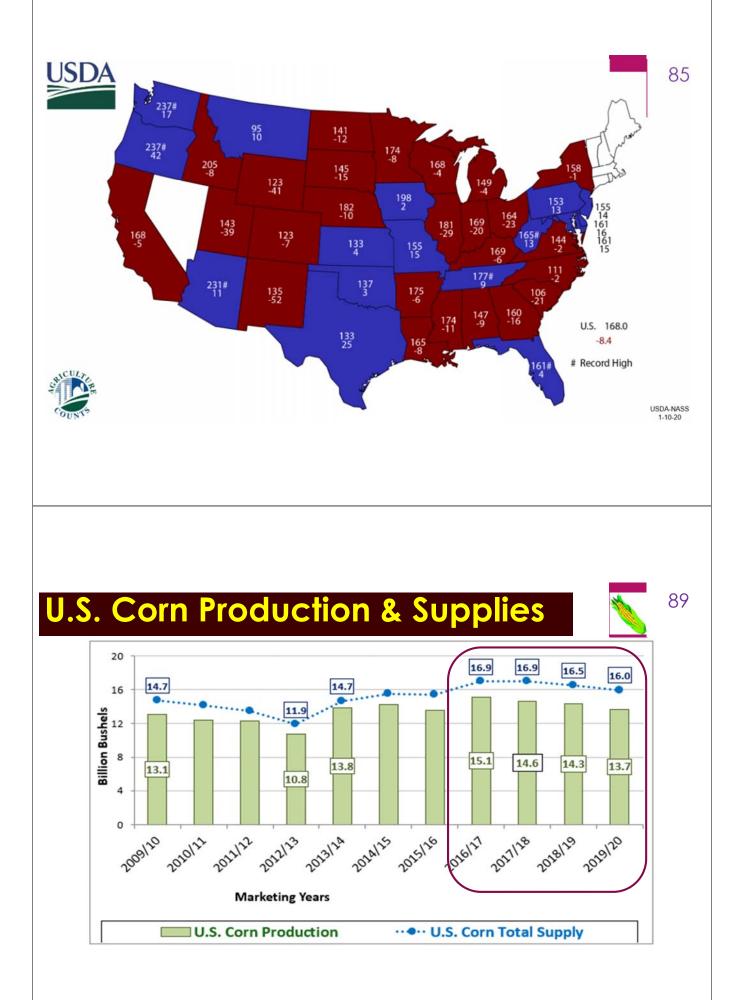
[These 18 States harvested 94% of the 2018 corn acreage]

		Week ending		2014 2010
State	December 8, 2018	December 1, 2019	December 8, 2019	2014-2018 Average
	(percent)	(percent)	(percent)	(percent)
Colorado	100	98	99	100
Illinois	100	93	96	100
Indiana	100	93	96	99
lowa	100	92	95	100
Kansas	98	99	100	99
Kentucky	100	100	100	100
Michigan	99	66	74	96
Minnesota	100	91	93	100
Missouri	100	95	98	100
Nebraska	(NA)	96	98	(NA)
North Carolina	100	100	100	100
North Dakota	(NA)	36	43	(NA)
Ohio	94	90	93	99
Pennsylvania	82	86	91	88
South Dakota	(NA)	80	83	(NA)
Tennessee	100	100	100	100
Texas	98	100	100	99
Wisconsin	96	66	74	95
18 States	100	89	92	100













