# **Crop Finances and Government Payments**

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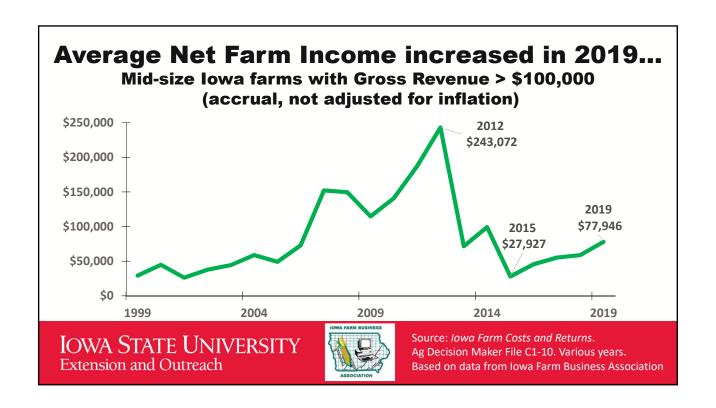
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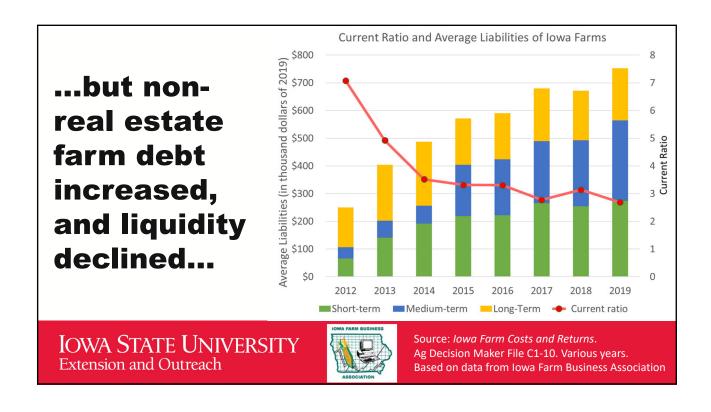
Ag Decision Maker Webinar 2020 Government Payments and USDA FSA Programs October 15<sup>th</sup> 2020

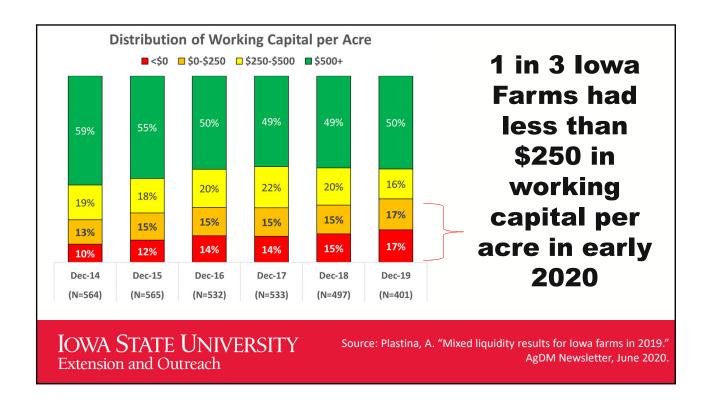
#### **Overview**

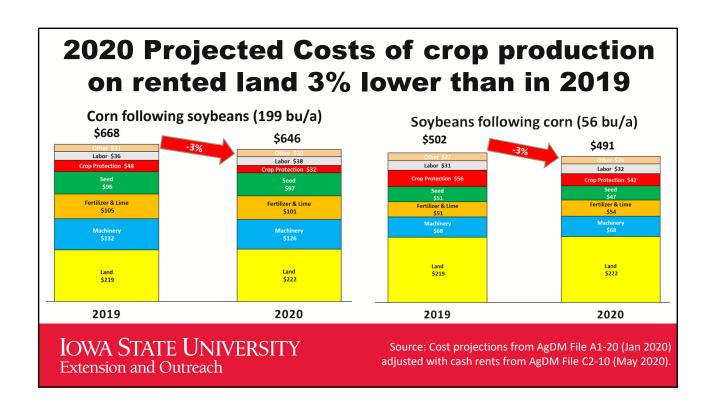
- Financial situation in early 2020
- Costs in 2020
- Revenues in 2020

