Overview of the Ag Economy

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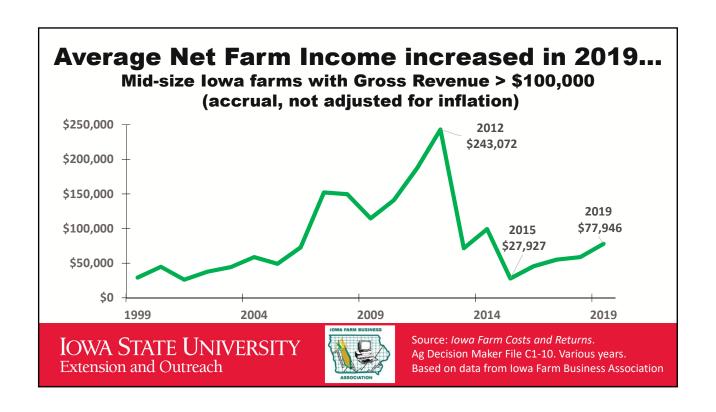
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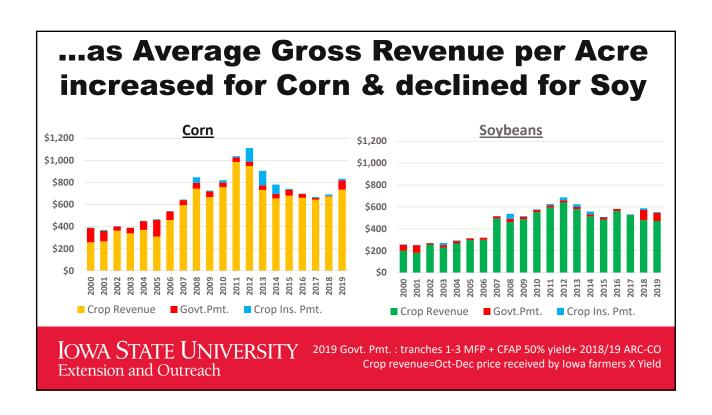
Invited Presentation Federal Reserve Bank of Chicago, Des Moines Office September 10, 2020

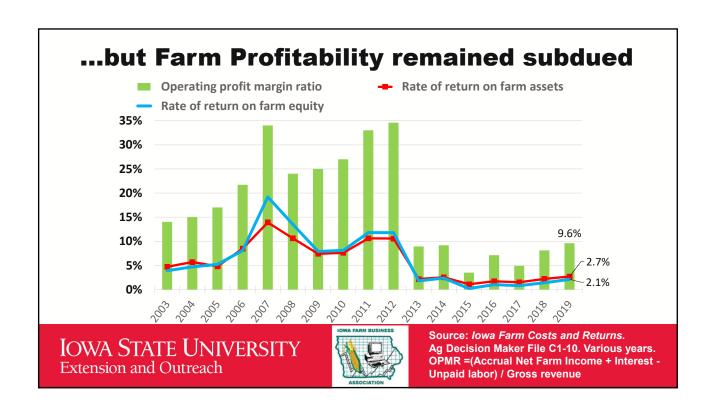
Overview

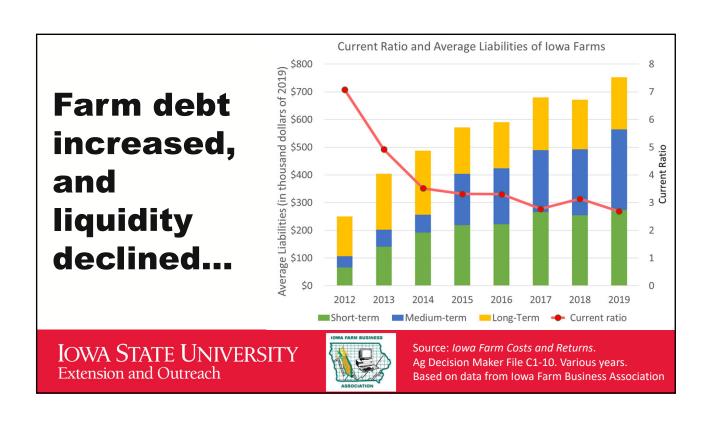
- Farm Financial Indicators
- Farmland Trends
- Projections for 2020
- · Iowa Mediation Service
- Crops and Livestock Outlook

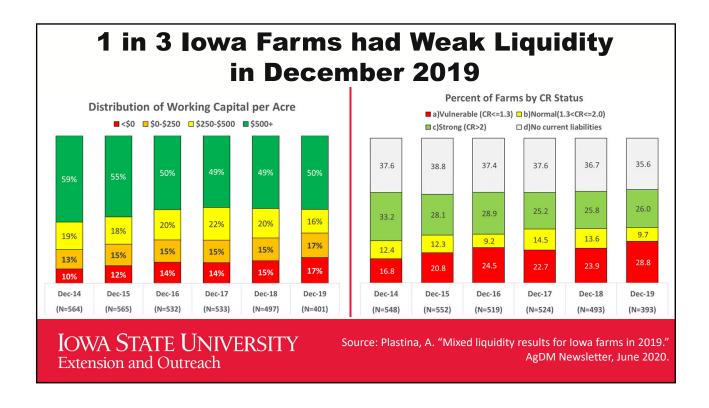
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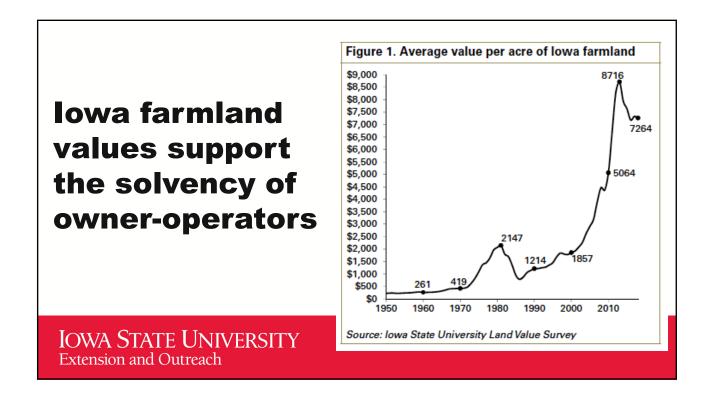


