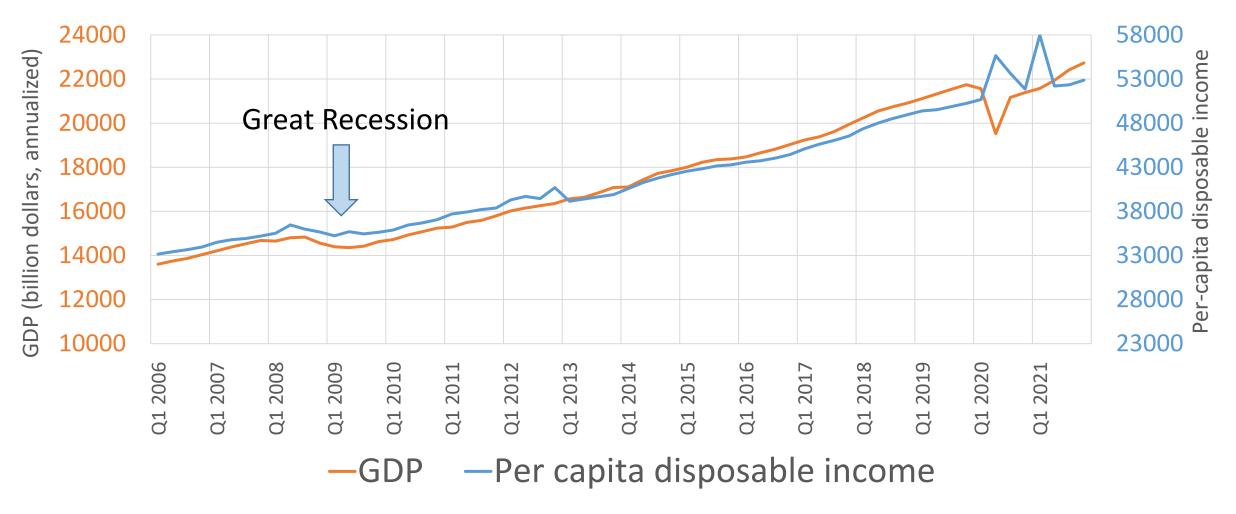


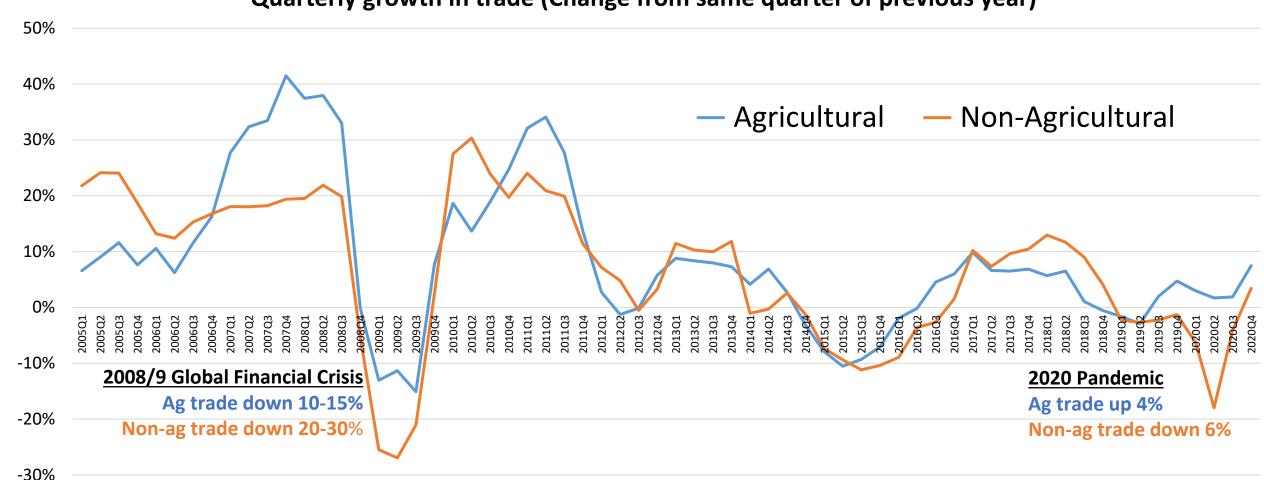
U.S. GDP and Disposable Income moved in opposite directions in 2020 and may unwind in 2021



Global trade quarterly growth rates

Fluctuations in agricultural trade under global pandemic appear modest

Quarterly growth in trade (Change from same quarter of previous year)



Source: USDA-OCE/Virginia Tech

COVID-19 drove wedge between farm & consumer prices percent change from one year ago

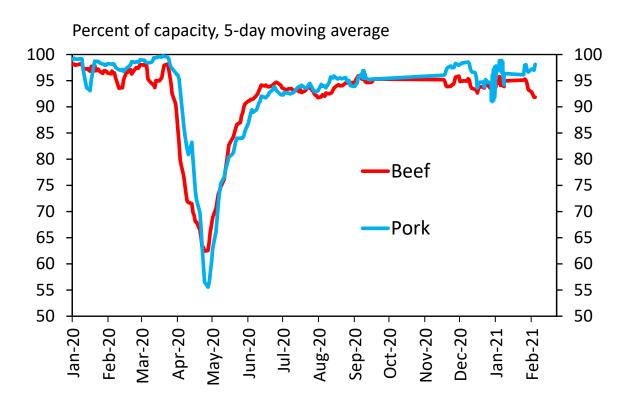


Source: U.S. Bureau of Labor Statistics U.S. PPI Farm products

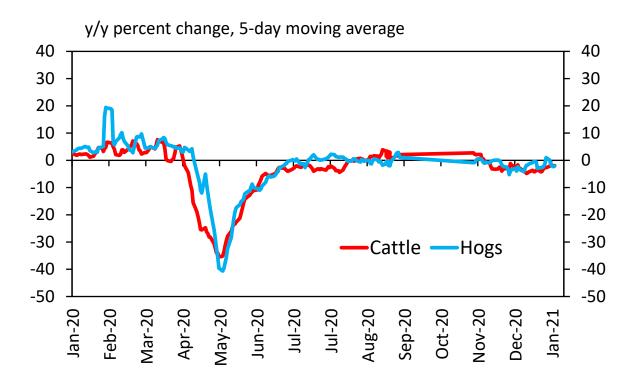
—U.S. CPI Food

A drop in beef and pork plant capacity utilization was followed by a return to near normal

U.S. Beef and Pork Plant Capacity Utilization



Daily Cattle and Hog Slaughter

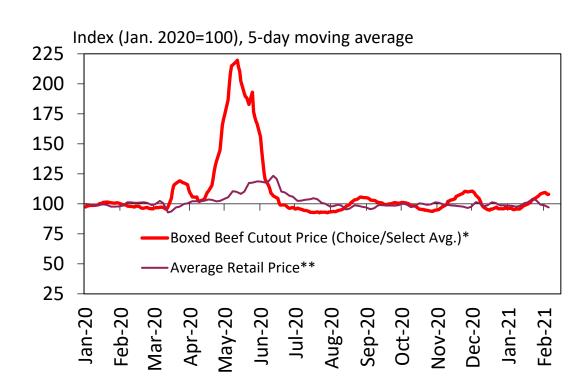


Note: Excludes weekend operations. Adjusted to account for holiday operations.

