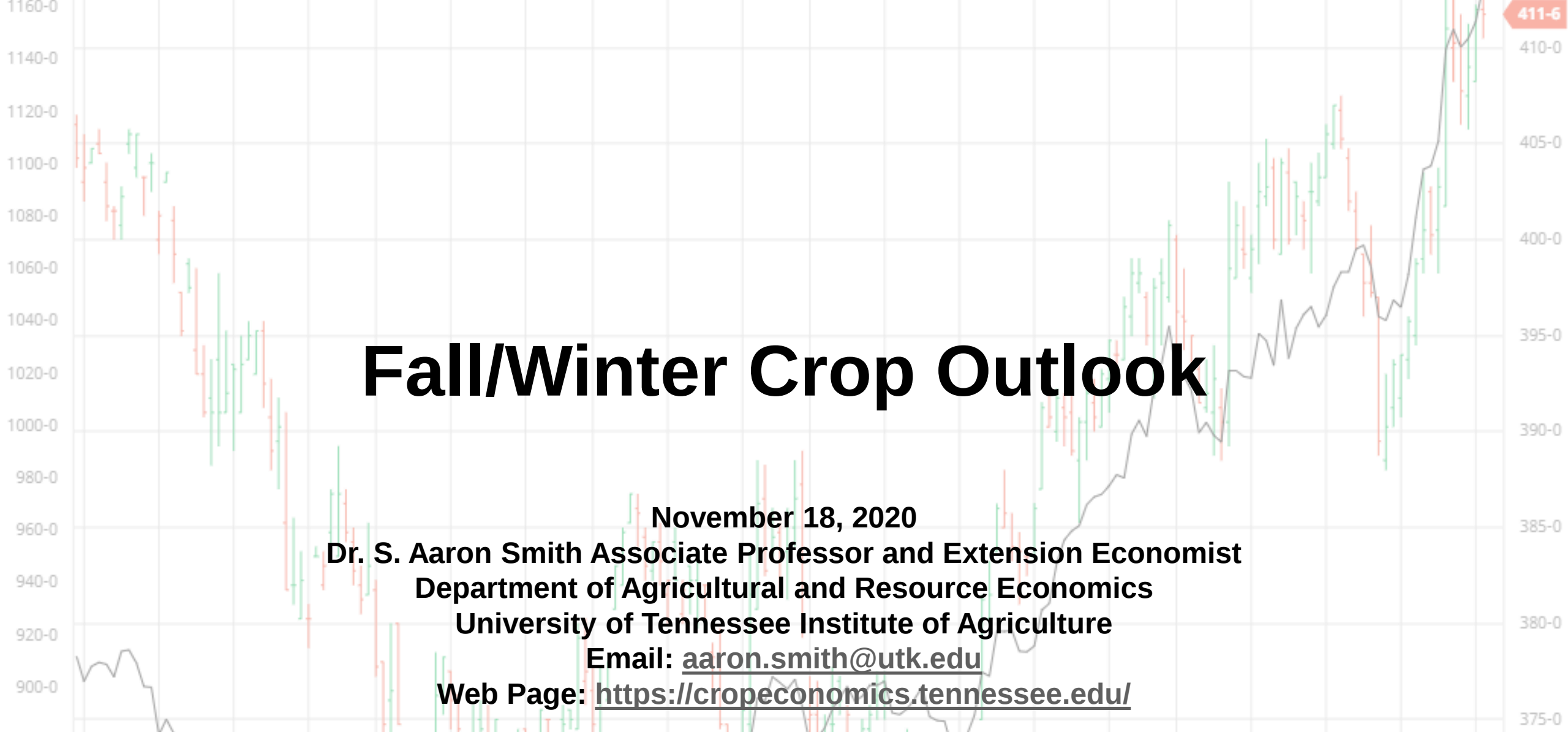




Fall/Winter Crop Outlook

November 18, 2020

Dr. S. Aaron Smith Associate Professor and Extension Economist

Department of Agricultural and Resource Economics

University of Tennessee Institute of Agriculture

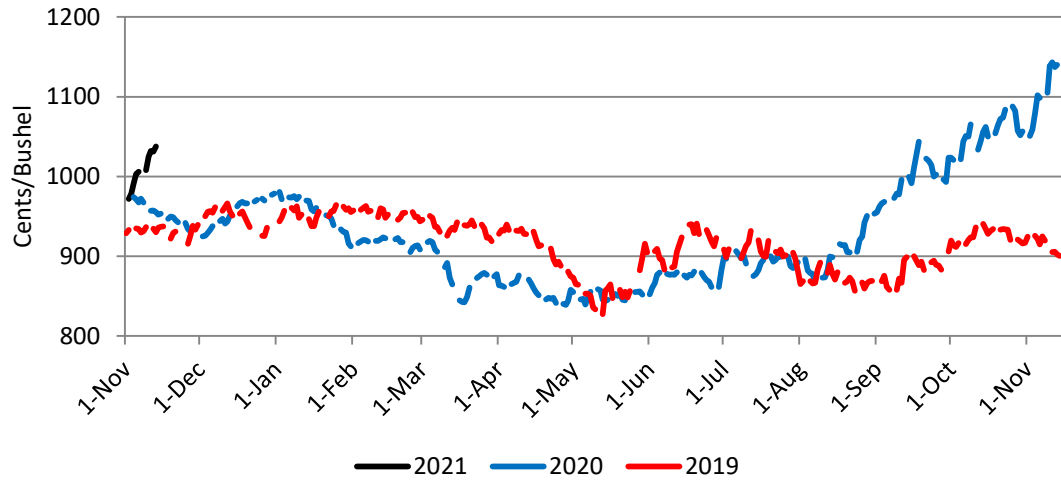
Email: aaron.smith@utk.edu

Web Page: <https://cropeconomics.tennessee.edu/>

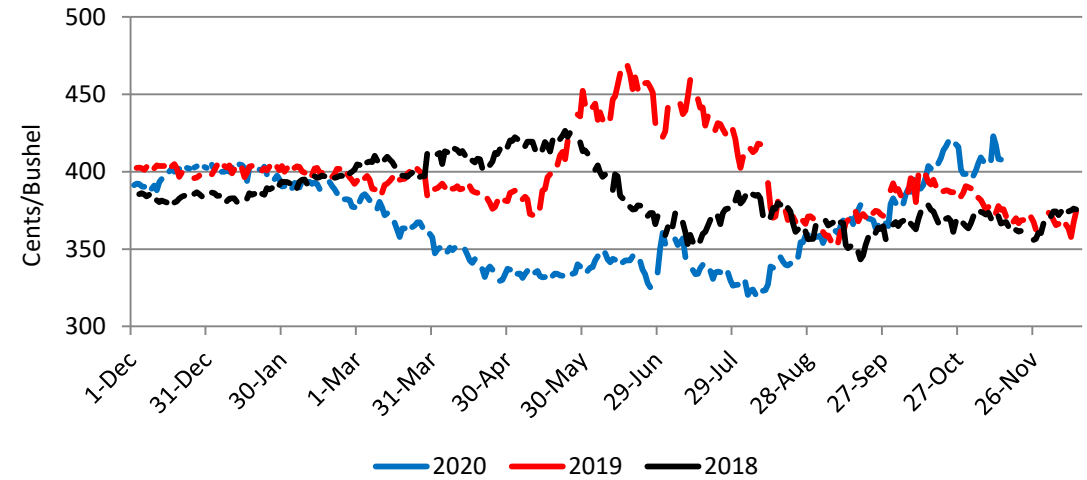
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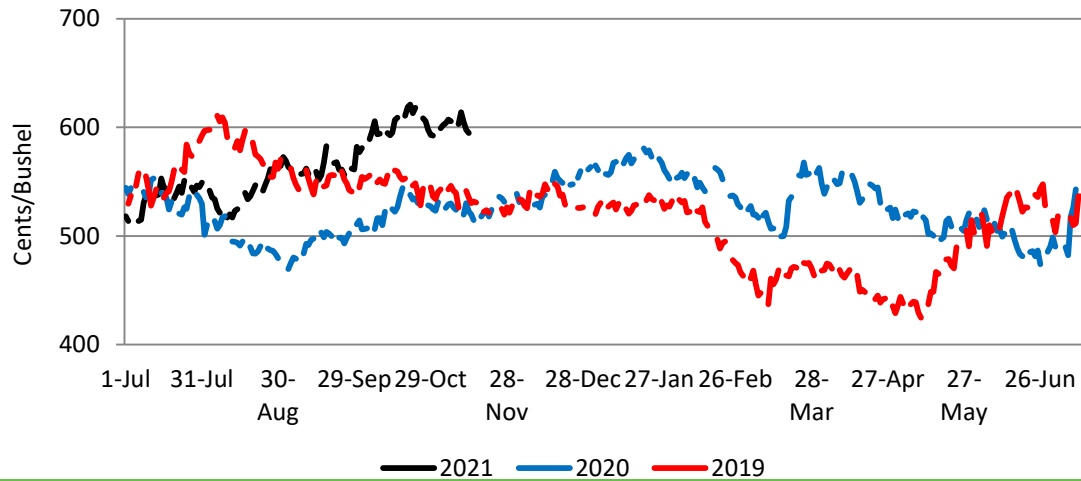
November Soybean Futures