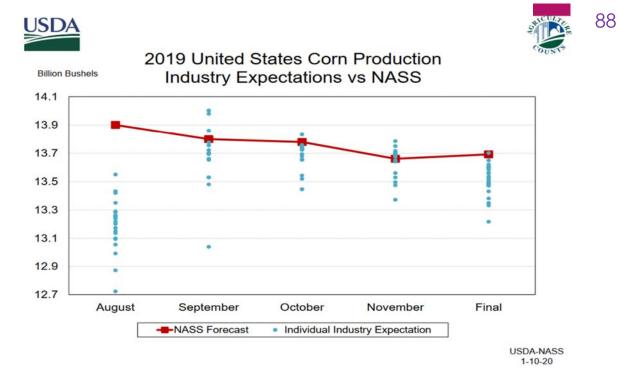
87

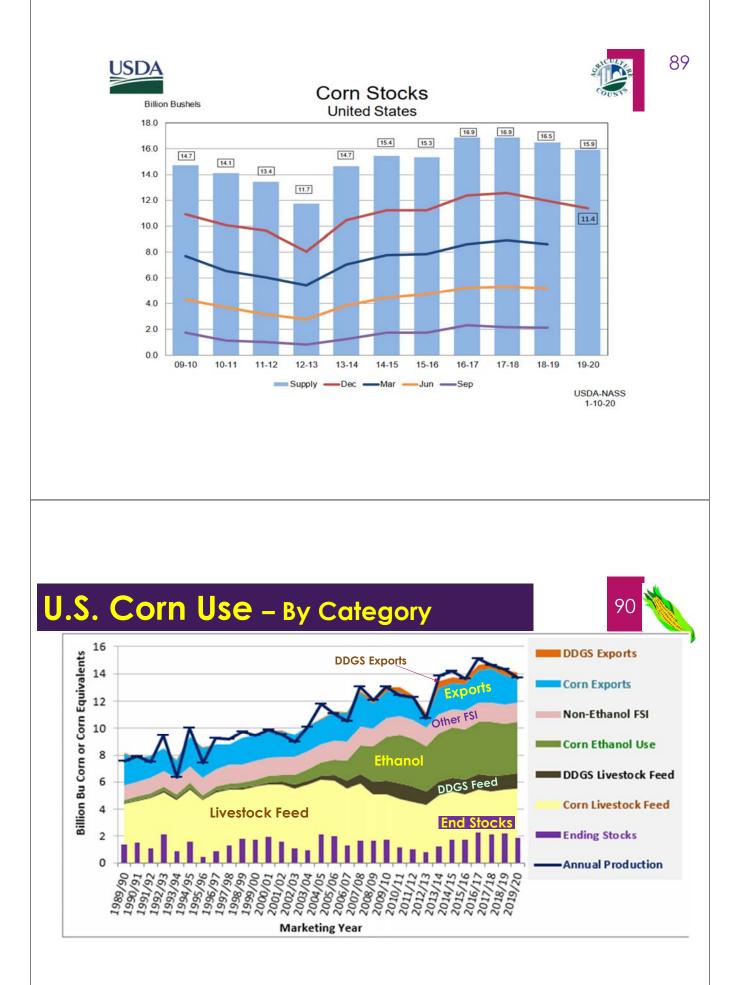
2018 Corn Crop

	Previous Estimates	Jan 10 Estimates	Change
		Million Bushels	
Sept 1, 2018 Stocks	2,140	2,140	NC
2018 Production	14,420	14,340	-80
Imports	*28	*28	NC
Total Supply	16,588	16,508	-80
Exports	*2,065	*2,065	NC
Food, Seed, and Industrial	*6,791	*6,791	NC
Measured Disappearance	8,856	8,856	NC
Ending Stocks	2,114	2,221	+107
Feed and Residual	*5,618	*5,432	-186