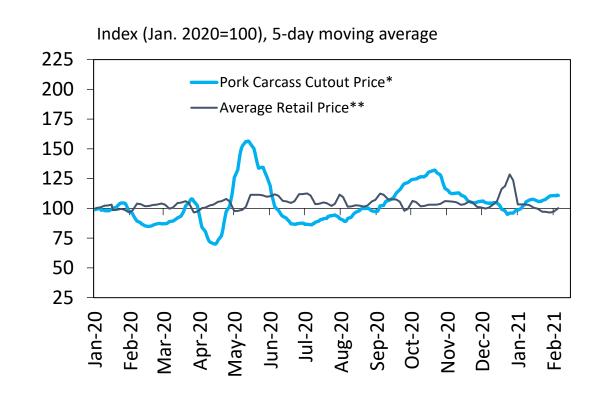
Sources: USDA, National Pork Board, and KC Fed Calculations

Temporary divergence in wholesale and retail beef and pork prices

Wholesale and Retail Beef



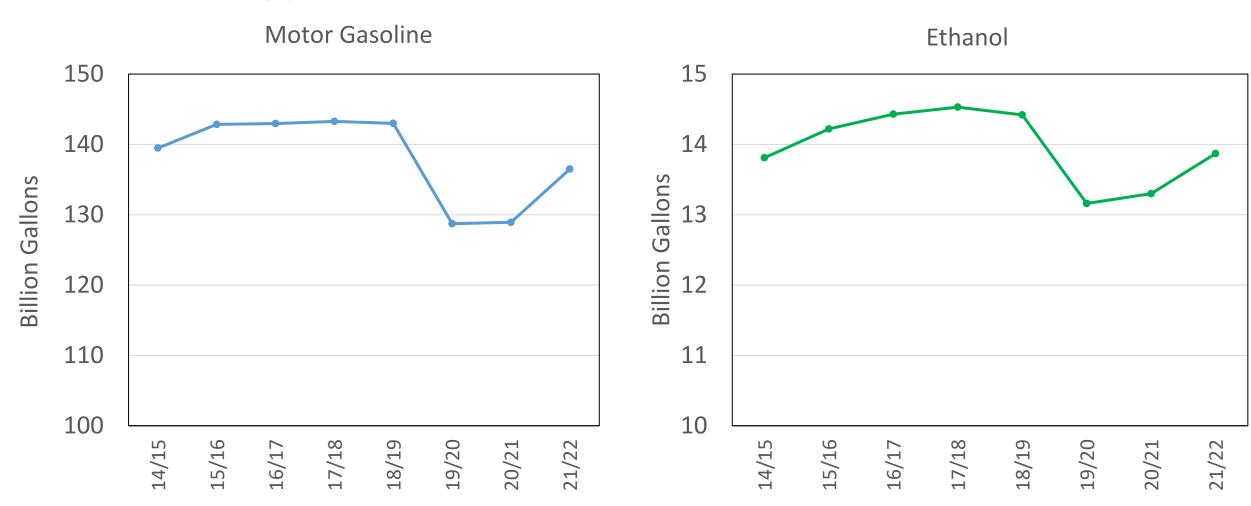
Wholesale and Retail Pork



^{*}Beef: negotiated prices and volume of boxed beef cuts delivered within 0-21 days and on average industry cutting yields. Pork: negotiated prices and volume of pork cuts delivered within 14 days and on average industry cutting yields.

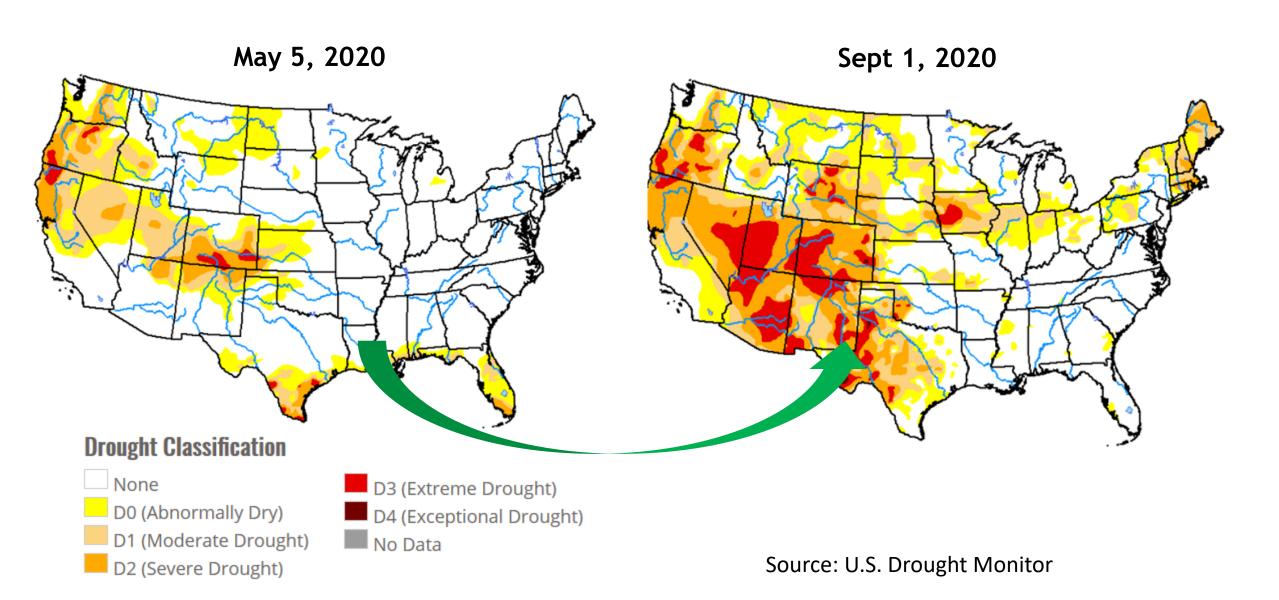
^{**}Based on weekly national average of advertised prices, weighted based on carcass composition and interpolated to daily average **Source:** USDA and KC Fed calculations.

U.S. Motor Gasoline and Ethanol Domestic Use corn marketing year



Source: EIA, USDA

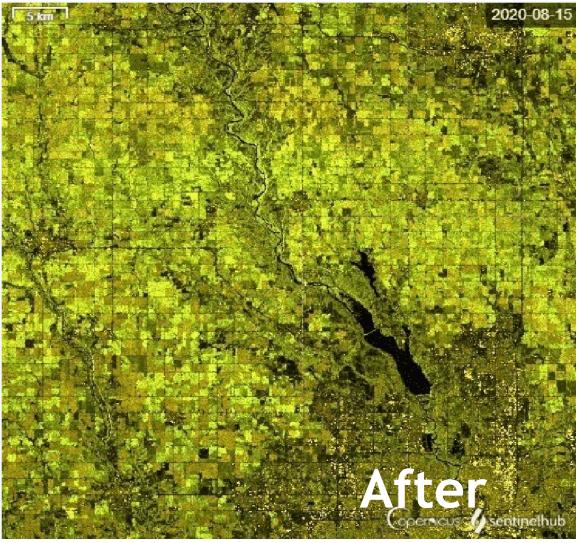
Drought/dry conditions expand



Derecho as seen by Synthetic Aperture Radar (SAR)