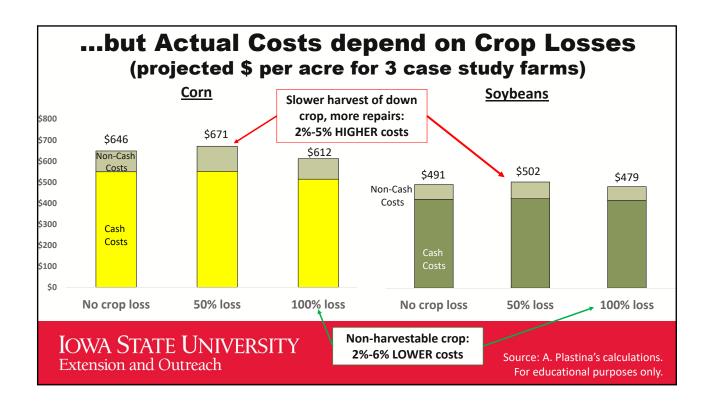
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#### Cash income in 2020?

- 1) Cash Receipts from Crop Sales
- 2) Crop Insurance
- 3) ARC/PLC Payments in 2020 from 2019 crop
- 4) 3<sup>rd</sup> batch of Market Facilitation Payments (MFP)
- 5) Coronavirus Food Assistance Program 1 (CFAP 1)
- 6) CFAP 2
- 7) Forgiveness of Paycheck Protection Program (PPP) Loans

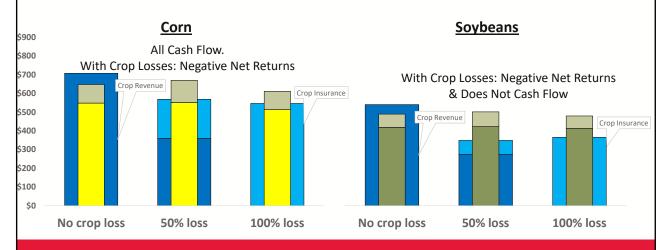
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<b>2020 Cash</b>	Receipts	& Crop	<b>Insurance</b>
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Source of Revenue from Corn Acres	No Crop Loss 200 bu	50% Crop Loss 100 bu	Unharvestable Crop (100% Loss)
Cash Receipts (WASDE \$3.60)	\$720	\$360	\$0
Crop Insurance (RP 80%; APH 180 bu; \$3.88 spring; \$3.38 harvest)	-\$12	\$209	\$547
Sub-Total per Acre	\$708	\$569	\$547

Source of Revenue from Soybeans Acres	No Crop Loss 56 bu	50% Crop Loss 28 bu	Unharvestable Crop (100% Loss)
Cash Receipts (WASDE \$9.80)	\$549	\$274	\$0
Crop Insurance (RP 80%; APH 45 bu; \$9.17 spring; \$10.40 harvest)	-\$8	\$75	\$366
Sub-Total per Acre	\$541	\$349	\$366

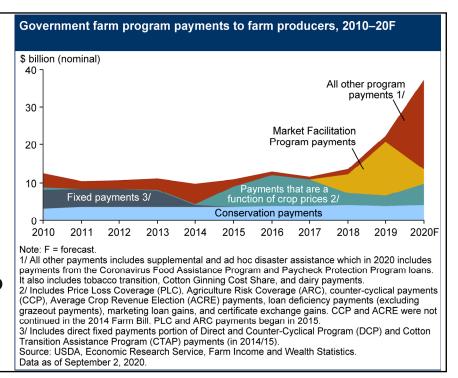
### 2020 Total Costs vs. Cash Receipts & Crop Insurance (projected \$ per acre for 3 Case Study Farms)

