# Farm Finances and Government Programs

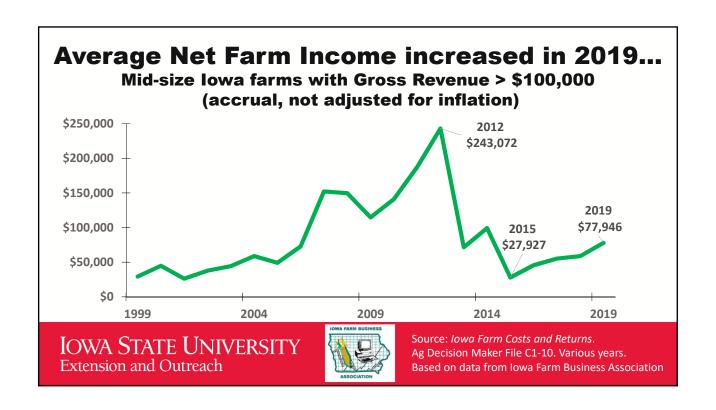
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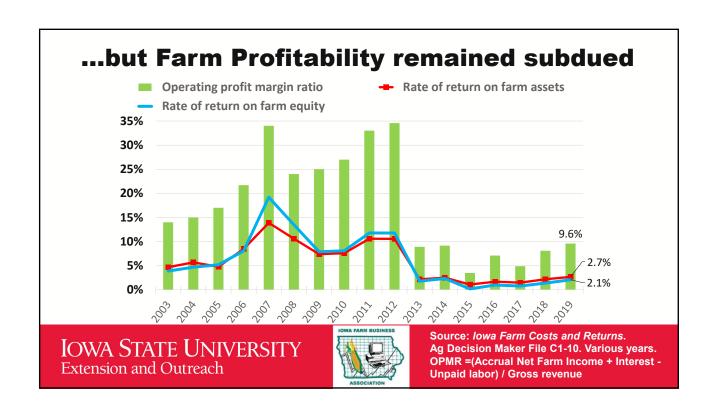
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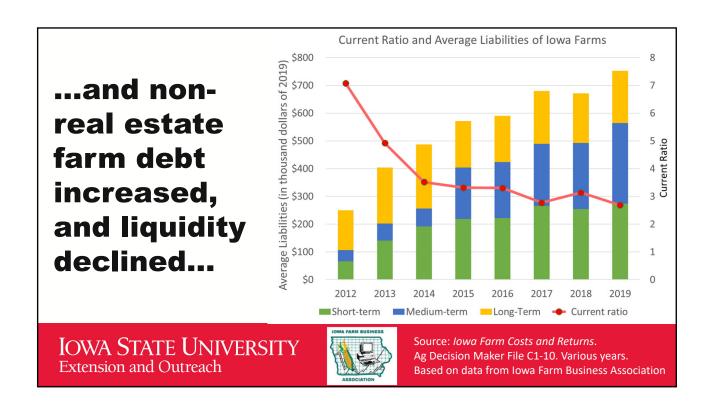
Pro-Ag Outlook and Management Ag Decision Maker Webinar Series December 8, 2020

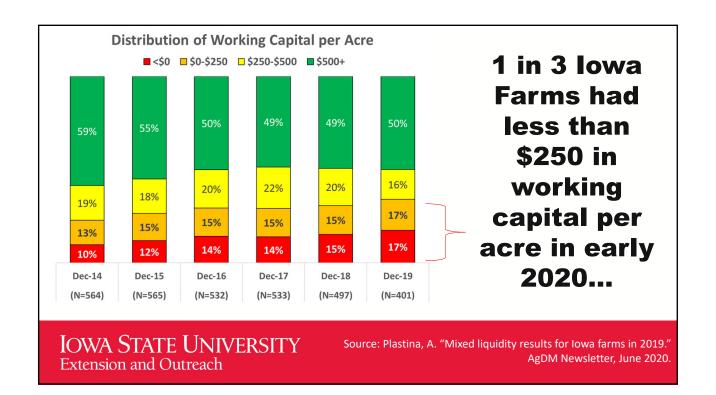
#### **Overview**

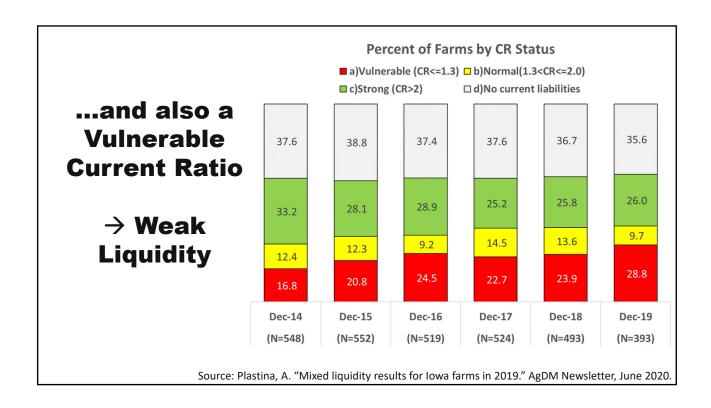
- Farm financial situation in early 2020
- Costs of crop production in 2020
- Cash revenues in 2020
- How is 2021 shaping up?