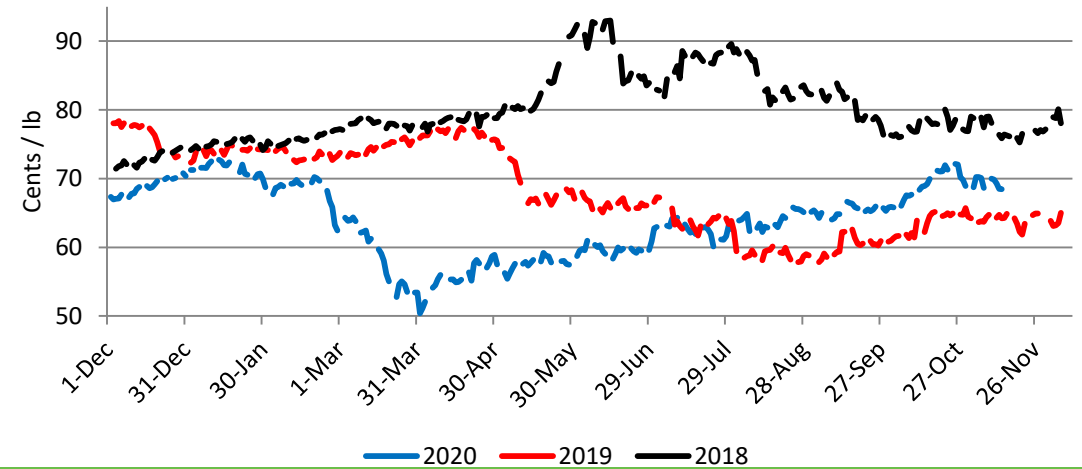
December Corn Futures



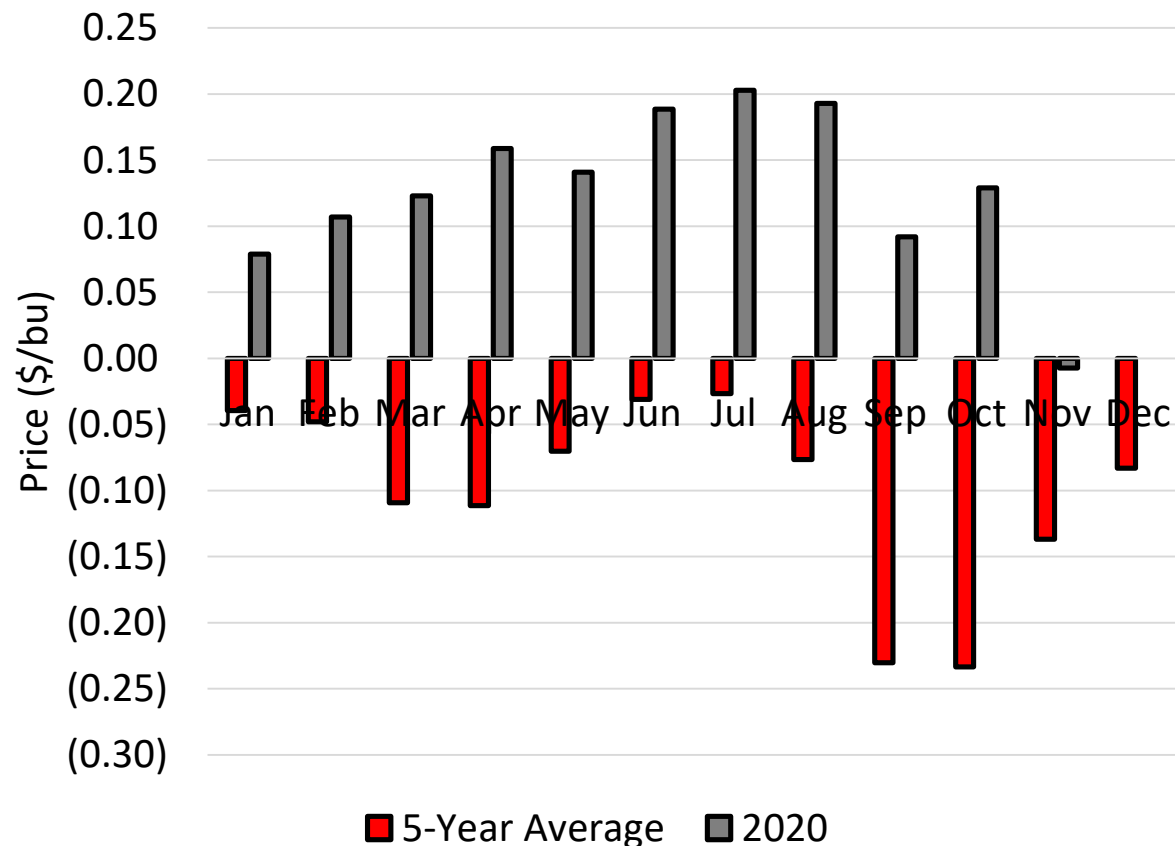
July Wheat Futures



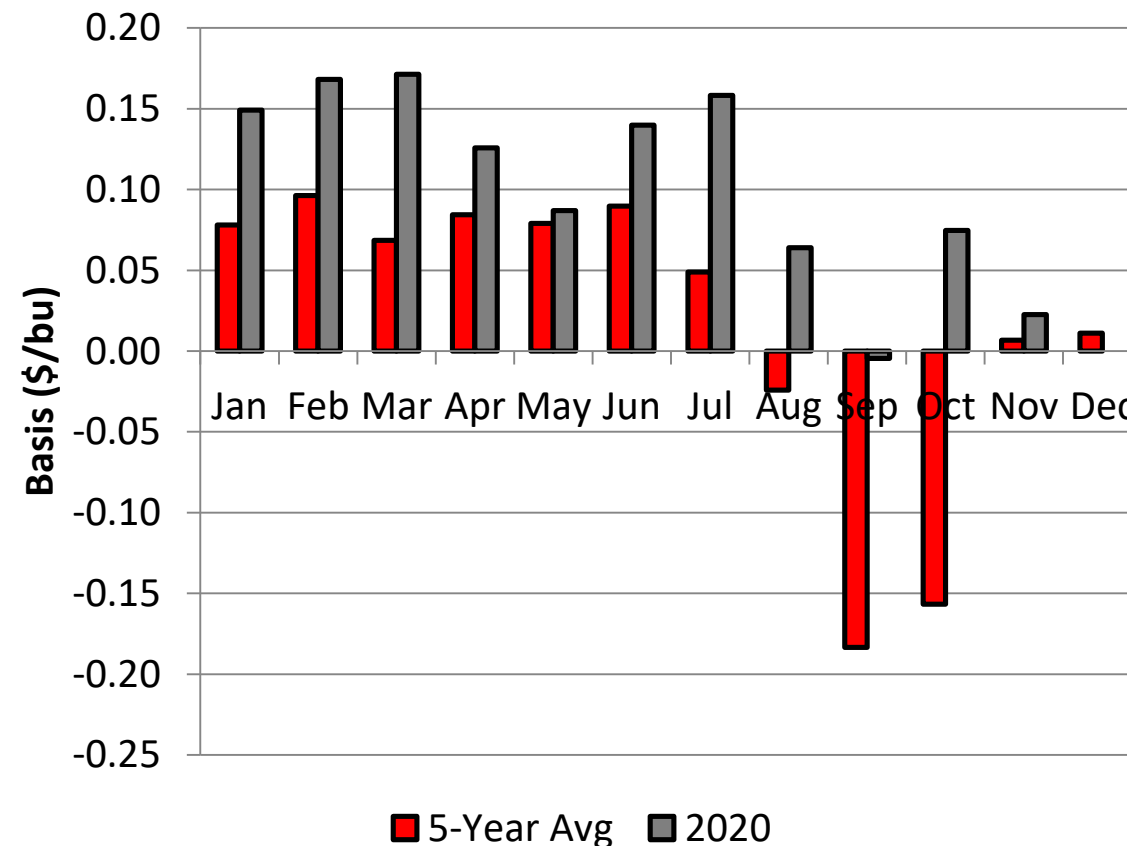
December Cotton Futures



**Tennessee Average Monthly Soybean Basis
(Elevators and Barge Points), 5-Year Average
(2015-2019) and 2020**



**Tennessee Average Monthly Corn Basis
(Elevators and Barge Points), 2015-2019