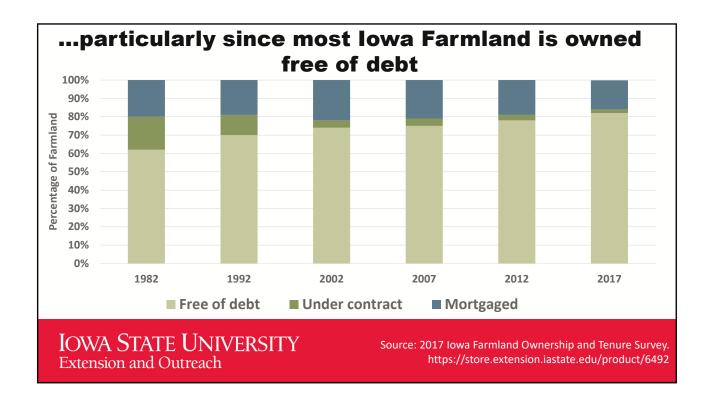


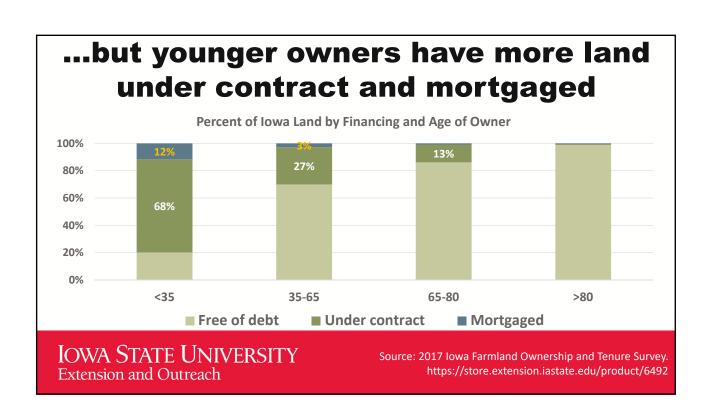










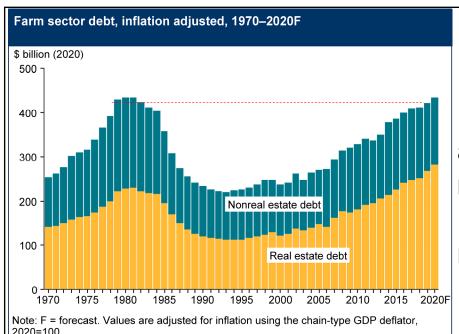


Also, only 37% of Iowa Farmland is Owner-Operated					
and 53% is Leased					

	Perce	ent	Acres
Owner Controlled:	47%		13,851,567
Owner operated		37%	10,819,245
Custom farmed		2%	583,485
Gov't programs and other uses		8%	2,448,837
Leased:	53%		16,771,192
Cash rent (fixed)		35%	11,502,256
Cash rent (flexible)		9%	2,354,117
Crop share		9%	2,875,316
Other types of leases		<1%	39,503
Total:	100%		30,622,759

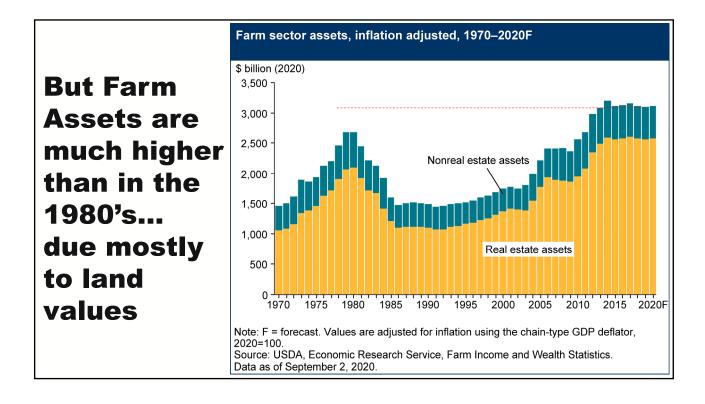
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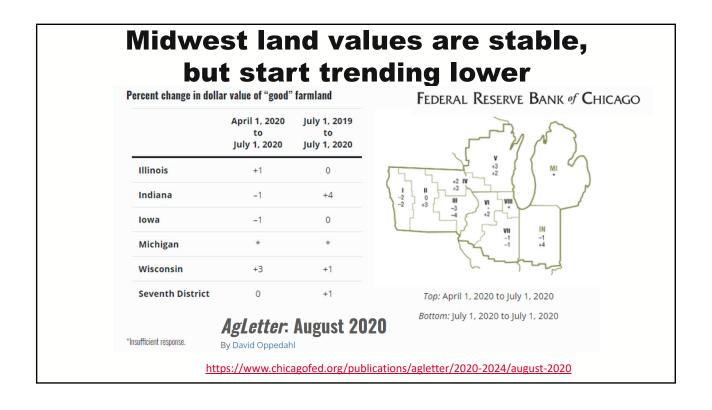
Source: 2017 Iowa Farmland Ownership and Tenure Survey. https://store.extension.iastate.edu/product/6492