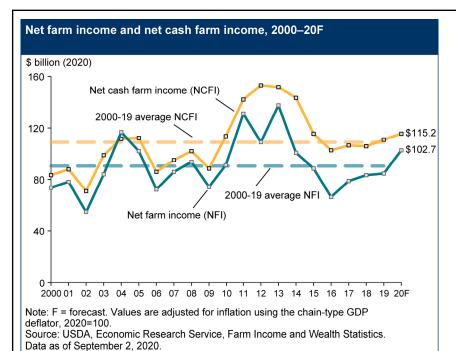


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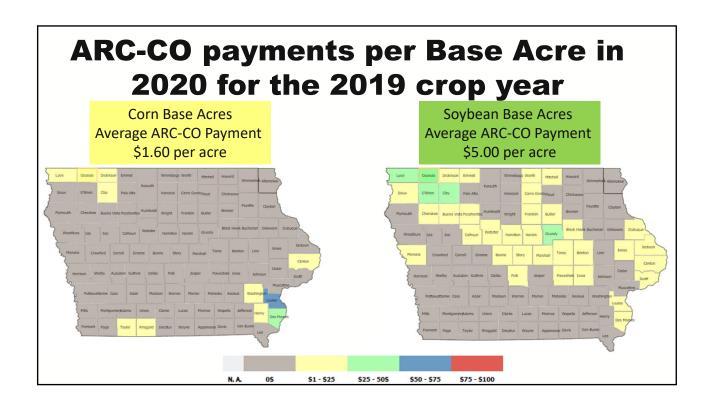
Source: A. Plastina's calculations. For educational purposes only.

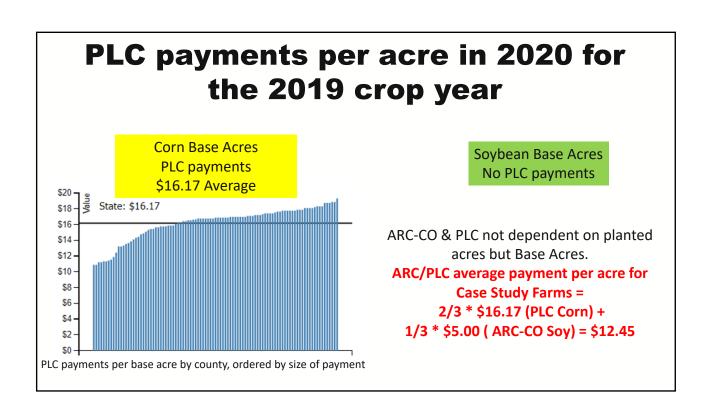
### In September, USDA projected massive government programs (before CFAP 2)...

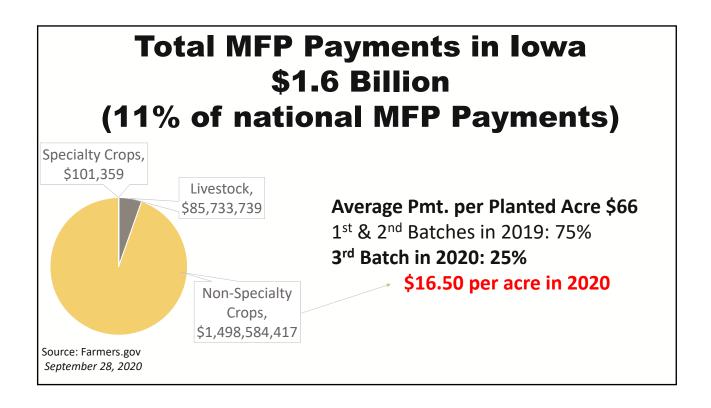


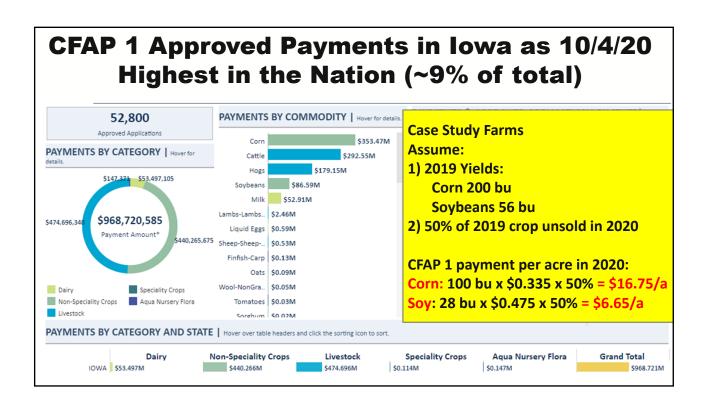


...that were expected to push net farm income higher in 2020.