NASAharvest.org Iowa derecho impact analysis



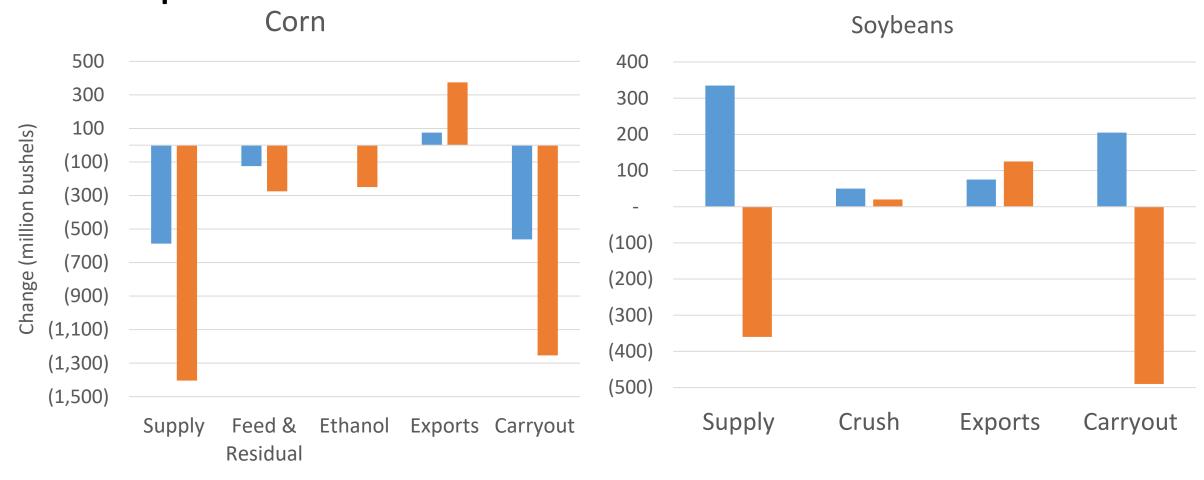


U.S. corn & soybean prices have been surging





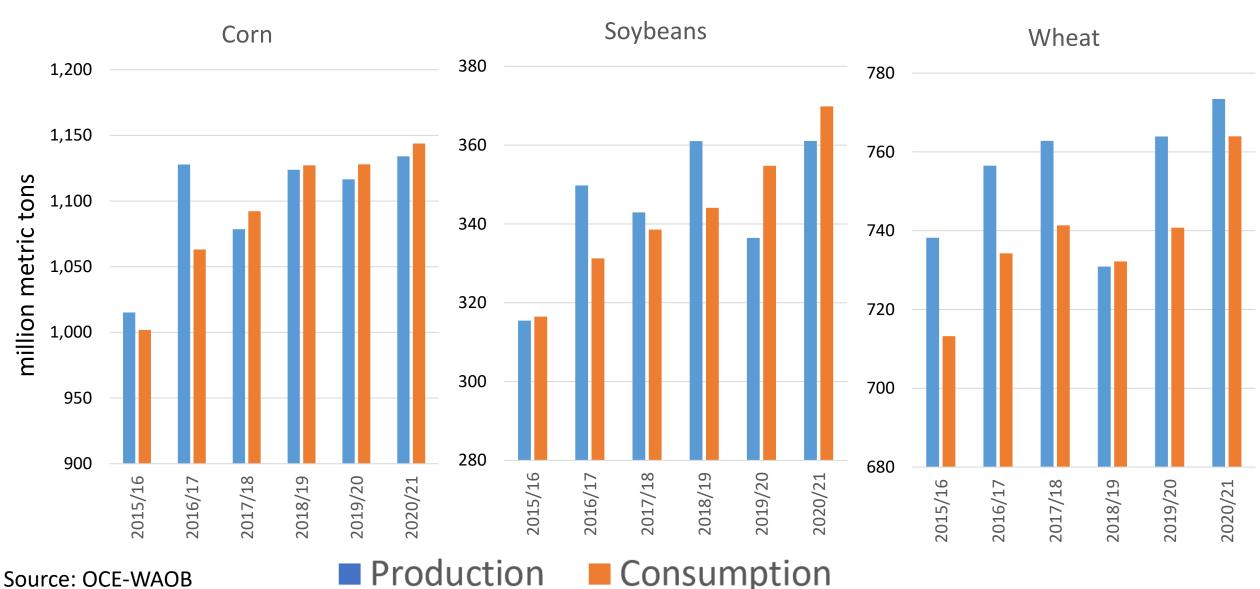
Soybean and corn export demand expands even as the crop size shrinks