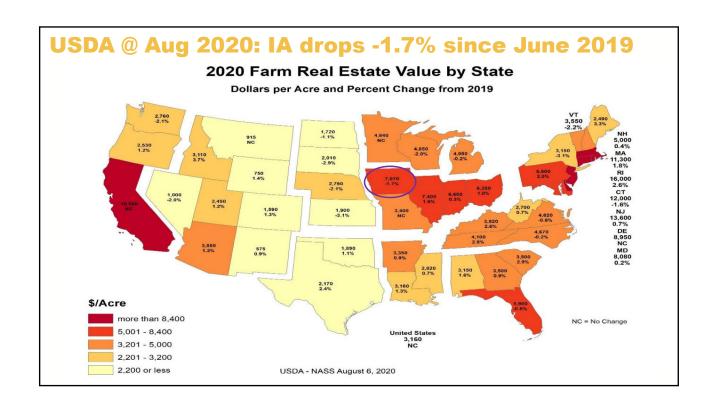


Farm debt increased at the national level too, reaching 1980's levels...

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of September 2, 2020.







Some additional estimates from Aug 20 (Farm Credit & Kansas City Fed)

Land Value Trends for 1st Half of 2020

Iowa, Wyoming: +0.3%

Nebraska: -0.4% South Dakota: -2.0%

(pasture loss + residual flooding impacts)

Land Sales Move from Auction to Private or Brokered Sales in Q2

Nebraska: -21%; Wyoming: -35% lowa: -8%; S. Dakota: -31%

Iowa Tillable Farmland Auction Summary: \$/Soil Quality Index (CSR2)

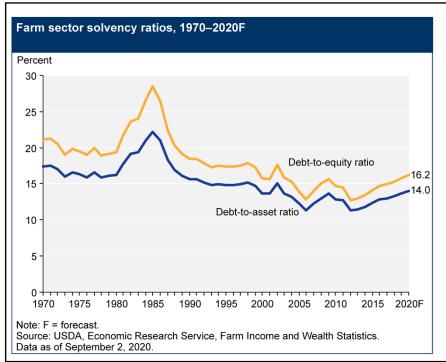
	2019 Q1-2	2020 Q1-2
\$/CSR2	\$111	\$108
Tillable acres sold	25,180	20,282
# auctions	325	224

Source: Jim Rothermich, Iowa Appraisal and Research https://www.iowaappraisal.com/iowa-land-auction-results/

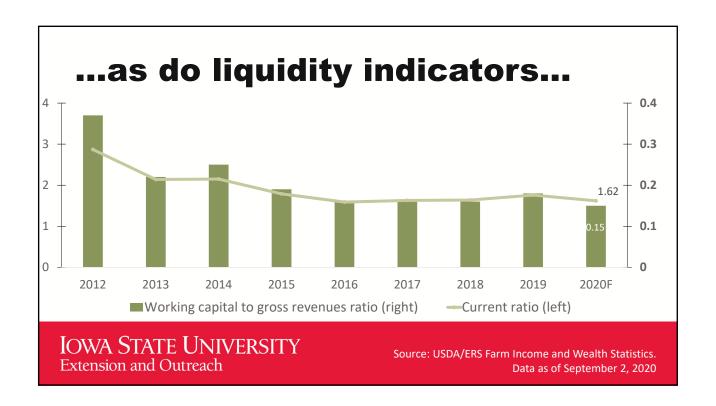


https://www.morningagclips.com/2020-farmland-values-are-stable/

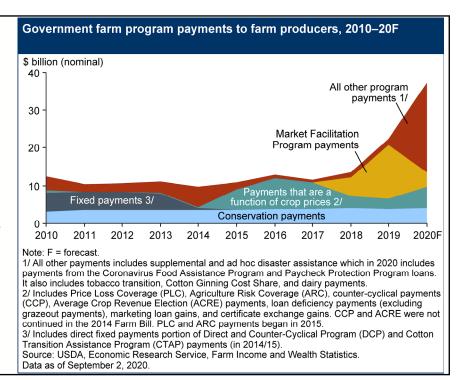
Slide prepared by Dr. Wendong Zhang, ISUEO

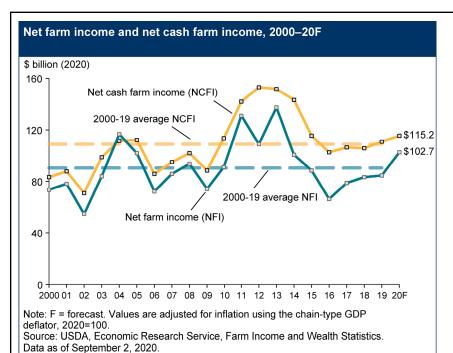


Farm sector solvency ratios are projected to deteriorate in 2020...