### **CFAP 2 for Corn and Soybeans**

CORN: the greater of:

A. Crop acreage × \$15 per acre; OR

B. Crop acreage × \$0.232 per bushel × producer's weighted 2020 Actual Production History (APH) approved yield.

SOYBEANS: the greater of:

Corn: APH 180 bu/a  $\rightarrow$  \$41.76/a Soy: APH 45 bu/a  $\rightarrow$  \$15.00 /a (>\$14.09)

Case Study Farms:

A. Crop acreage × \$15 per acre; OR

B. Crop acreage × \$0.3132 per bushel × producer's weighted 2020 APH approved yield.

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### **Forgiveness of PPP Loans**

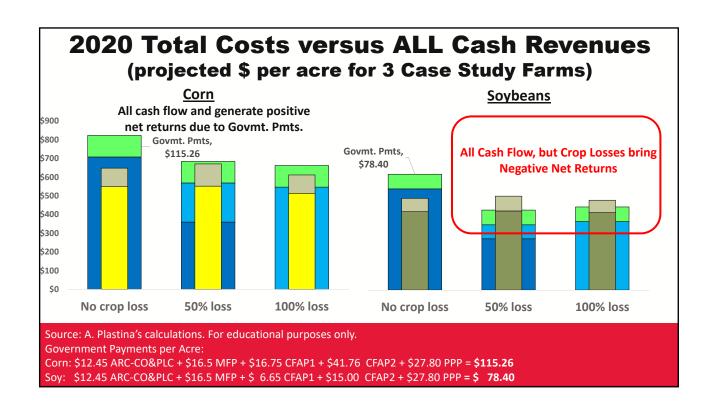
Maximum forgiveness (currently under review):

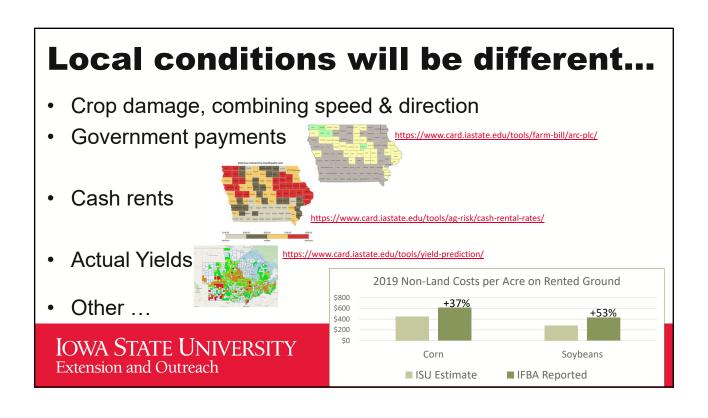
- cash compensation up to \$20,833 per owner
  - sole proprietors: no tax obligation if taken as a "draw" from farm bank account;
  - corporations: higher taxable income, since paid expenses with forgiven PPP \$
    are not deductible from net farm income calculation
- cash compensation up to \$46,154 per non-owner employee
  - If paid with forgiven loan proceeds, this payroll expense is not currently deductible

Case Study Farms: assume 750 acres and max owner compensation only → transfer by acre = \$27.80 per acre

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Iowa Farm Income Tax Webinar 2020
Thursday, November 5, 2020, at 1:00 p.m.
Speakers: Charles Brown, ISU Extension Farm Management Specialist
Kristine Tidgren, Director, Center for Agricultural Law & Taxation





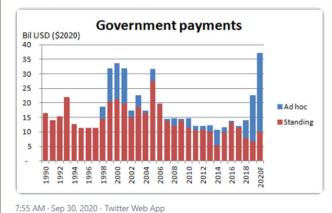
### Tweet JoeGlauber--IFPRI @JoeGlauber1



### Congress must end blank check to use on government farm subsidies

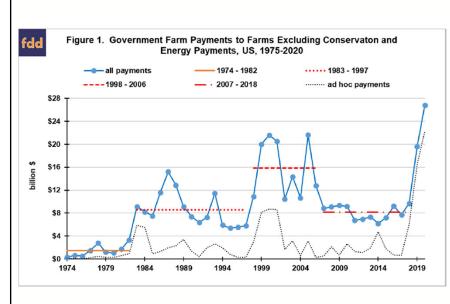
THE VIEWS EXPRESSED BY CONTRIBUTORS ARE THEIR OWN AND NOT THE VIEW OF THE HILL

Chart shows farm payments since 1990 adjusted for inflation. Last time ad hoc payments were this high was 1999-2001. One of the consequences of that period was the Brazil cotton case.