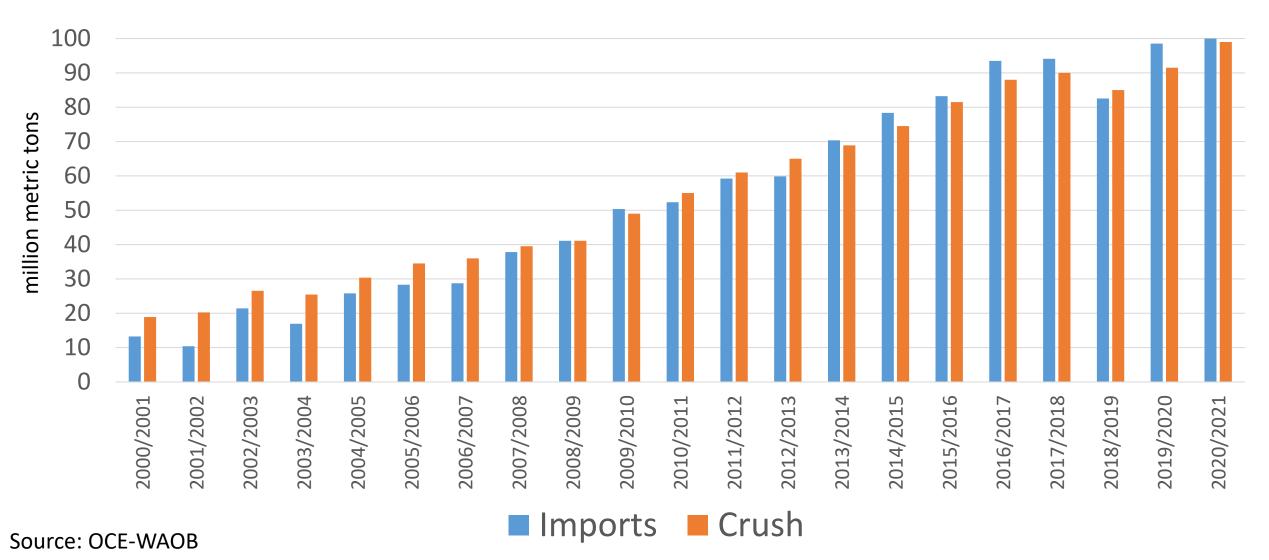
May to August

August to February

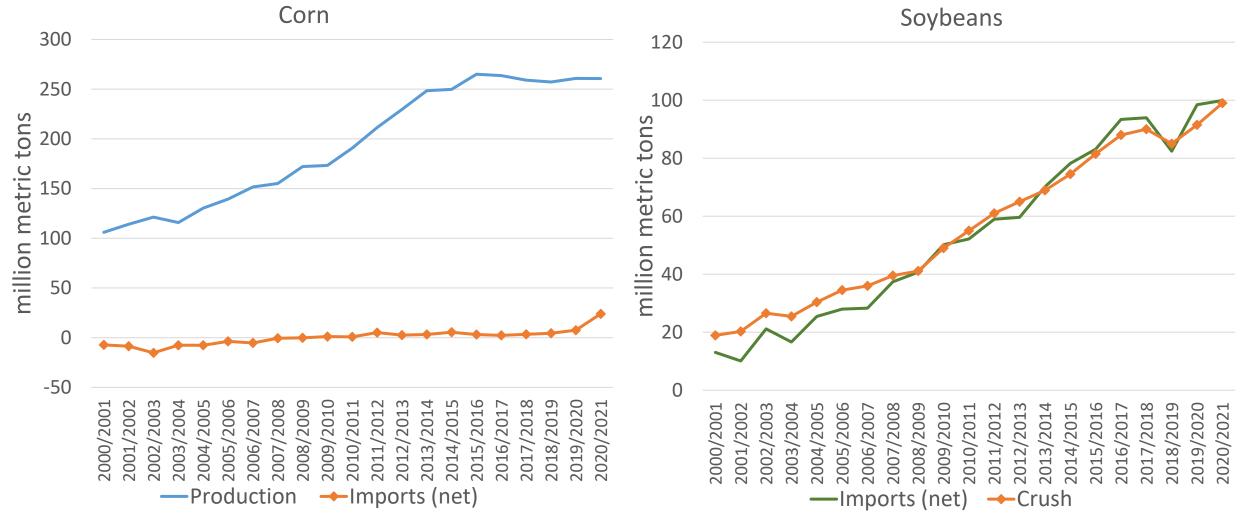
Global crop supplies have tightened



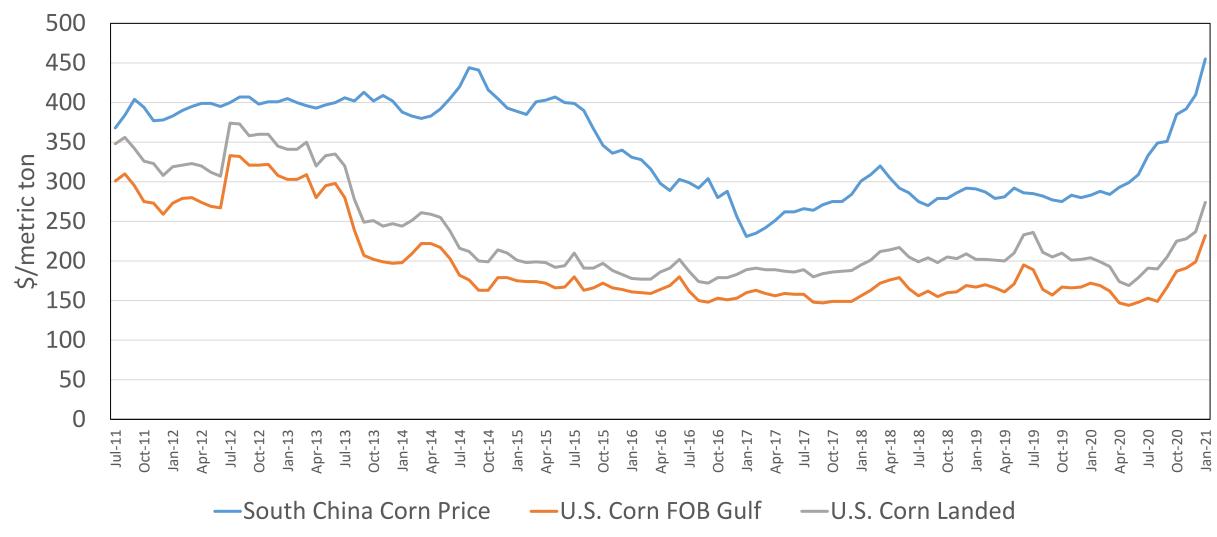
Chinese soybean imports and crush suggest a strong turn around in their hog herd



China's corn and soybean trade (and trade dependence)

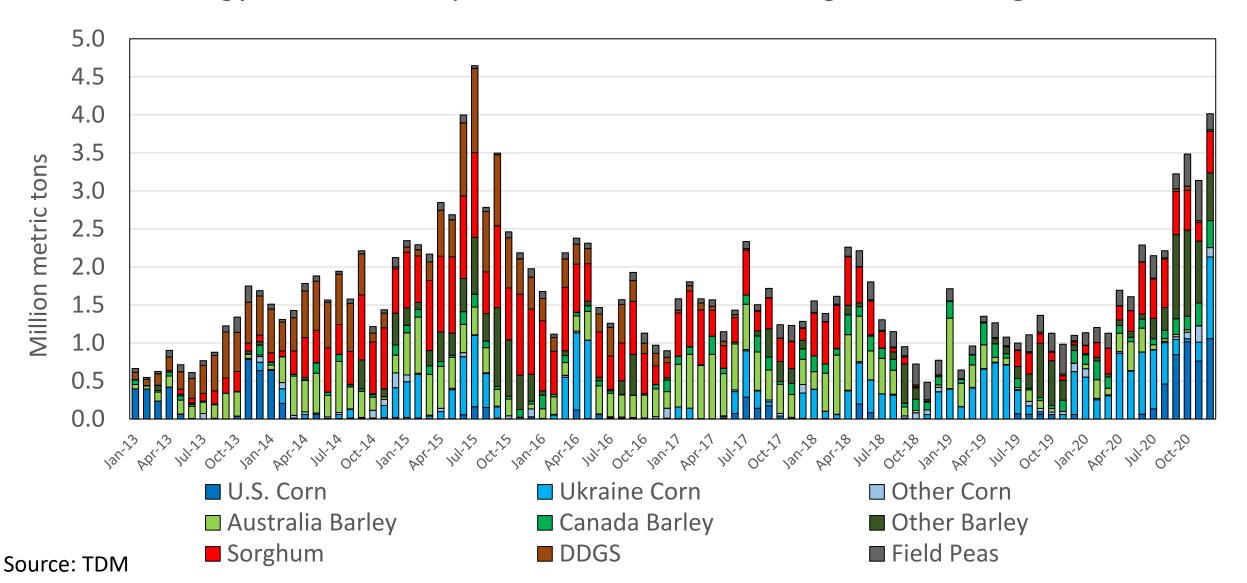


China's domestic corn prices surge boosting import margins



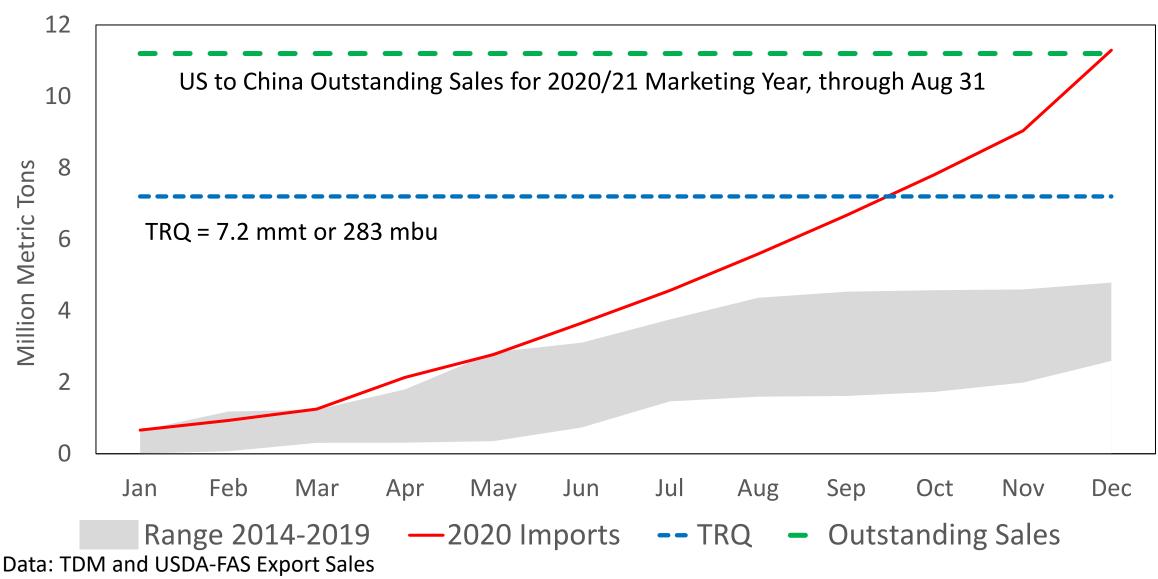
Source: CNGOIC and USDA *Landed does not include VAT or tariff.

China Energy Feedstuff Imports Forecast Record High, Exceeding 2014/15



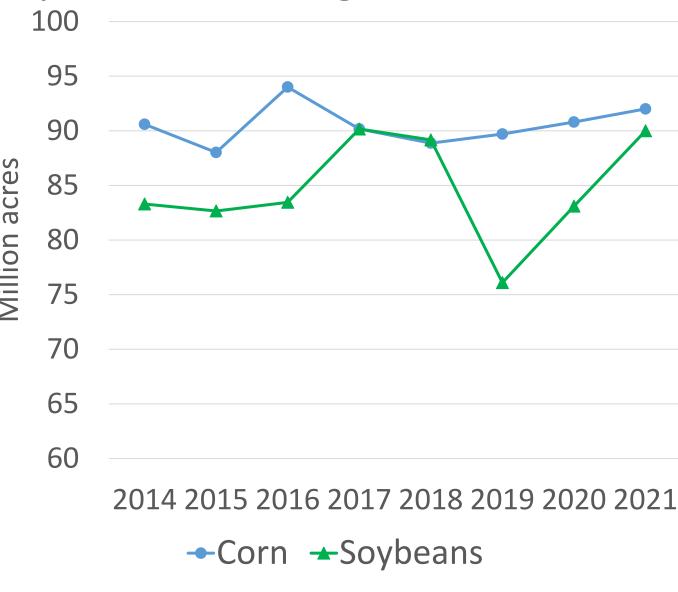
China's Corn Imports Exceeded TRQ For First Time in 2020