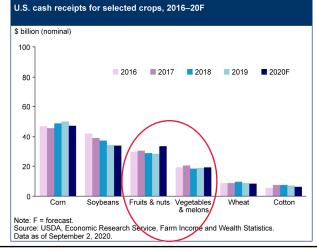
...despite
massive
injections
of funds
from ad-hoc
government
programs...

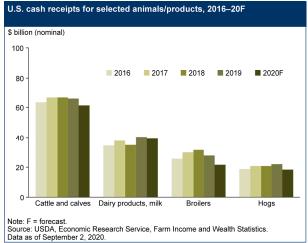


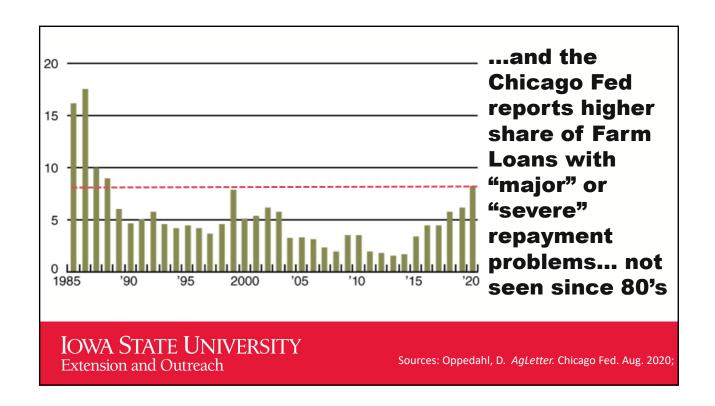


...that are expected to push net farm income higher in 2020.

In fact, the only ag productions expected to generate higher cash receipts are not strong in lowa...







...so you might be using lowa Mediation Service more often...

- Farmer-creditor, farm nuisance, and care and feeding contracts disputes require **mandatory** rural mediation under the Iowa Code 654.
- Timing of Mediation:
 - The requesting party makes a formal application to Iowa Mediation Service.
 - Upon receipt of the request, a 42-day period starts: 21 days during which the responding party has a chance to decide on mediation; and if mediation is desired, a further 21 days for Iowa Mediation Service to schedule a session.
 - Also upon receipt of the request, IMS sends a certified mail to farmer of Notice of Default and Right to Cure, and a 45-day period starts until the expiration of the Cure Period.
- · Outcome of Mediation:
 - A trained mediator helps each side hear the other clearly and helps all parties consider their options in a thoughtful manner. The parties control the outcome.
 - o In cases where the parties cannot come to an agreement, a release is given by IMS.
 - o If the parties do find a workable solution, the mediator creates an agreement for all parties to sign. Once signed, this agreement is legally binding on all participants.

http://www.iowamediationservice.com/

Back to the outlook for corn, soybeans, hogs and beef...

(using Dr. Chad Hart's slides)

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	U.S.	Corn	Sup	ply	and	Use
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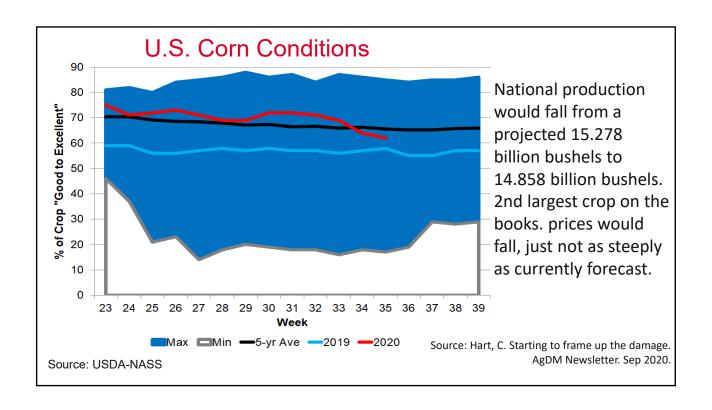
		2016	2017	2018	2019	2020
Area Planted	(mil. acres)	94.0	90.2	88.9	89.7	92.0
Yield	(bu./acre)	174.6	176.6	176.4	167.4	181.8
Production	(mil. bu.)	15,148	14,609	14,340	13,617	15,278
Beg. Stocks	(mil. bu.)	1,737	2,293	2,140	2,221	2,228
Imports	(mil. bu.)	57	36	28	45	25
Total Supply	(mil. bu.)	16,942	16,939	16,509	15,883	17,531
Feed & Residual	(mil. bu.)	5,470	5,304	5,432	5,600	5,925
Ethanol	(mil. bu.)	5,432	5,605	5,376	4,850	5,200
Food, Seed, & Other	(mil. bu.)	1,453	1,451	1,425	1,410	1,425
Exports	(mil. bu.)	2,294	2,438	2,065	1,795	2,225
Total Use	(mil. bu.)	14,649	14,799	14,288	13,655	14,775
Ending Stocks	(mil. bu.)	2,293	2,140	2,221	2,228	2,756
Season-Average Price	(\$/bu.)	3.36	3.36	3.61	3.60	3.10