High Ad-hoc payments are concerning due to (1) potential challenges to coupled payments at the WTO; and

(2) lack of Congress oversight of farm subsidies.



...as well as (3)
structural
change in
policy towards
sustained higher
farm payments.

Zulauf, C., G. Schnitkey, J. Coppess, N. Paulson, and K. Swanson. "Ad Hoc Payments: A Leading Indicator of Farm Policy Change." farmdoc daily (10): 140, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, July 29, 2020. https://farmdocdaily.illinois.edu/2020/07/ad-hoc-payments-a-leading-indicator-of-farm-policy-change.html

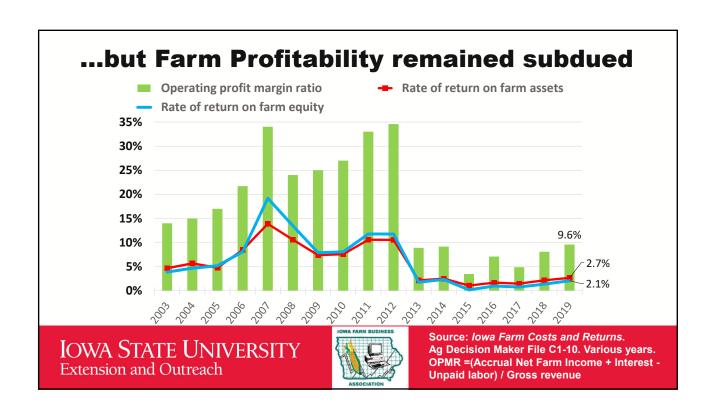
### **Questions? Comments?**

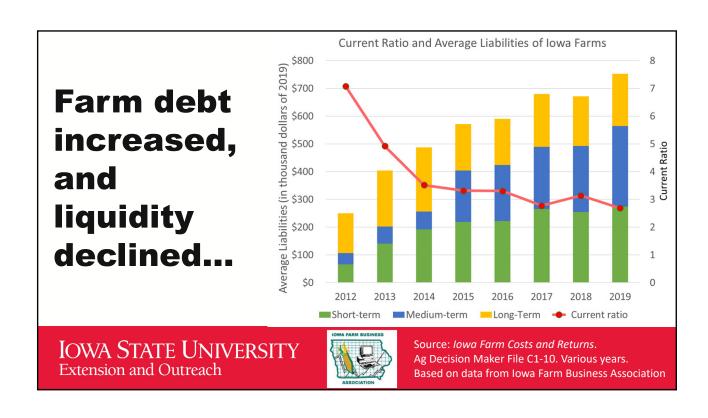
Alejandro Plastina

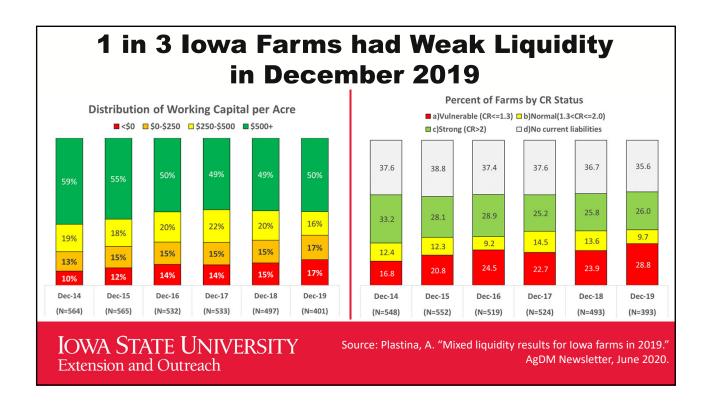
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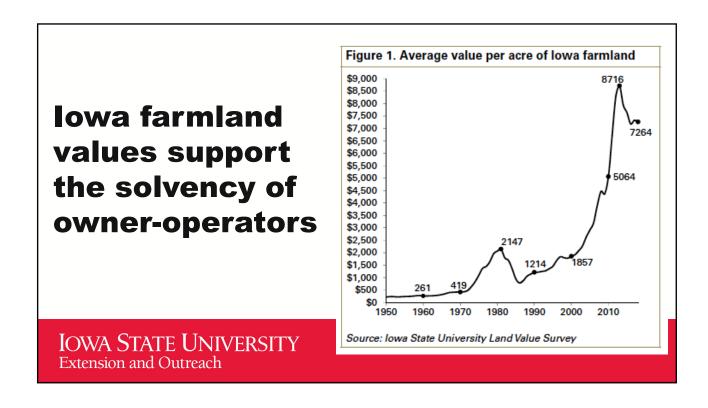
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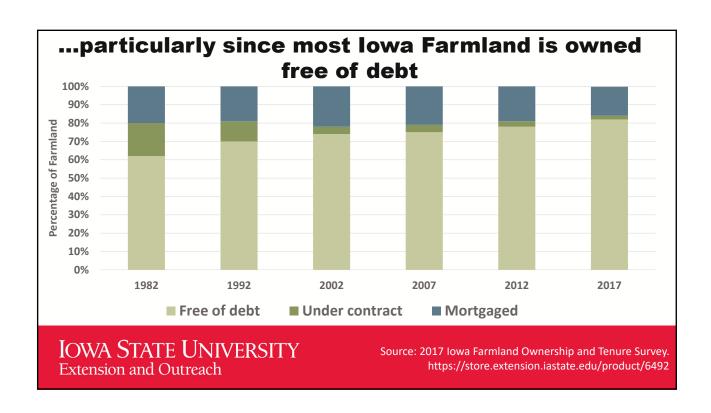
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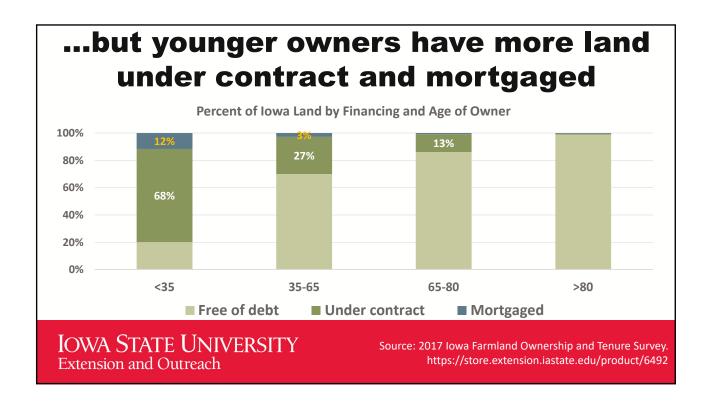