more on the books just from the US than total TRQ for 2021



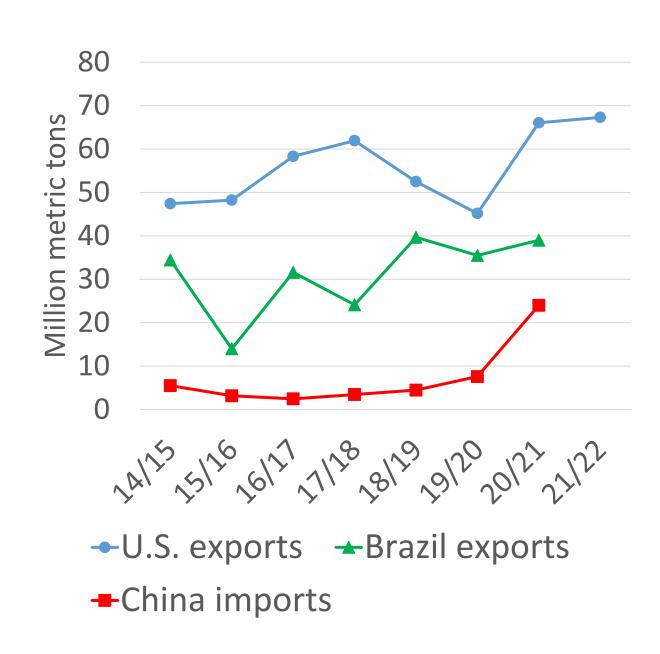
U.S. corn and soybean planted acreage

- In both 2019 and 2020 area considered 'prevent plant' was above average
- Simply going back to normal planting weather would increase total planted acres by several million acres
- Forecast prices, would further incentivize expanded acreage. Corn and soybean area expected to be a combined record 182 million acres



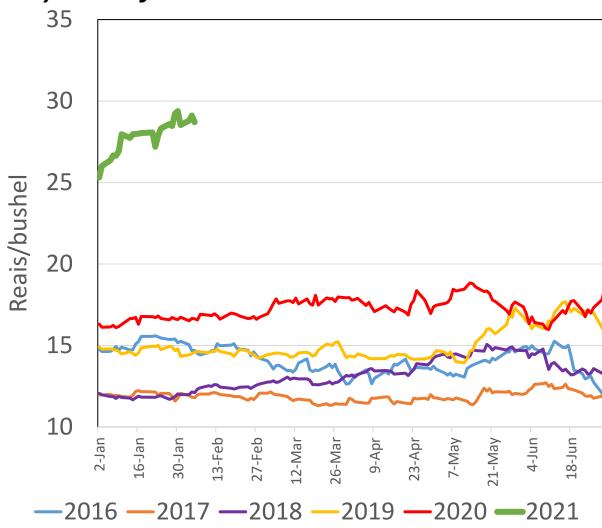
Corn exports

- China strong corn import demand expected to continue to support solid US exports
- Brazil's *safrina* corn area is up, but late planting limits yield prospects.
- Current phytosanitary restrictions in place by China on Brazilian corn is expected to reduce U.S. market share in key traditional export markets during the summer/fall.

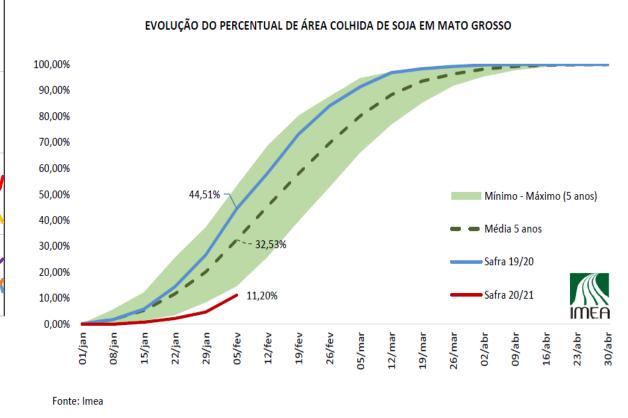


Local price strength leading to record Brazil corn area

July corn futures in Reais



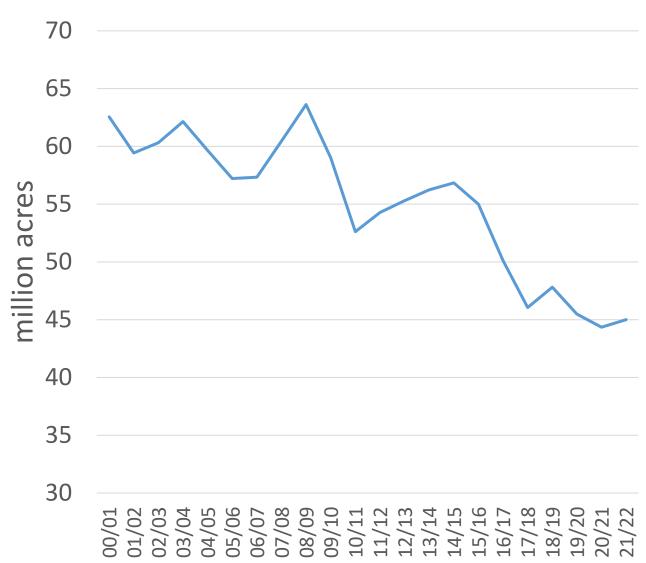
Slow soybean harvest in Brazil means delayed planting of the safrina corn crop



Source: CME, St. Louis Federal Reserve Economic Database

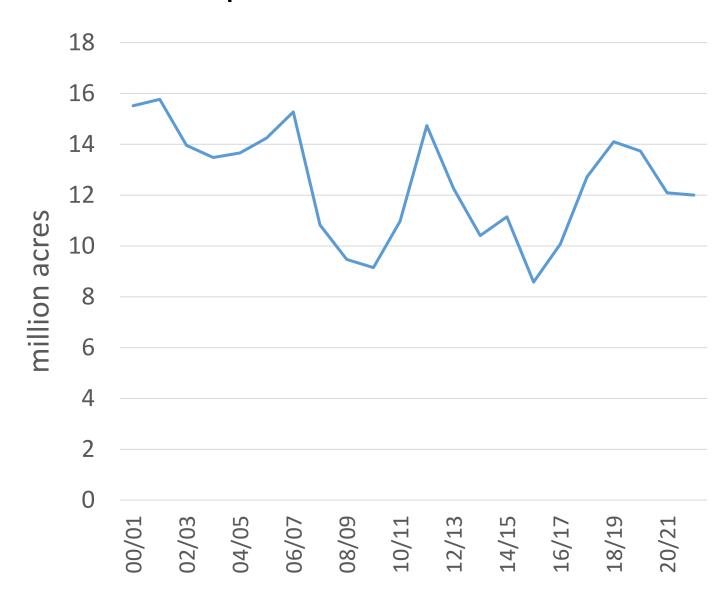
U.S. wheat planted acres continue to decline

- Wheat area has declined as gains in corn and soybean productivity push into wheat area
- Wheat area expected to rise slightly, off the lowest area on record last year.
- Winter wheat harvested area remains a question given prolonged dryness and recent extreme cold temperatures.



- Cotton planted area held in check by better returns in other crops and despite what are historically strong cotton prices.
- Cotton area harvest remains in question given persistent dryness in some major cotton areas.