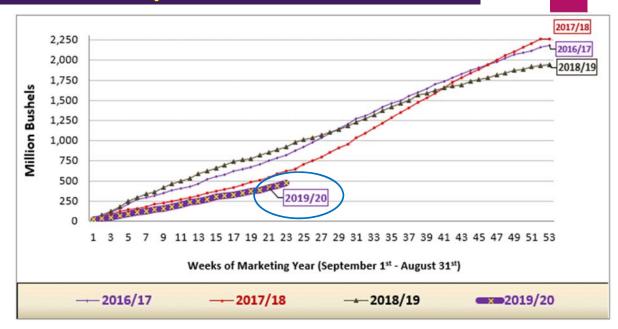
*From WASDE Report

USDA-NASS 1-10-20





U.S. Corn Exports – Weekly thru 2/6/2020

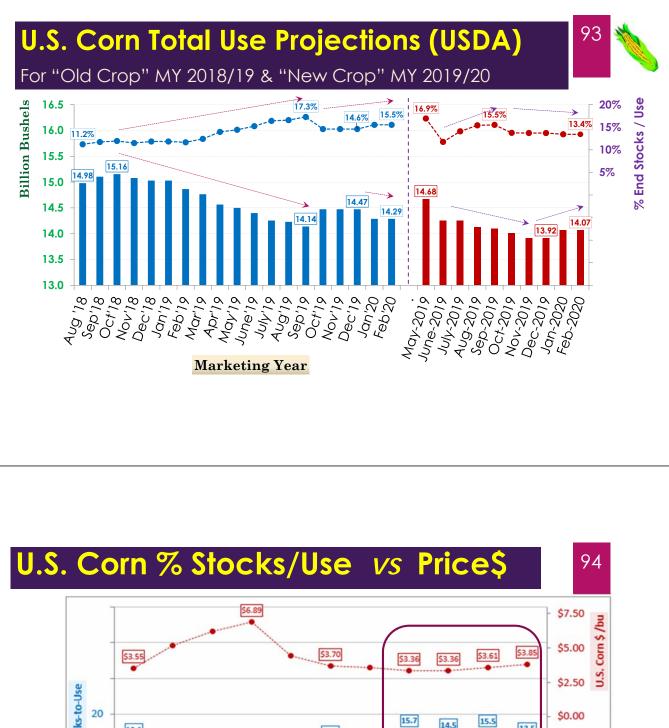


91

92

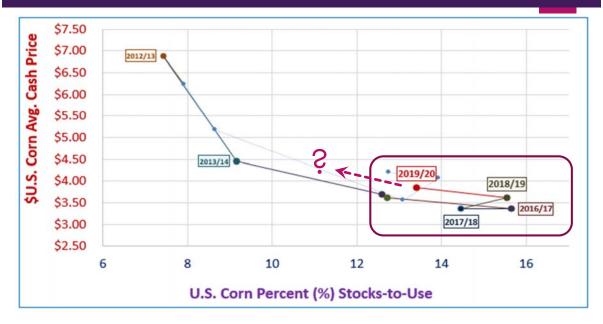
U.S. Corn Ending Stocks & % Stocks/Use

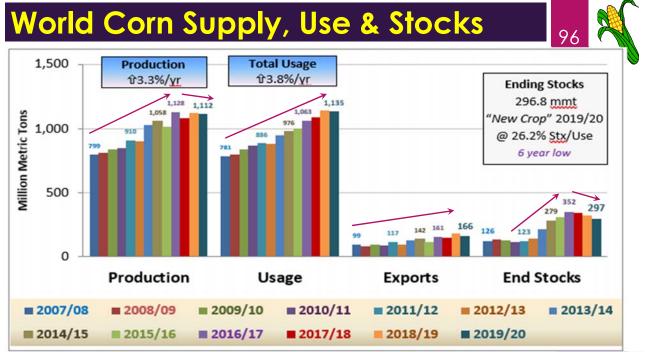






U.S. Corn % Stocks/Use vs Price\$ 95





KANSAS STATE

World Corn Production							
	2018/2019	2019/2020	Change from	Change from			
Country or Region	estimate	forecast	January 10	2018/2019			
Million Tons							
World	1,122.7	1,111.6	0.8	-11.1			
United States	364.3	347.8		-16.5			
Foreign	758.5	763.8	0.8	5.3			
Argentina	51.0	50.0		-1.0			
Brazil	101.0	101.0					
Mexico	27.6	25.0		-2.6			
Canada	13.9	13.4		-0.5			
European Union	64.4	65.0		0.6			
Serbia	7.0	6.8		-0.3			
FSU-12	52.6	55.5	0.6	3.0			
Ukraine	35.8	35.8	0.3	**			
Russia	11.4	14.5		3.1			
South Africa	11.8	14.5	0.5	2.7			