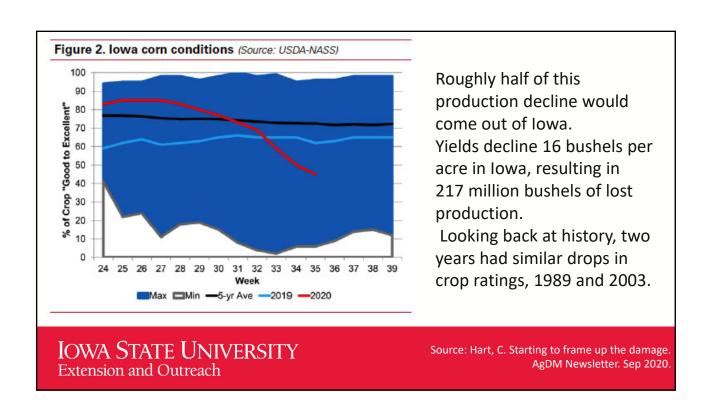
Source: USDA-WAOB

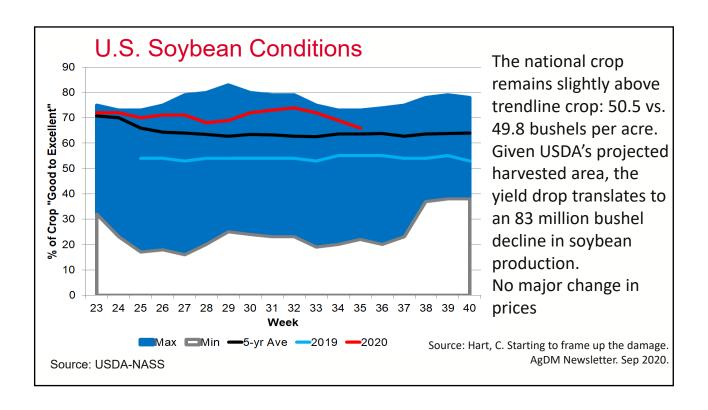
U.S. Soybean Supply and Use

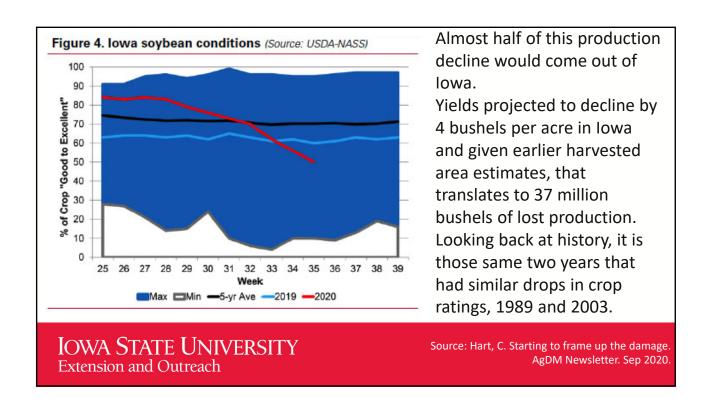
		2016	2017	2018	2019	2020
Area Planted	(mil. acres)	83.4	90.2	89.2	76.1	83.8
Yield	(bu./acre)	52.0	49.3	50.6	47.4	53.3
Production	(mil. bu.)	4,296	4,412	4,428	3,552	4,425
Beg. Stocks	(mil. bu.)	197	302	438	909	615
Imports	(mil. bu.)	22	22	14	15	15
Total Supply	(mil. bu.)	4,515	4,735	4,880	4,476	5,055
Crush	(mil. bu.)	1,901	2,055	2,092	2,160	2,180
Seed & Residual	(mil. bu.)	146	113	131	52	140
Exports	(mil. bu.)	2,166	2,129	1,748	1,650	2,125
Total Use	(mil. bu.)	4,214	4,297	3,971	3,862	4,445
Ending Stocks	(mil. bu.)	302	438	909	615	610
Season-Average Price	(\$/bu.)	9.47	9.33	8.48	8.55	8.35