average and 2020**

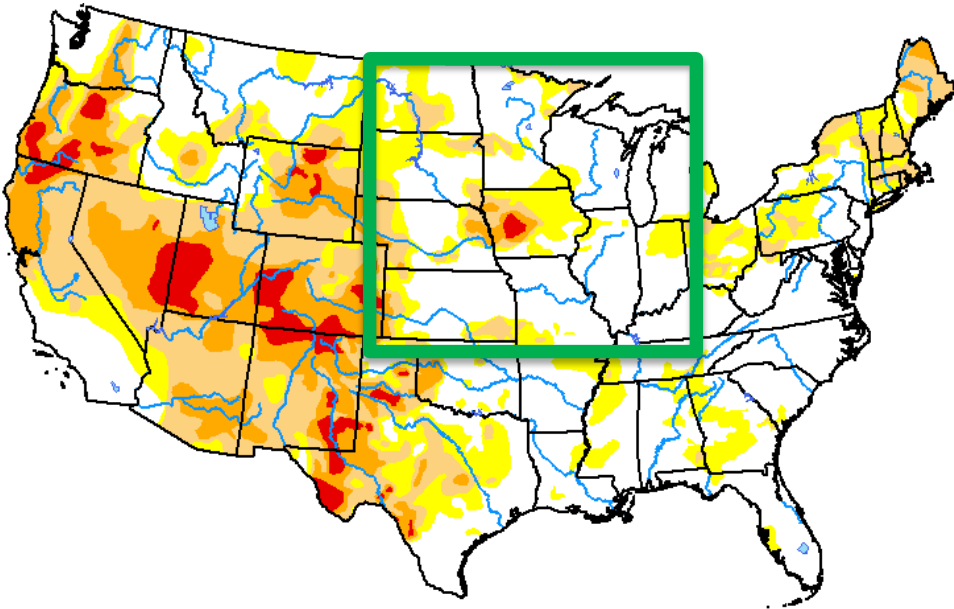


What caused the dramatic price increase over the past 3-months?

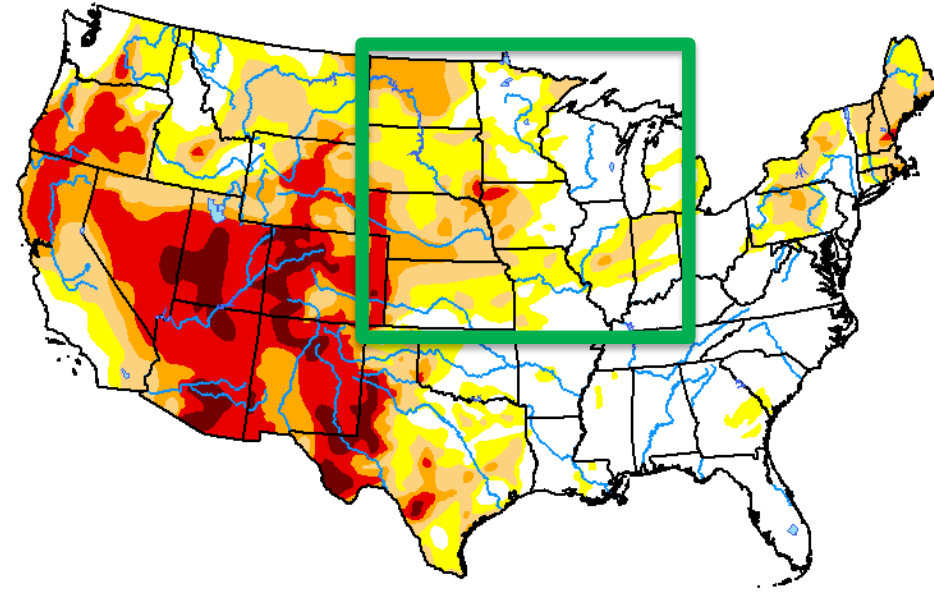
- Weather
 - Domestic – derecho, hurricanes, flash droughts
 - International – drought, delayed plantings
- Trade
 - Export sales
 - China Phase 1 commitment?