U.S. cotton planted area to remain flat

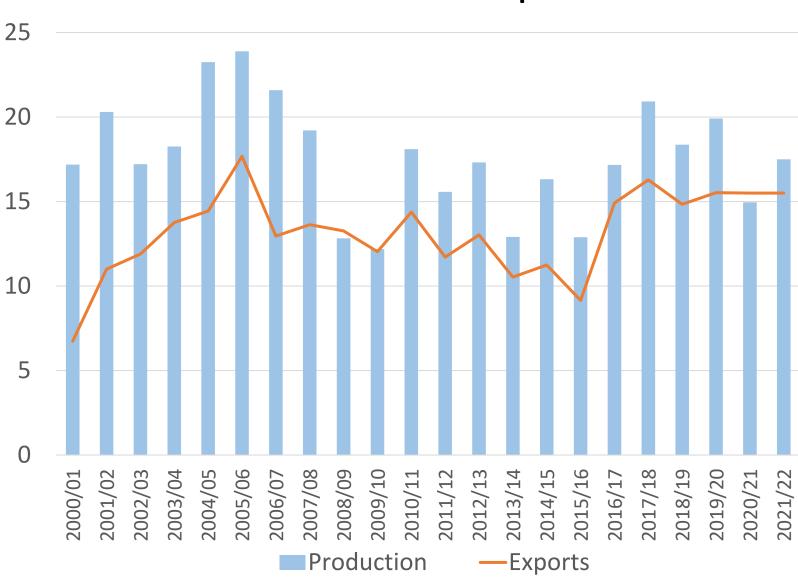


U.S. cotton exports

- Cotton stocks fell last year on a smaller crop and solid exports
- Cotton demand held up well in total and relative to other fibers in 2020

million bales

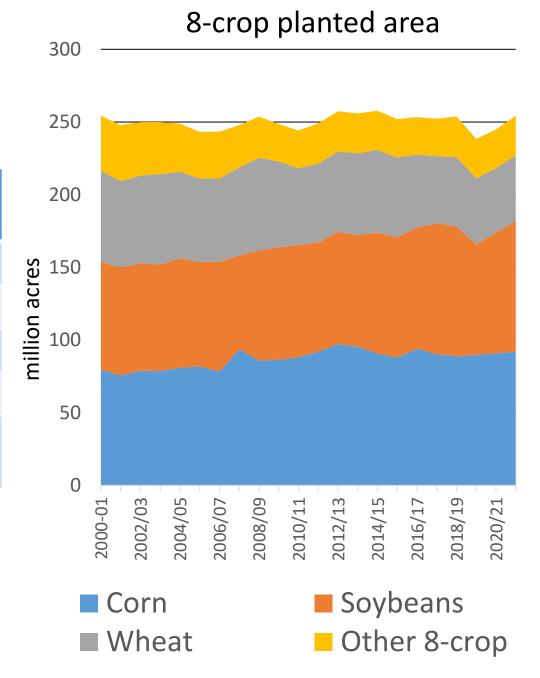
Despite the projected larger crop, carryout stocks are expected to tighten further



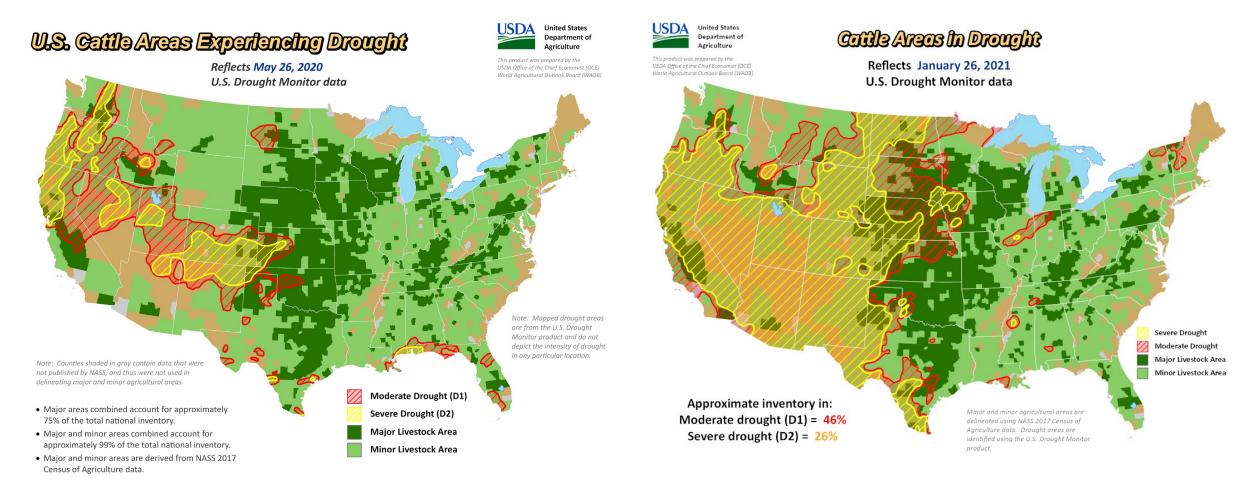
U.S. crop prices and area

Prices (\$/unit)

		2015/16 to 2019/20 avg	2020/21	2021/22
Corn	5.29	3.50	4.30	4.20
Soybeans	12.26	8.96	11.15	11.25
Wheat	6.71	4.65	5.00	5.50
Rice	14.40	12.34	13.40	13.60
Upland Cotton	76.3	65.5	68.0	75.0



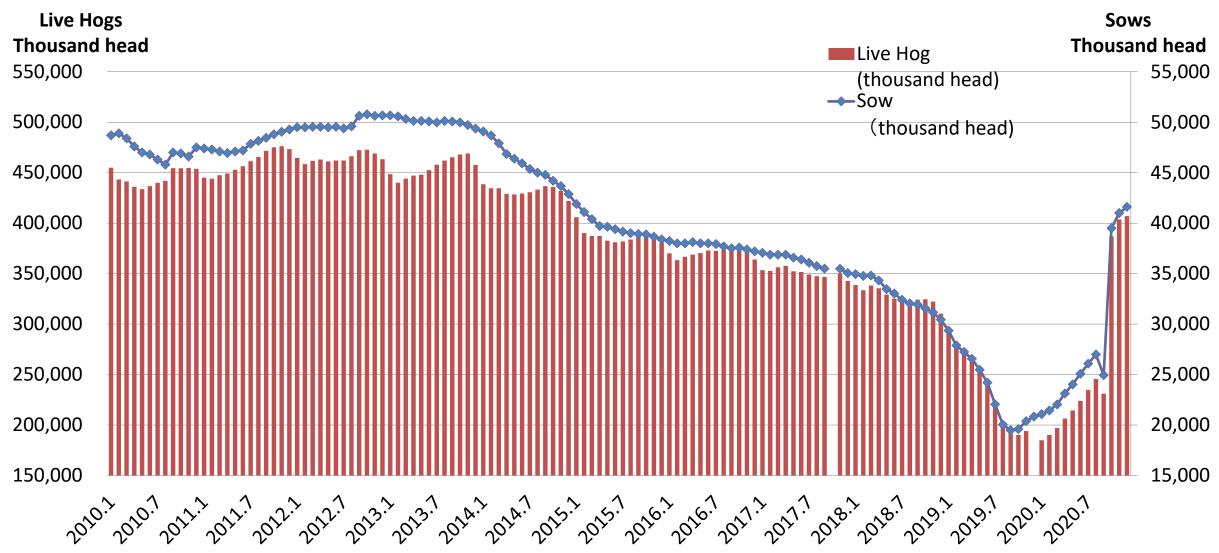
Supplies of forage may be an issue for cattle given prior dry conditions and current heavy feeding needs during cold