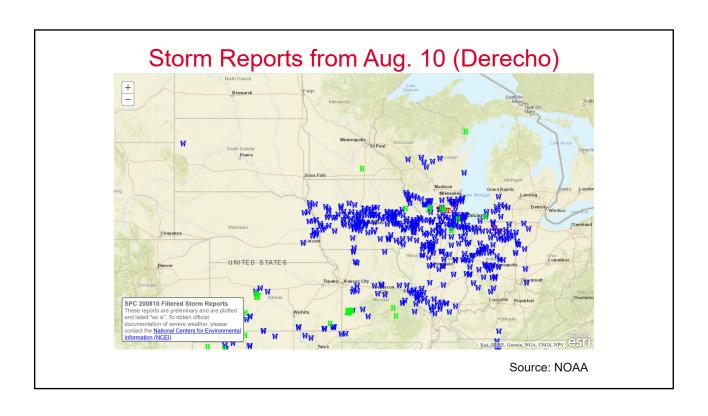
Source: USDA-WAOB











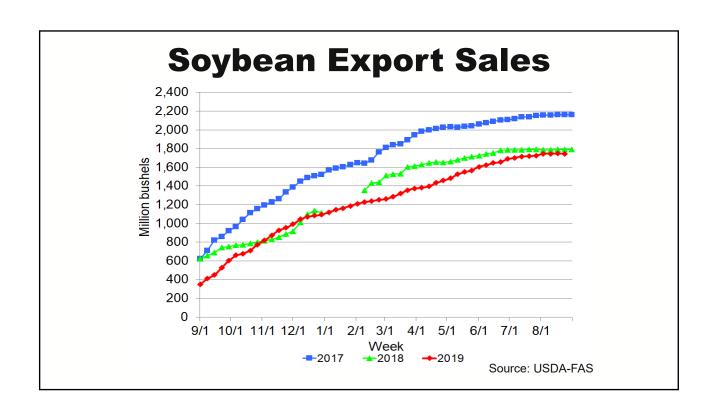
World Corn Production 2019/2020 2020/2021 Change from Change from						
Country or Region	estimate	forecast	July 10	2019/2020		
Million Tons						
World 1,112.4 1,171.0 7.8 58.6						
United States	345.9	388.1	7.1	42.2		
Foreign	766.5	782.9	0.8	16.4		
Argentina	50.0	50.0				
Brazil	101.0	107.0		6.0		
Mexico	25.0	28.0		3.0		
Canada	13.4	14.3	-0.3	0.9		
European Union	66.7	67.8	-0.5	1.1		
Serbia	7.7	7.2	0.2	-0.5		
FSU-12	55.8	60.4	0.4	4.7		
Ukraine	35.9	39.5	0.5	3.6		
Russia	14.3	15.3		1.0		
South Africa	16.3	14.0		-2.3		
China	260.8	260.0		-0.8		
India	28.9	27.5		-1.4		

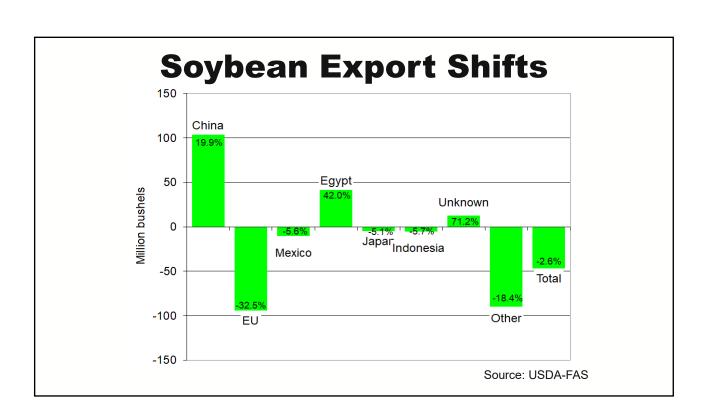
World Soybean Production

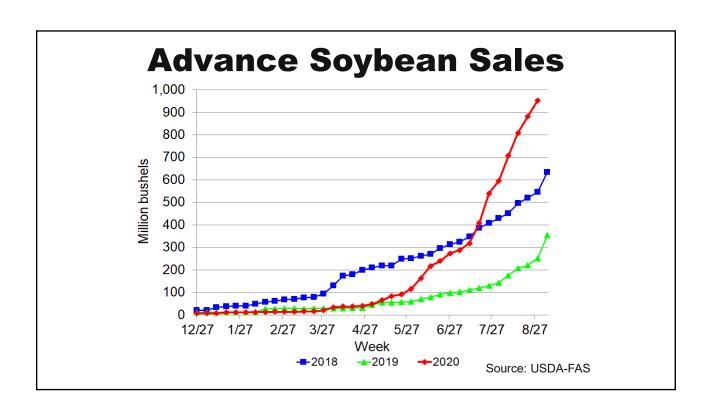
	2019/2020	2020/2021	Change from	Change from
Country or Region	estimate	forecast	July 10	2019/2020
		Mil	lion Tons	
World	337.3	370.4	7.9	33.1
United States	96.7	120.4	7.9	23.7
Foreign	240.6	250.0	**	9.4
Argentina	49.7	53.5	-	3.8
Brazil	126.0	131.0	_	5.0
Paraguay	9.9	10.2	_	0.4
Canada	6.0	5.8	_	-0.2
India	9.3	10.8	0.2	1.5
China	18.1	17.5		-0.6