Drought in the West

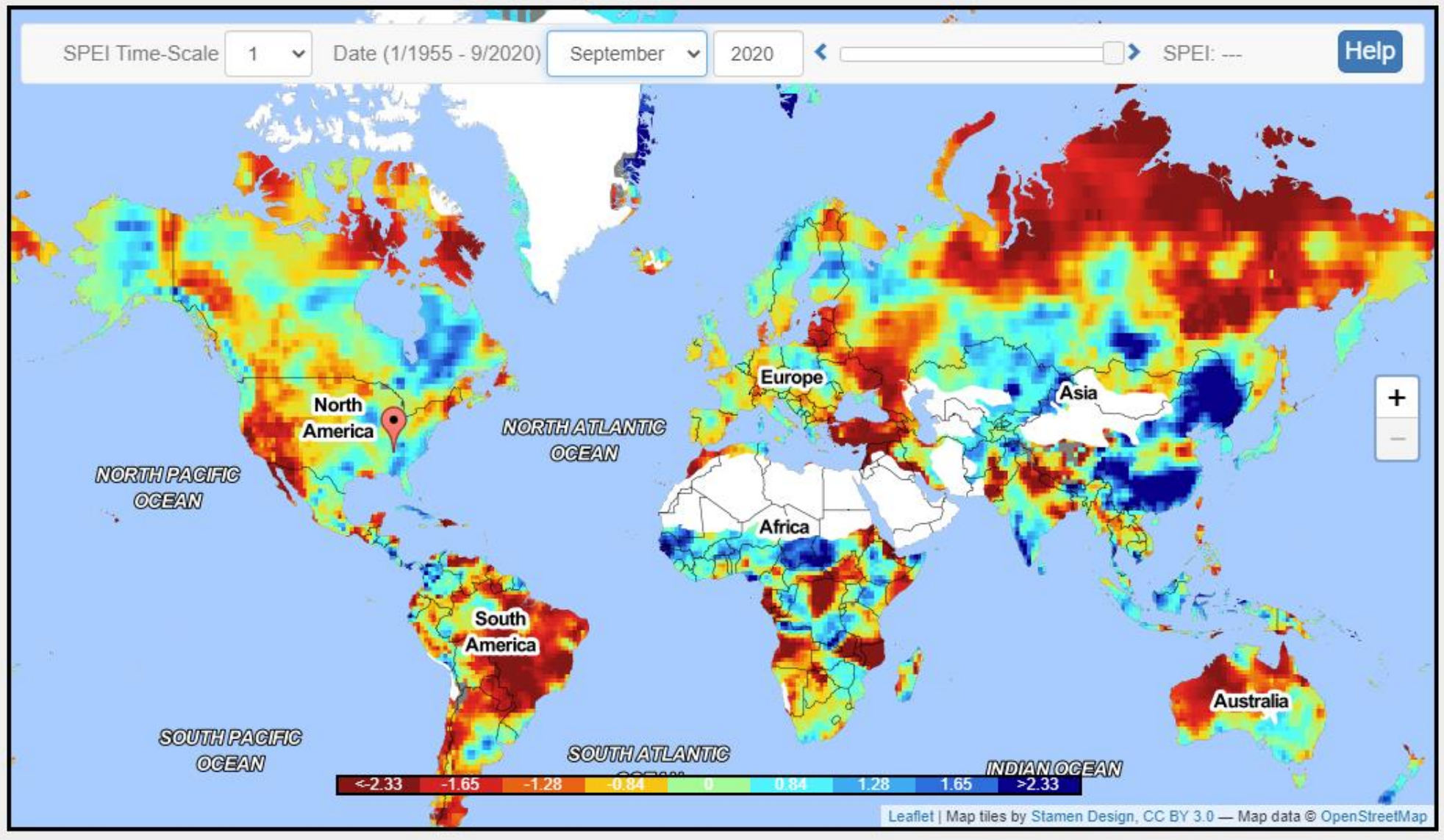
August 11, 2020



November 10, 2020



Iowa corn yield: August projection = 202.0 bpa (2.737 billion bu); November projection = 184 bpa (2.336 billion bu); 401 million bushel reduction (or about 3 x Tennessee's 2020 production)

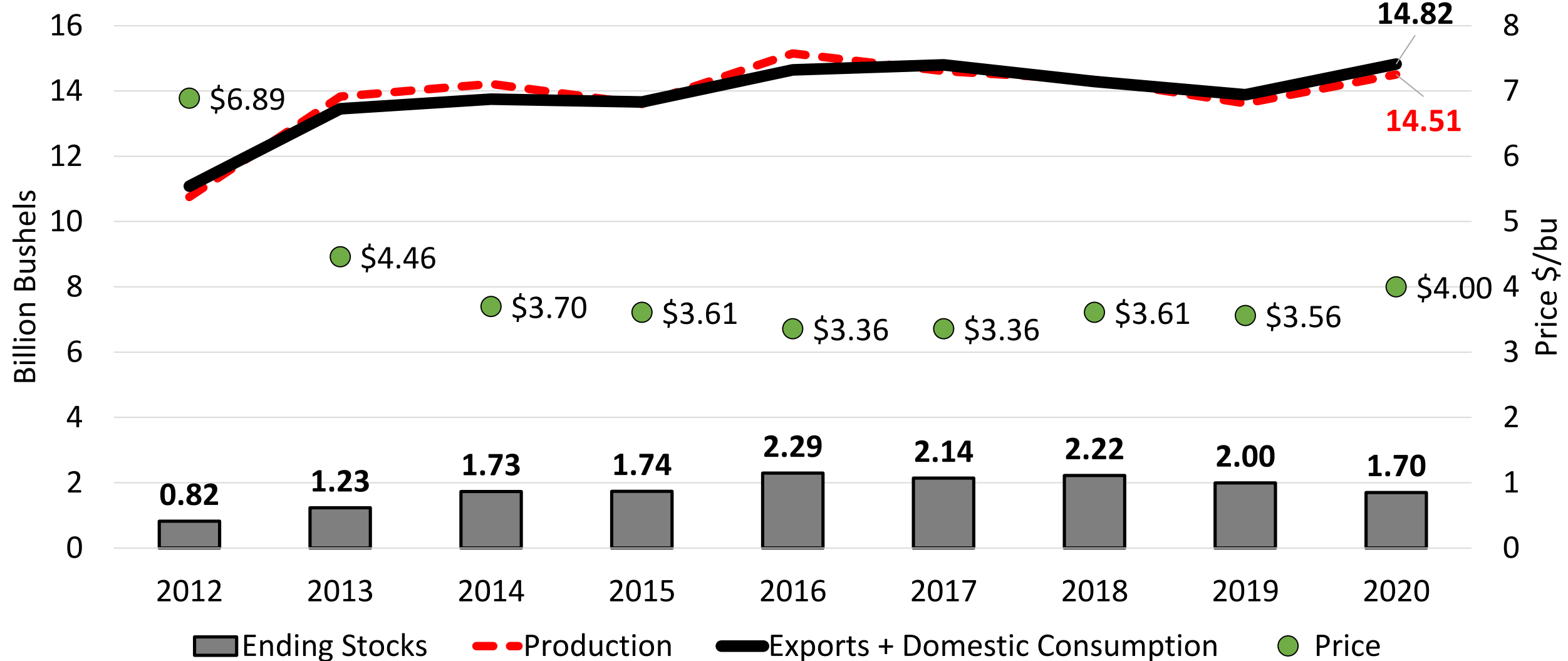


SPEI Global Drought Monitor (September)