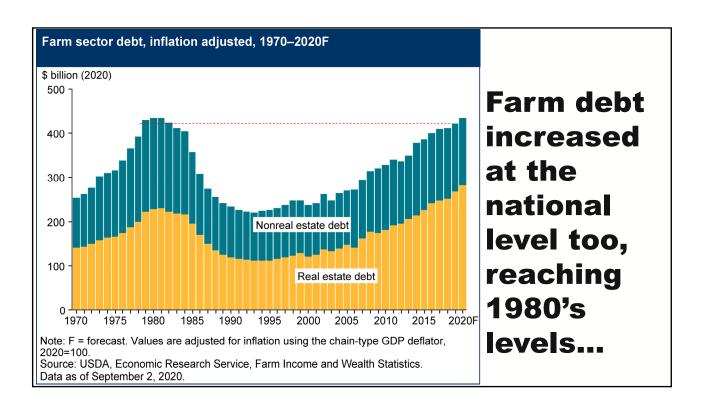


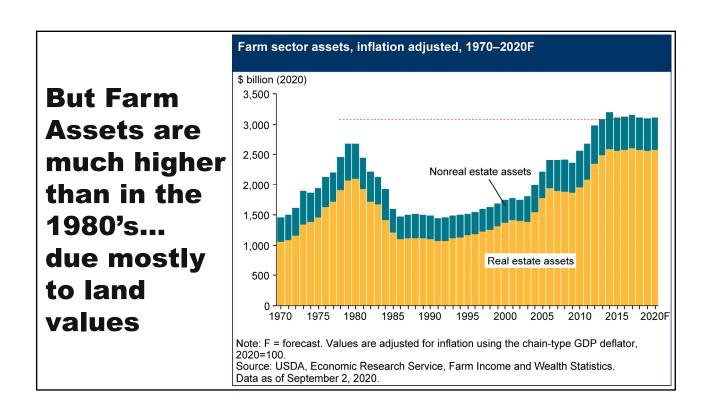


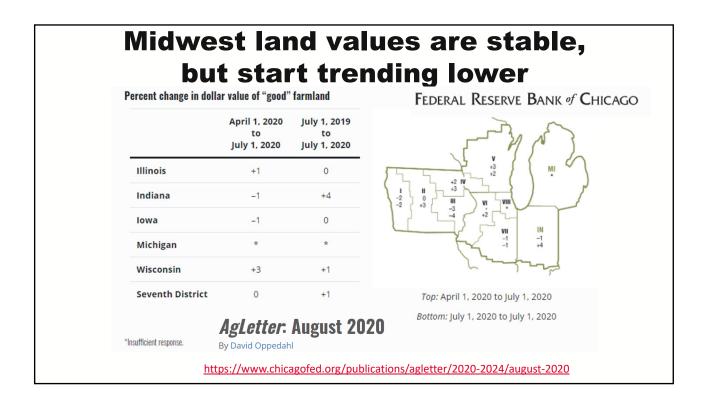
and 53%	🖟 is Leased		
	Percent	t	Acres
Owner Controlled:	47%		13,851,567
Owner operated		37%	10,819,245
Custom farmed		2%	583,485
Gov't programs and other uses		8%	2,448,837
Leased:	53%		16,771,192
Cash rent (fixed)		35%	11,502,256
Cash rent (flexible)		9%	2,354,117
Crop share		9%	2,875,316
Other types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

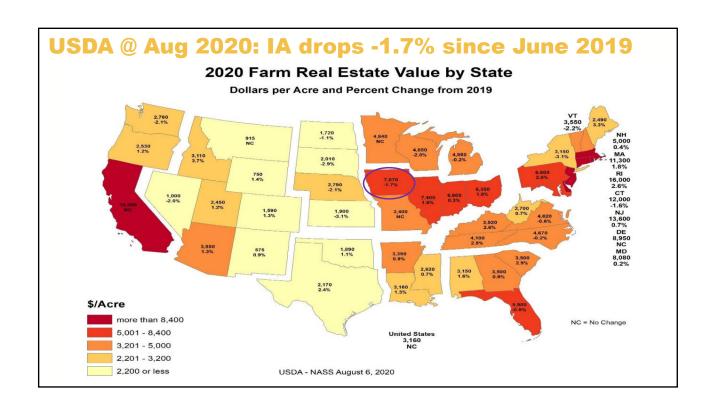
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https://store.extension.iastate.edu/product/6492









## 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)

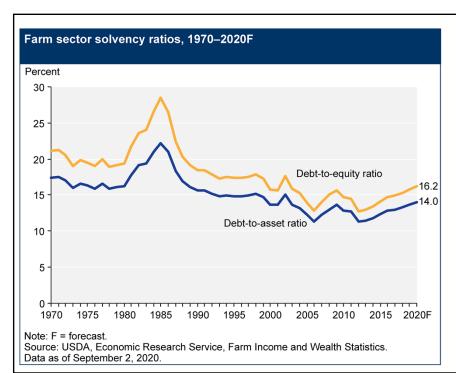
	2019 Q1-2	2020 Q1-2
\$/CSR2	\$111	\$108
Tillable acres sold	25,180	20,282
# auctions	325	224

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...