Livestock prices

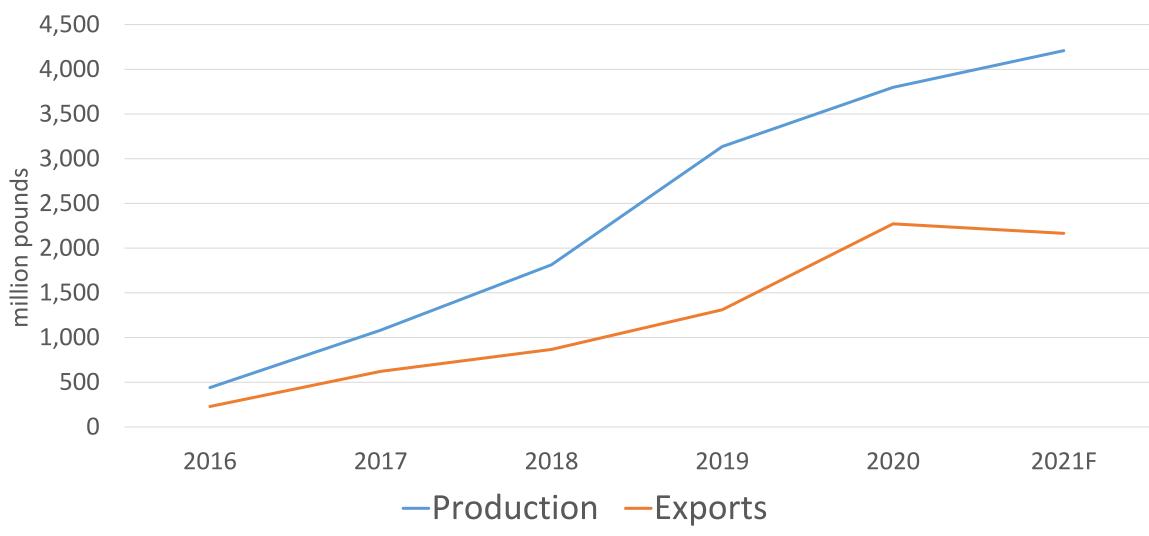
	2016	2017	2018	2019	2020	2021f
	dollars per hundredweight					
Cattle	120.86	121.52	117.12	116.78	108.51	115.00
Hogs	46.16	50.48	45.93	47.95	43.18	50.50
	cents per pound					
Broilers	84.3	93.5	97.8	88.6	73.2	84.5
Turkeys	117.1	96.1	80.2	89.2	106.5	110.8
			cents p	er dozen		
Eggs	85.7	100.9	137.6	94.0	112.2	111.8

China's Live Hog and Sow Inventories

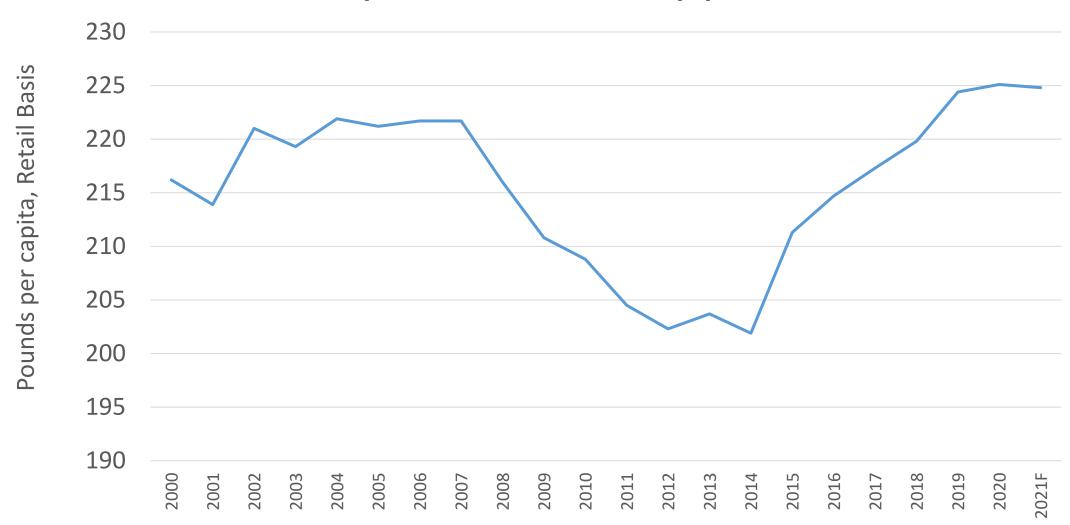


Source: MARA, USMEF

Pork export strength continues to absorb production growth (growth since 2015)

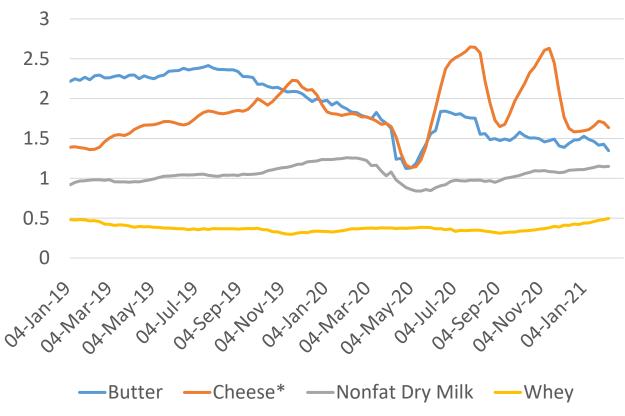


U.S. Per-Capita Meat Disappearance



Considerable Dairy Product Price Volatility





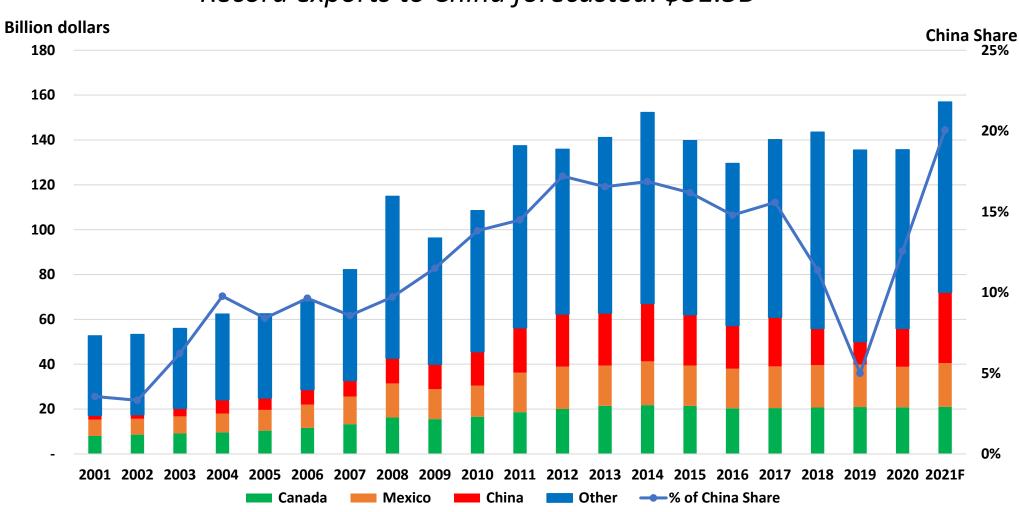
	2019	2020	2021F
Butter (\$/lb)	2.2431	1.5808	1.455
Cheese (\$/lb)	1.7586	1.9236	1.695
Nonfat Dry Milk (\$/lb)	1.0419	1.0417	1.125
Whey (\$/lb)	0.3799	0.3621	0.480
All Milk (\$/lb)	18.63	18.30	17.15

Source: AMS-NDPSR Source: OCE-WAOB

^{*}Weighted Average Blocks and Barrels

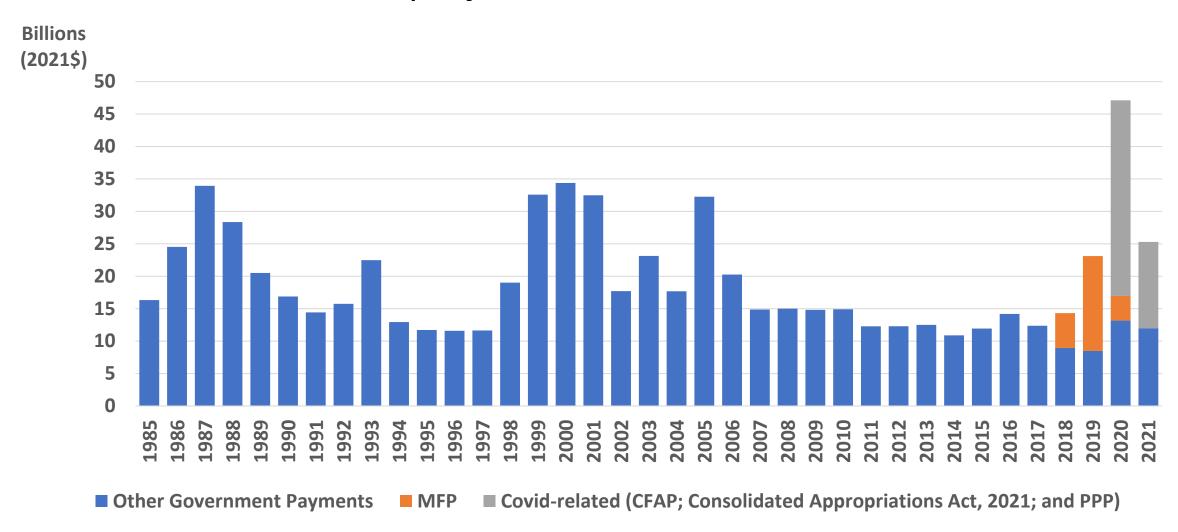
U.S. Ag exports forecast up in FY2021 to a record \$157B on strong China demand