260.8

29.0

257.3

27.2

China

India

World Corn Production

98

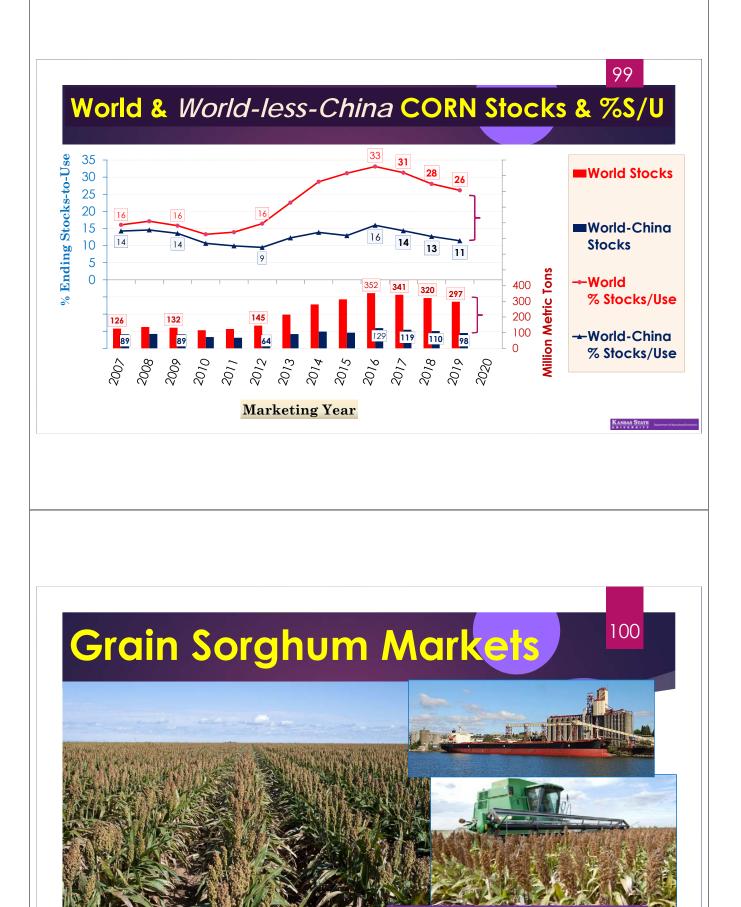
3.4

1.8

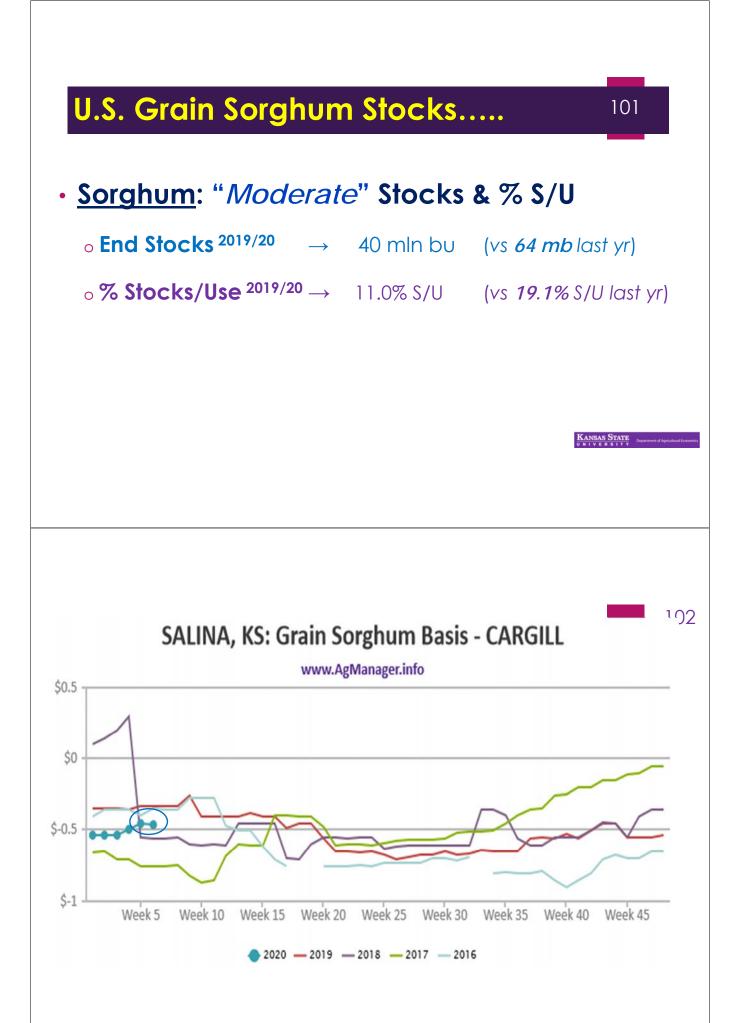
World Corn Supply and Use

ltem	2018/2019 estimate	2019/2020 forecast	Change from January 10	Change from 2018/2019
		Milli	on Tons	-0
Beginning stocks	341.3	320.5	0.1	-20.8
Production	1,122.7	1,111.6	0.8	-11.1
Total Supply	1,464.0	1,432.1	0.8	-32.0
Feed use	700.8	704.9	1.0	4.1
Total use	1,143.5	1,135.2	1.8	-8.3
Trade	181.6	165.8	0.1	-15.9
Ending Stocks	320.5	296.8	-1.0	-23.6

97



KANSAS STATE UNIVERSITY Department of Agricultural Economic



Milo Cash Bids – Near Assaria, KS

Friday, February 14, 2020 (Source: DTN Grains)

Elevator/Location	Feb 2020	Mar 2020	Oct 2020	Nov 2020
AGRI TRAILS COOP GYPSUM, KS	3.08			
MID KANSAS COOP LINDSBORG, KS	3.04		3.14	
ADM GRAIN SALINA, KS	3.28			3.24
SCOULAR GRAIN CO SALINA, KS	3.28			
CARGILL SALINA, KS	3.32	3.37		
AGRI TRAILS COOP CARLTON, KS	3.08			
MID KANSAS COOP MARQUETTE, KS	3.04	"	3.18	
MID KANSAS COOP CANTON, KS	3.28		3.29	
COOPERATIVE GRAIN & SUPPLY CANTON, KS	3.06		3.19	

2020 KSU Cost of Production Budget Estimates

103

Non-Irrigated Grain Sorghum North Central KS @ \$120 bu/ac Yield

- Direct Cost (w/o Cash Rent) = \$2.24 /bu
- All Cost (With Cash Rent) = \$2.74 /bu

KANSAS STATE

Questions?

Daniel O'Brien – Extension Ag Economist

Blog: www.ksugrains.wordpress.com

KSUGrains on Twitter

www.AgManager.info

Department of Agricultural Economic