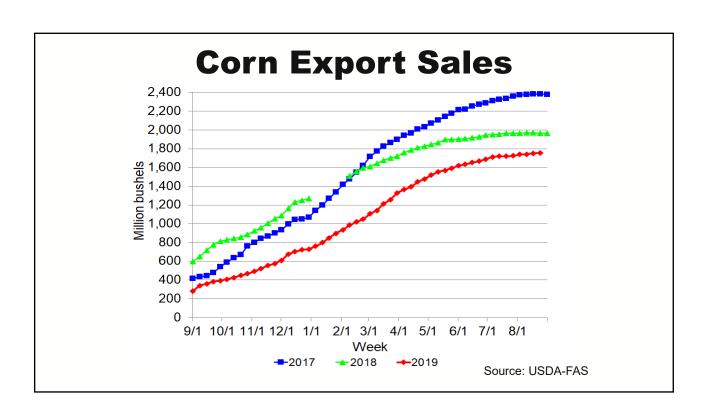
Source: USDA-WAOB

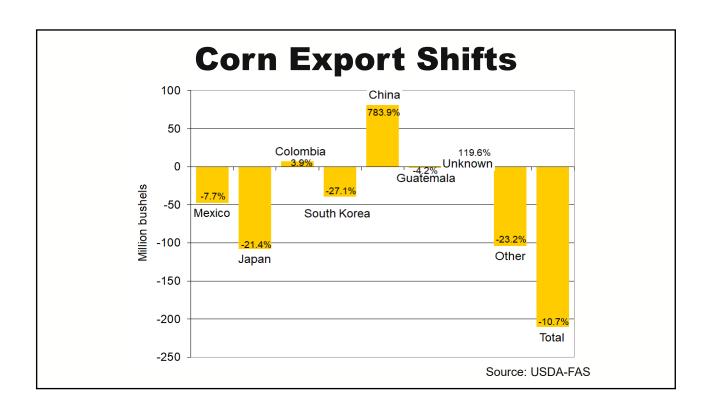


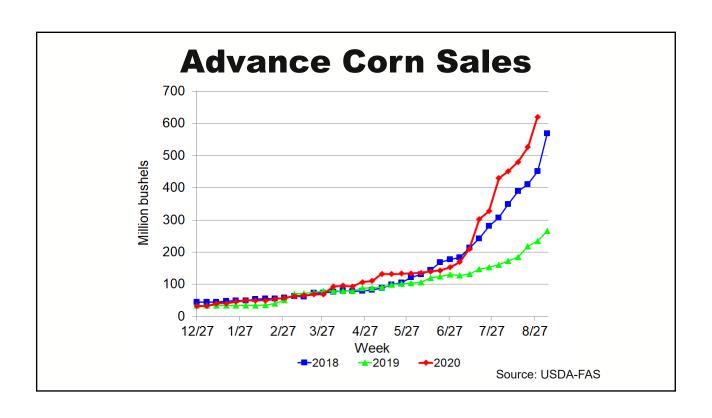








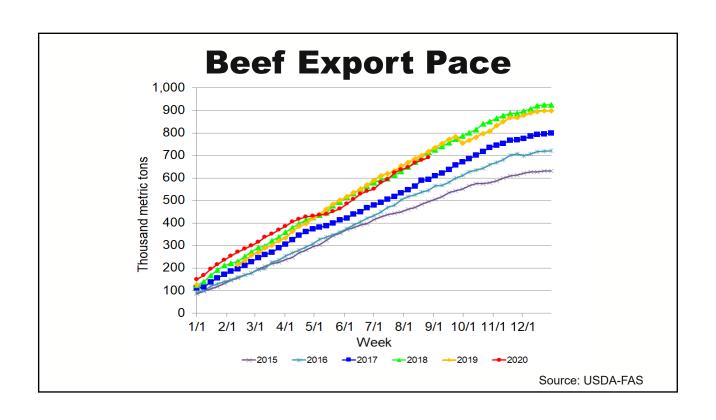


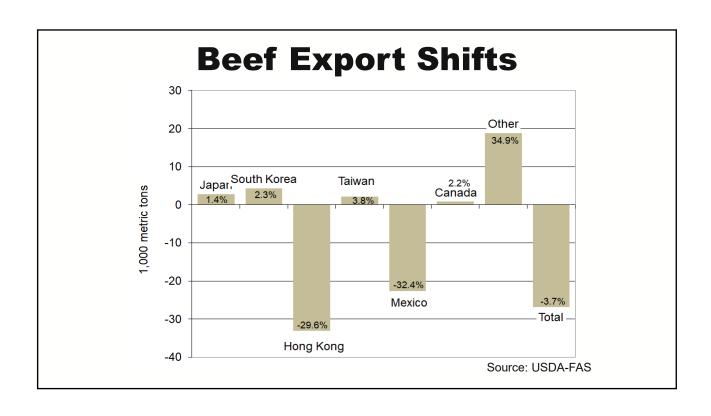


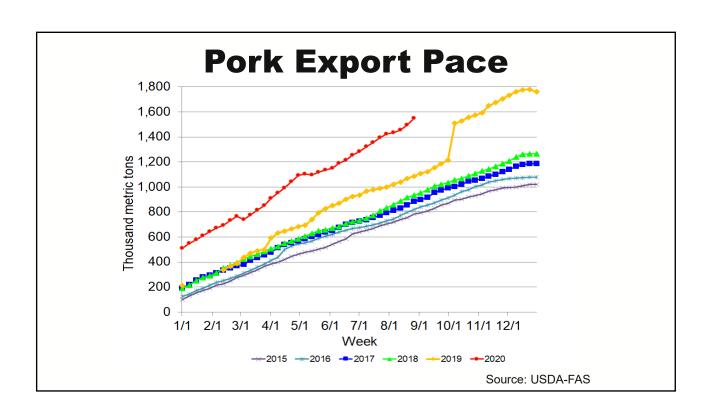
U.S. Meat Production & Prices

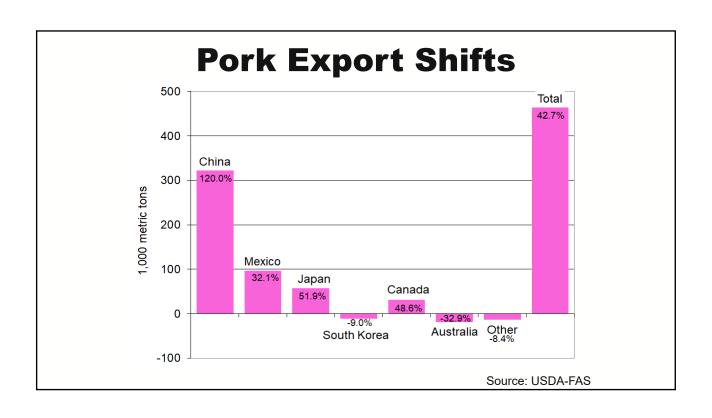
	2020			2021		
	Change from			Change from	Change from	
Item	Estimate	July 10	Forecast	July 10	2020	
Production	Billion Pounds					
Beef	27.03	0.09	27.62	-0.10	0.59	
Pork	28.36	-0.18	28.57		0.21	
Broilers	44.67	0.03	45.28	0.10	0.61	
Turkey	5.69	0.01	5.77		0.08	
Total Meat	106.49	-0.06	107.99		1.50	
Prices	Dollars per cwt					
Steers	107.28	0.50	109.75	0.25	2.47	
Hogs	38.12	-0.75	44.25		6.13	
	Cents per pound					
Broilers	70.4	0.4	81.3		10.9	
Turkey	105.5	0.3	105.0		-0.5	