<https://spei.csic.es/map/maps.html#months=0#month=8#year=2020>

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U.S. Corn Production, Use, Ending Stocks, and Price, 2012-2020



USDA Balance Sheet

Changes November- May

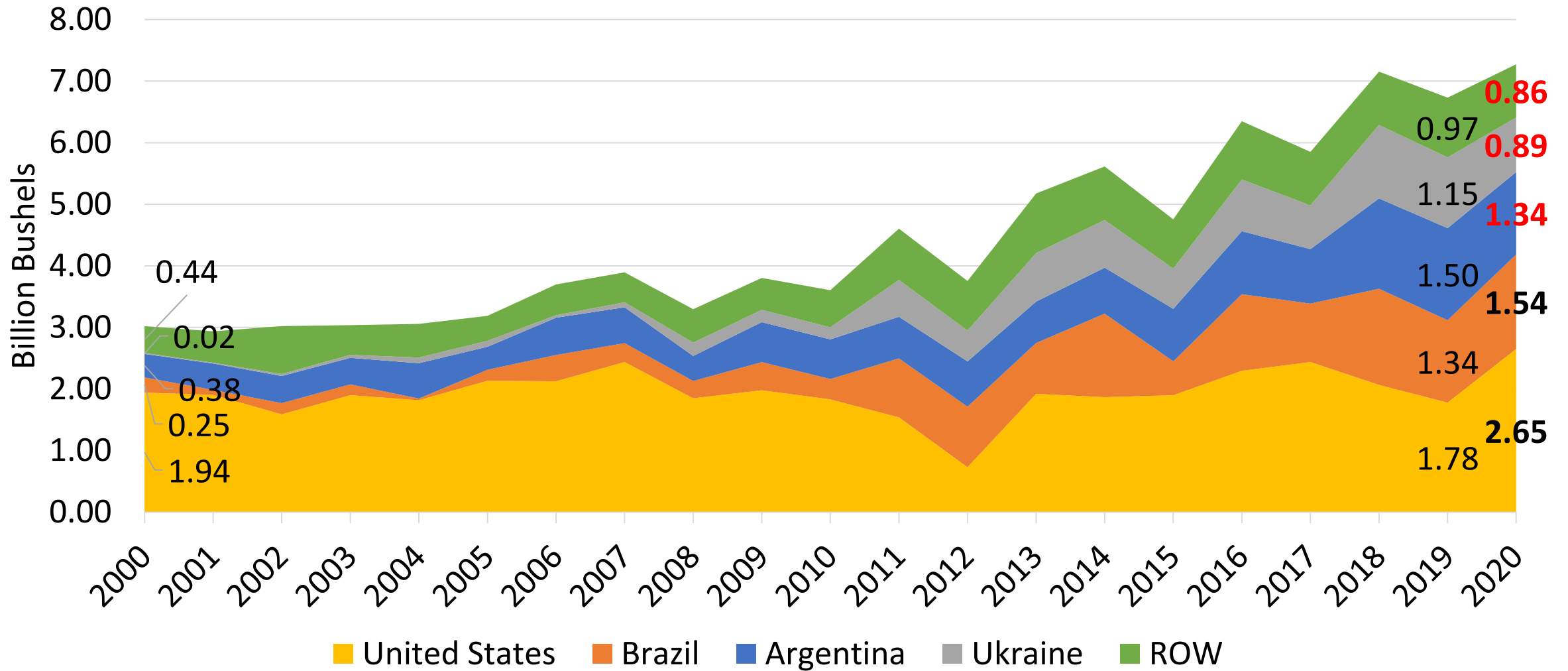
	2020/21 Projected May	2020/21 Projected November	Change
Planted (Million)	97	91	(6)
Harvested (Million)	89.6	82.5	(7.1)
U.S. Avg. Yield (Bu/Acre)	178.5	175.8	(2.7)
Beg. Stocks	2,098	1,995	(103)
Production	15,995	14,507	(1,488)
Imports	25	25	0
Total Supply	18,118	16,527	(1,591)
Feed and Residual	6,050	5,700	(350)
Ethanol	5,200	5,050	(150)
Food, Seed & Industrial	1,400	1,425	25
Exports	2,150	2,650	500
Total Use	14,800	14,825	25
U.S. Ending Stocks	3,318	1,702	(1,616)
Foreign Stocks	10,052	9,771	(281)
U.S. Avg. Season Price (\$/Bu)	\$3.20	\$4.00	\$0.80
U.S. Stocks/Use	22%	11%	(11%)

Change in USDA Estimates (November-May)