Record exports to China forecasted: \$31.5B



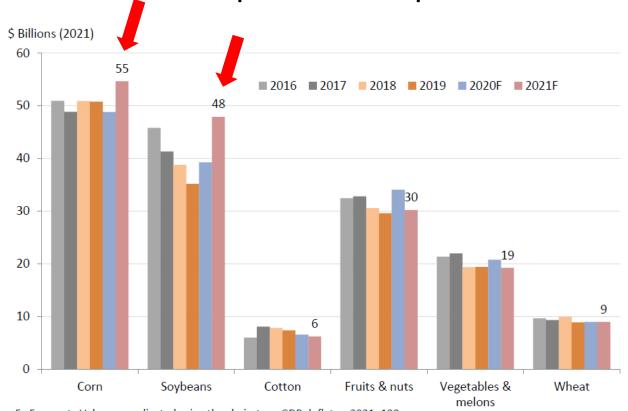
Data: USDA

Total government payments increased as a result of adverse circumstances but are projected to fall in 2021



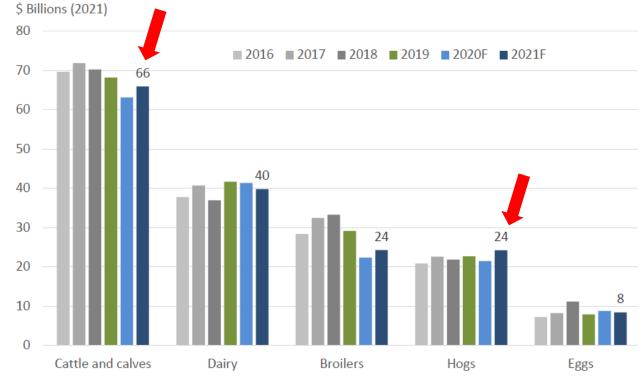
Corn, soybeans, cattle and hogs push receipts higher and drive the \$20.4 billion dollar increase in receipts

crop cash receipts



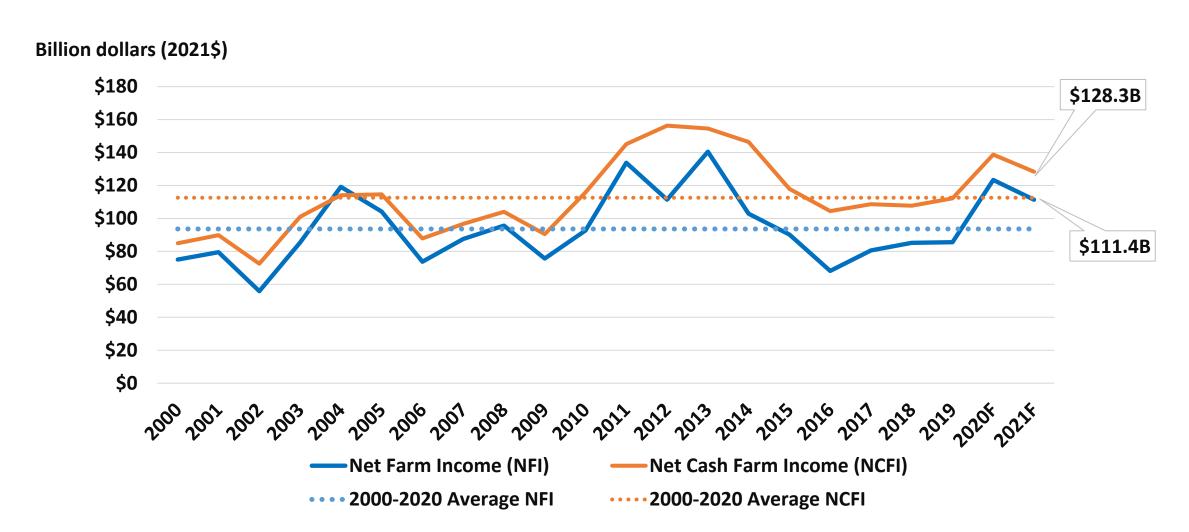
F= Forecast. Values are adjusted using the chain-type GDP deflator, 2021=100 Source: USDA, Economic Research Service, Farm Income and Wealth Statistics Data as of February 5, 2021

livestock and dairy cash receipts



F= Forecast. Values are adjusted using the chain-type GDP deflator, 2021=100 Source: USDA, Economic Research Service, Farm Income and Wealth Statistics Data as of February 5, 2021

Net cash farm income and net farm income are forecast to decrease in 2021



Data: USDA-ERS

Outlook is positive - Uncertainties remain

- GDP expected to rebound, disposable income less certain.
- Supply chain disruptions have moderated, at some cost.
- Prospects for crops supported by solid domestic demand continued strong exports.
- Livestock outlook supported by continued strong domestic demand and stable exports.
- Trade, particularly to China, a key element for 2021.
- Good dairy demand but large product stocks.
- Receipts from the market replacing ad-hoc assistance.
- Weather will have the last say on supplies.

Visit the OCE website for the latest USDA commodity reports and Agriculture Outlook Forum information @ www.usda.gov/oce

Questions? Seth.Meyer@usda.gov

USDA's 97th Annual Agricultural Outlook Forum: February 18-19, 2021



USDA A			Crop	Progress
Sec. Co				-
ISSN: 1948-3007				
SSN: 1946-AVV				
Released September 16, 2019, b Department of Agriculture (US		Statistics Service (XASS), A	Agricultural Statistics Board	United States
behavious as observed in	ent).			
Corn Dough - Selected	States			
These 18 States planted 92% of	the 2018 com acreage)			
Date	September 15.	Week ending September 8.	Decremoer 15.	2014/2018
96	Deptember 15, 2018	2019 2019	Deptember 15, 2019	Average
	(percent)	(percent)	(petient)	persent)
Catorado	97	10	94	
Brok	100	88	14	10
Indiana	100	62 91	10	:
Carrier	96	96	97	
Kardycky	94	10	15	
Microgan	94	69	10	
Minneuro Missouri	100	90	96 100	10
Natrocka	100	90	100	10
North Carolina	100	100	100	10
North Daniela	99	87	92	
Onto	99	15	1 1	:
Pennsylvania South Dakita	100	79	54	1
Tennessee	100	100	100	10
Texas	97	100	100	9
Wildowski	95	72	78	•
18 States	99		93	
Corn Dented - Selecter These 18 States planted NPs of				
THESE TO DISPRE JUSTICAL PLANTS	ne zone com kurenje;	Trees ending		
State	September 15.	September 8.	September 15,	2014-2018 Average
	2018	2019	2019	Alberta
	(percent)	(percent)	(peten)	(persent)
Colorado	64	44	61	
Indana Indana	99	10	67	1
ting.	10 10	40	74	
Carried	93	80	68	i
Kantucky	13	85	91	,
Microgani Microgani	78	26	41	1
Missouri	91	42 72	80	;
Radiraska	91	70	82	
North Carolina	99	96	97	,
North Dakota	91	25	36	2
	82 77	29	74	,
ONE	94	26	10	i
Decorporate			97	
One Pennsylvania South Davids	99			
One	96	94	97	
One Pennsylvania South Davids		94 31	97 66	;