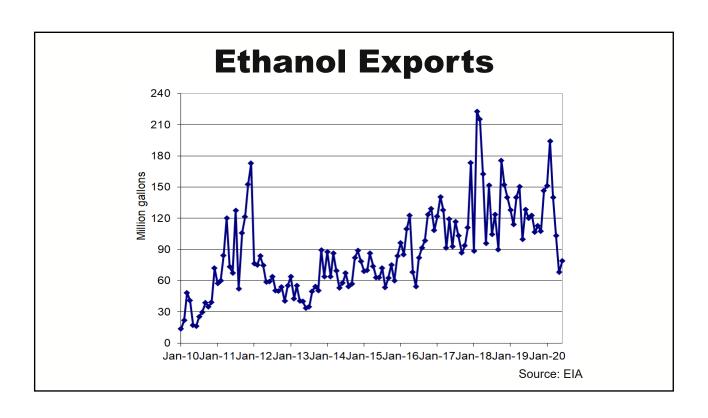
Source: USDA-WAOB

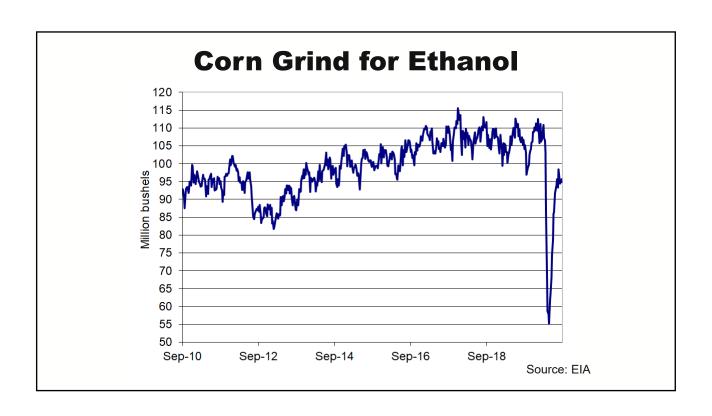


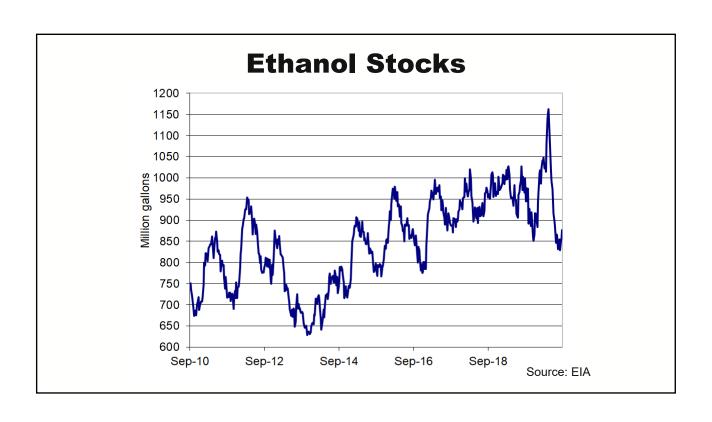


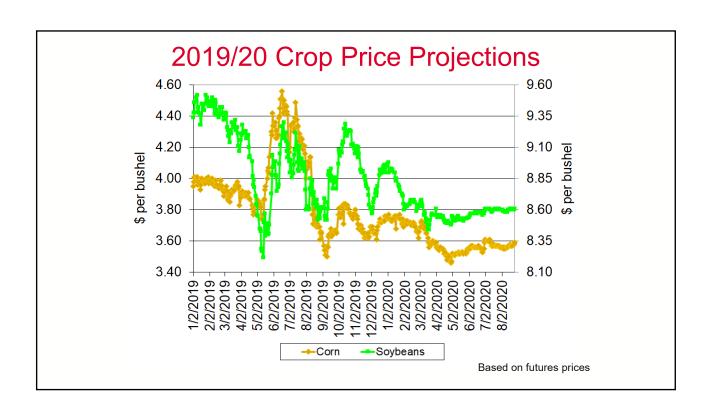


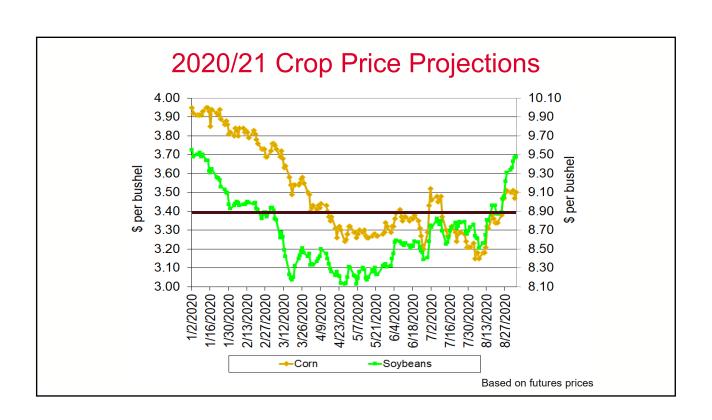












Thank you for your time! Questions? Comments?

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