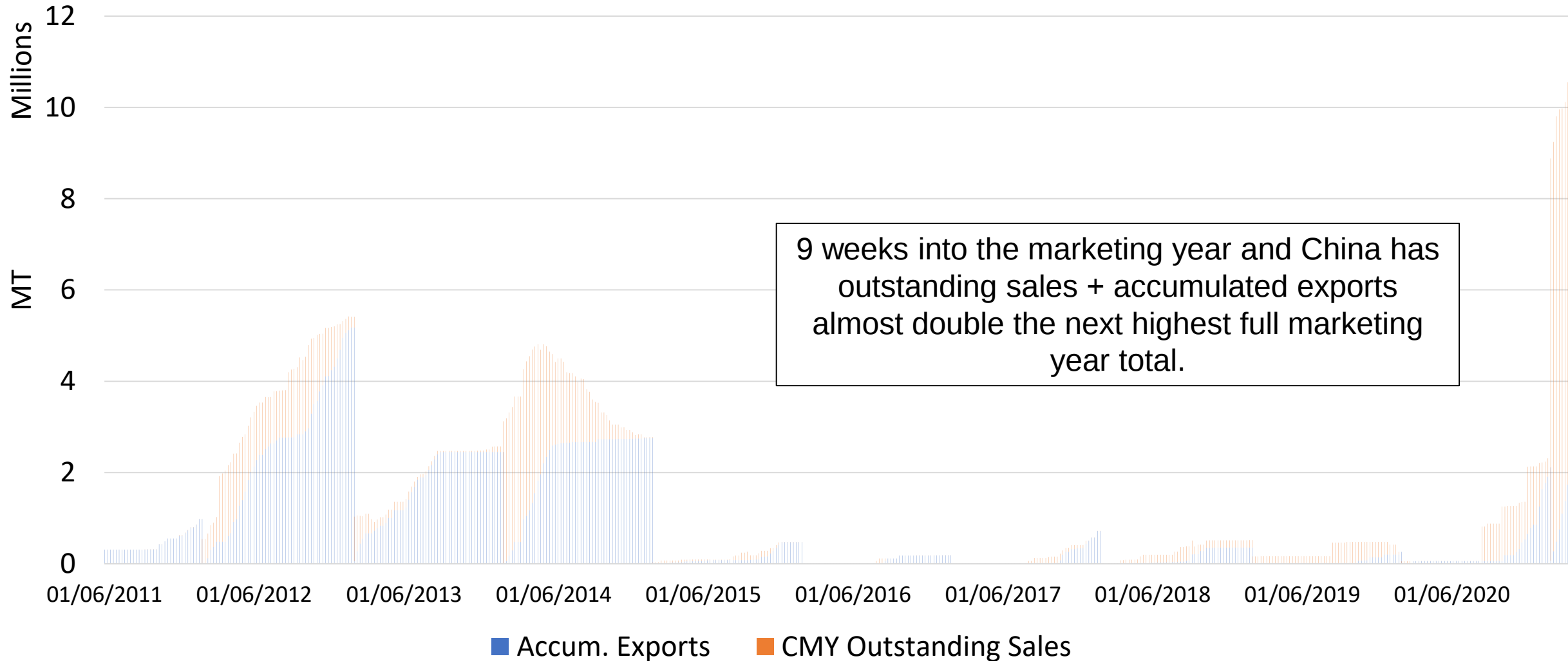
World Corn Supply and Use (Million Bushels) 2020/21 Current Month

Country / Region	Beginning Stocks	Production	Imports	Domestic Feed	Domestic Total	Exports	Ending Stocks
World	(449)	(1,663)	80	(130)	(213)	99	(1,897)
United States	(103)	(1,488)	0	(350)	(475)	500	(1,616)
Total Foreign	(345)	(174)	79	220	261	(401)	(281)
Argentina	(98)	0	0	0	(20)	0	(79)
Brazil	43	157	0	79	79	39	83
Russia	0	(20)	0	39	39	(51)	(7)
South Africa	(32)	79	0	16	20	20	7
Ukraine	20	(413)	0	35	35	(413)	(16)
Egypt	12	0	0	4	4	0	8
E.U.	(33)	(161)	(118)	(217)	(217)	(75)	(22)
Japan	(2)	0	0	4	2	0	(4)
Mexico	44	0	(39)	(51)	(51)	12	44
Southeast Asia	27	(2)	39	35	35	(3)	31
South Korea	4	0	8	8	8	0	4
Canada	20	(63)	28	8	0	0	(16)
China	(297)	0	236	276	276	0	(336)
ROW	(53)	249	(74)	(17)	51	70	21

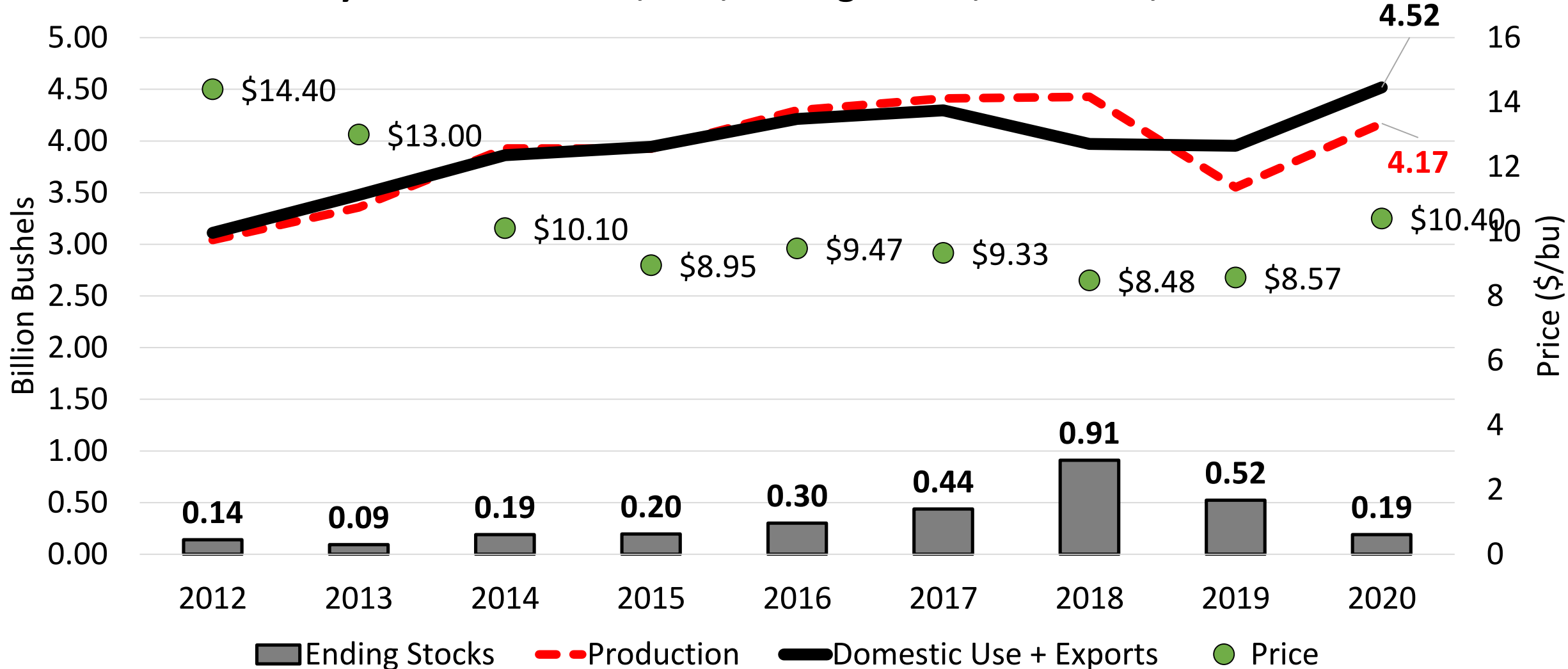
Global Corn Exports, 2000-2020



Corn Weekly Export Sales to China, 2011-2020



U.S. Soybean Production, Use, Ending Stocks, and Price, 2012-2020



USDA Balance Sheet

Changes November-May

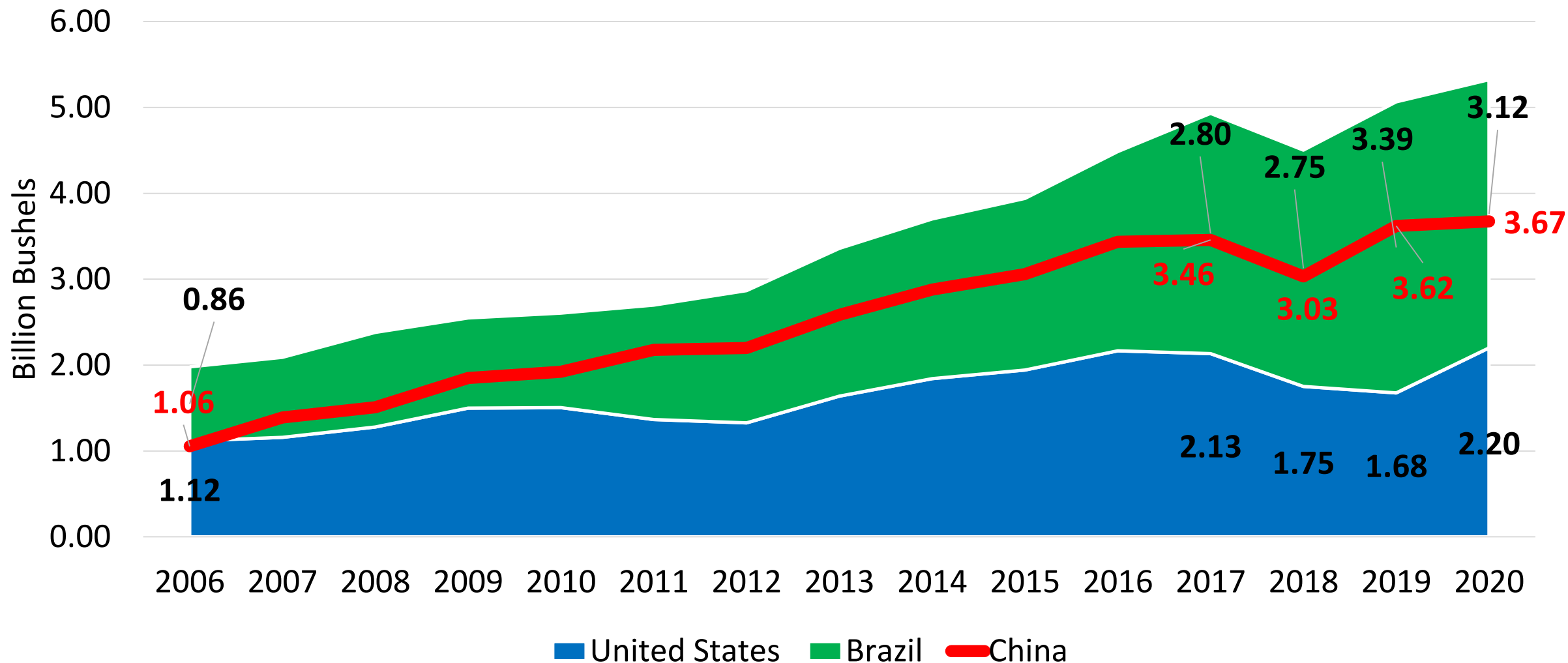
	2020/21 Projected May	2020/21 Projected November	Change
Planted (Million)	83.5	83.1	(0.4)
Harvested (Million)	82.8	82.3	(0.5)
U.S. Avg. Yield (Bu/Acre)	49.8	50.7	0.9
Beg. Stocks	580	523	(57.0)
Production	4125	4170	45.0
Imports	15	15	0.0
Total Supply	4720	4709	(11.0)
Crushing	2130	2180	50.0
Exports	2050	2200	150.0
Seed and Residual	135	138	3.0
Total Use	4315	4519	204.0
U.S. Ending Stocks	405	190	(215.0)
Foreign Stocks	3210	2989	(221.0)
U.S. Average Season Price (\$/Bu)	\$8.20	\$10.40	\$ 2.20
U.S. Stocks/Use	9%	4%	(5%)

Change in USDA Estimates (November-May)

World Soybean Supply and Use (Million Bushels) 2020/2021 Current Year

Country / Region	Beginning Stocks	Production	Imports	Domestic Crush	Domestic Total	Exports	Ending Stocks
World	(181.15)	(4.41)	270.80	297.26	304.97	216.42	(436.15)
United States	(56.59)	45.56	0.00	49.97	54.01	149.91	(215.32)
Total Foreign	(124.93)	(49.60)	270.43	247.29	250.96	66.14	(220.83)
Argentina	0.00	(91.86)	14.70	(110.23)	(110.23)	18.37	14.70
Brazil	(199.52)	73.49	9.19	18.37	16.53	73.49	(206.87)
Paraguay	(7.72)	0.00	0.00	0.00	0.00	0.00	(7.72)
China	57.69	0.00	146.97	220.46	220.46	0.00	(15.80)
E.U.	(0.73)	5.51	18.37	40.42	42.26	1.84	(20.94)
S.E. Asia	1.84	0.00	31.60	29.39	29.76	0.00	3.31
Mexico	0.00	(1.84)	0.00	0.00	0.00	0.00	(1.84)
ROW	23.88	(35.27)	49.97	48.87	52.18	(27.19)	14.33

Brazil and US Exports, China Imports, 2006-2020

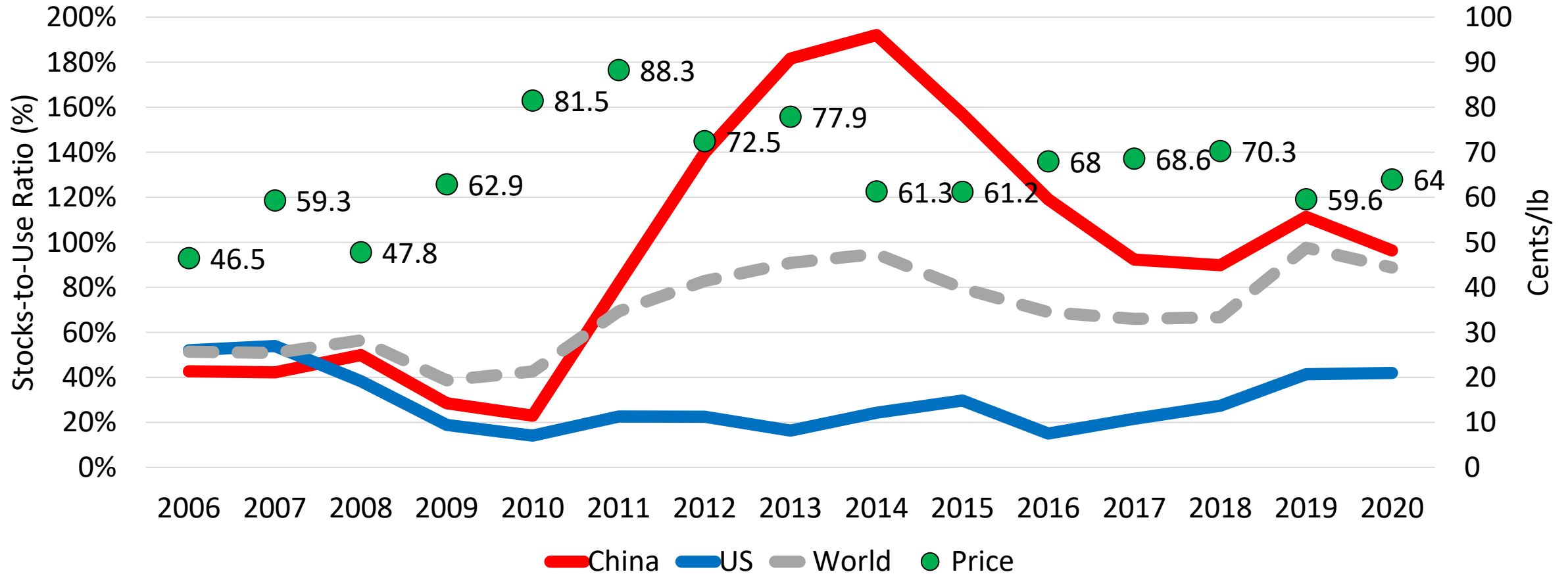


Soybean Weekly Export Sales to China, 2011-2020



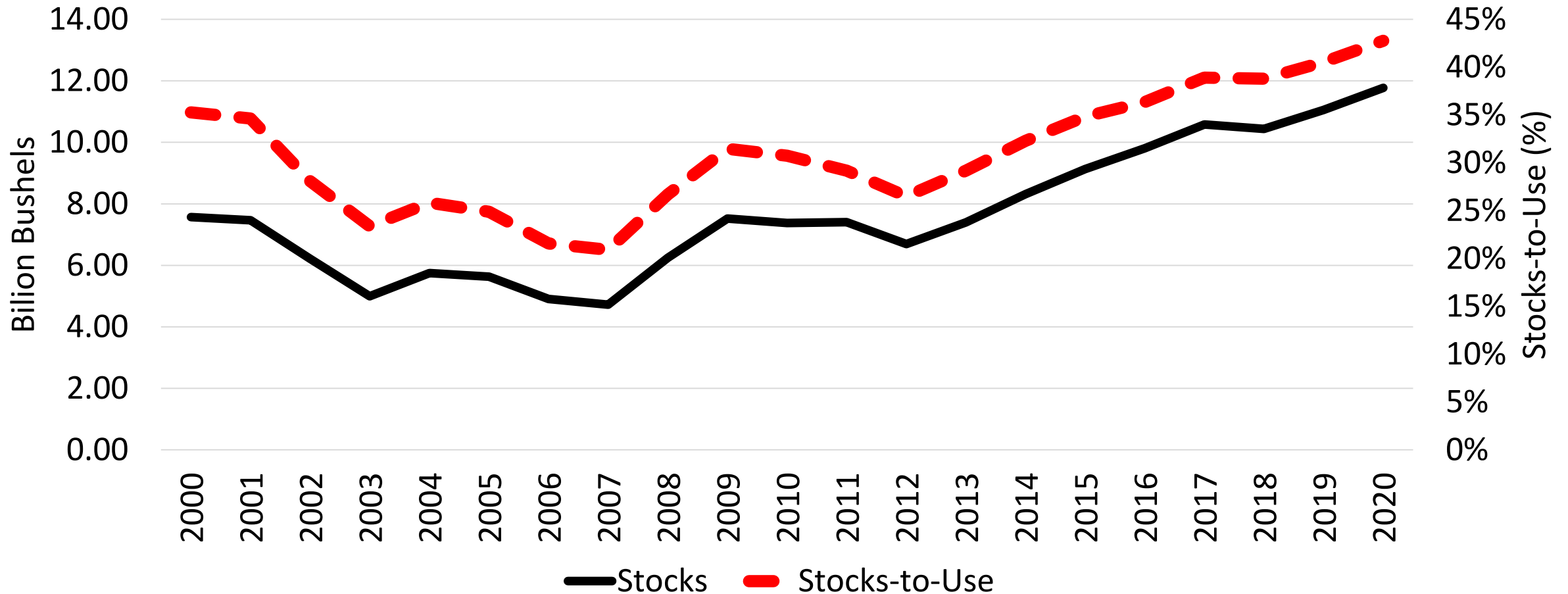
One Cotton Slide

Cotton Stocks-to-Use Ratio and U.S. Upland Price, 2006-2020



One Wheat Slide

Global Wheat Stocks and Stocks-to-Use, 2000-2020

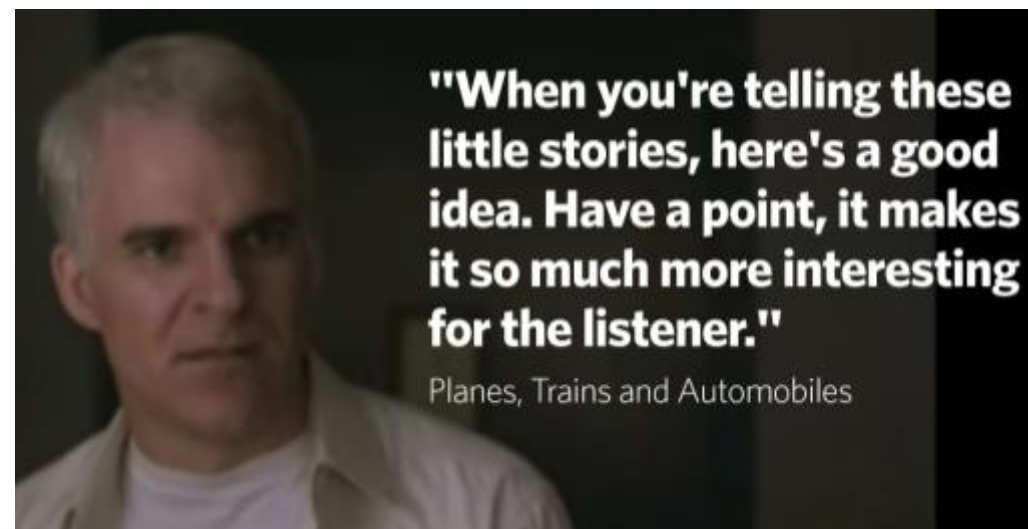


Moving Forward

- Old crop bullish trend in corn and soybeans will depend on South American crop progress and China purchases.
- New crop prices currently favors: soybeans>corn>cotton, lots of time between now and planting.
- Implications from the election on Farm policy.

Take Home

- There is no crystal ball - prices could go higher – but they could also decline.
 - Old crop: \$11.50 and \$4.25 futures + basis plus government payments will equal profit for most Tennessee producers. (if you average \$10.50/\$4.00 you did good)
 - New crop wheat: sales of up to 50% of 2021 production when July futures are >\$6.
 - New crop corn and soybeans: Start pricing with harvest futures over \$4.00 and \$10.25.
 - New crop cotton: Current price offerings are not competitive with corn and soybeans. Need to hold out for at least 74 cents on the December contract.



Dr. S. Aaron Smith Associate Professor and Extension Economist
Department of Agricultural and Resource Economics
University of Tennessee Institute of Agriculture
Email: aaron.smith@utk.edu
Web Page: <https://cropeconomics.tennessee.edu/>

THANK YOU