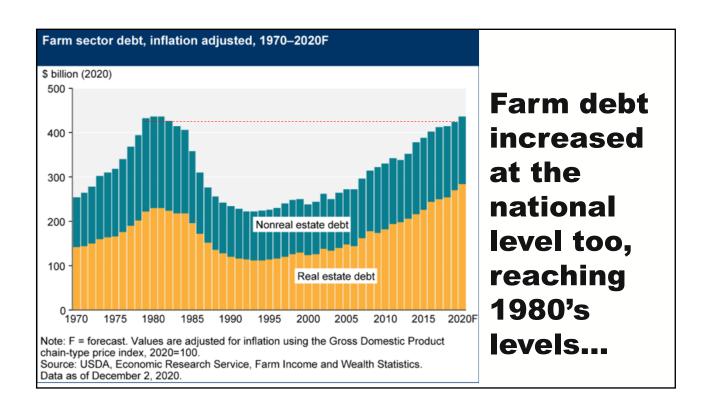


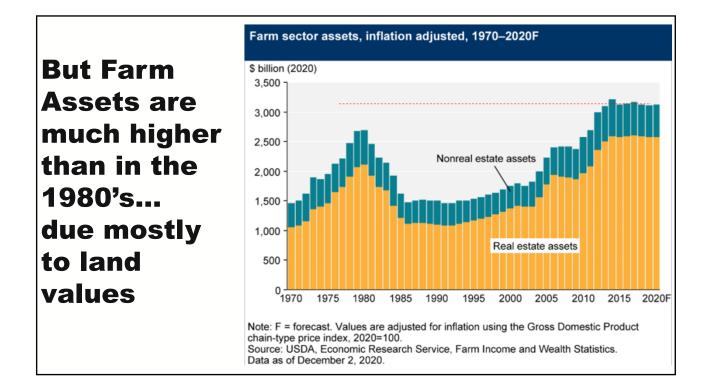


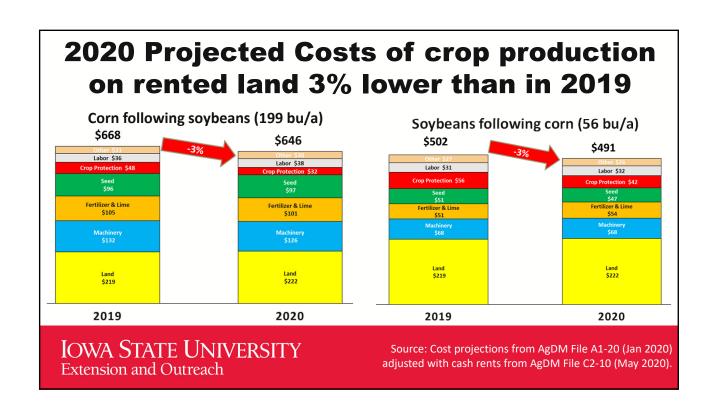


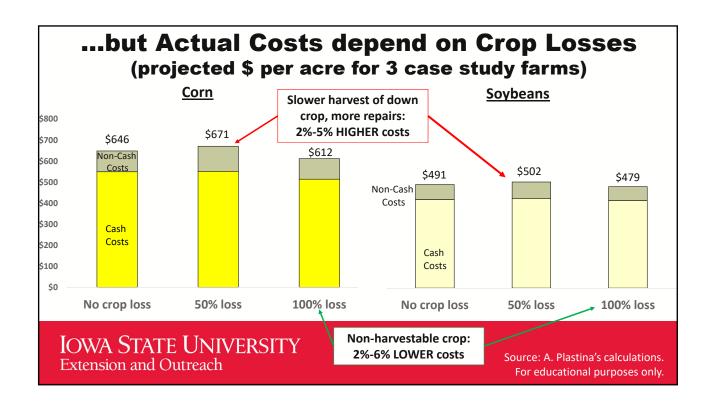








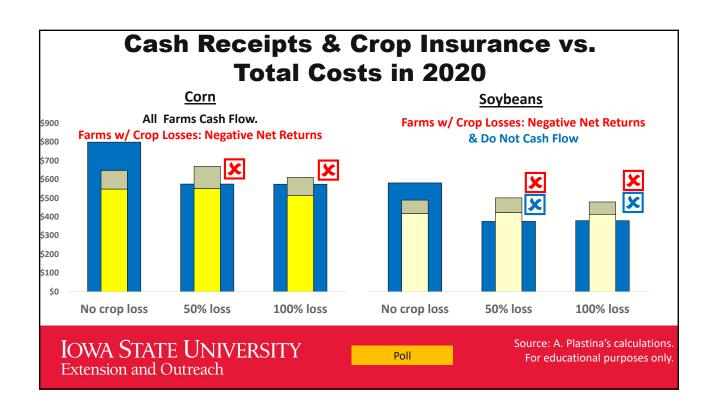


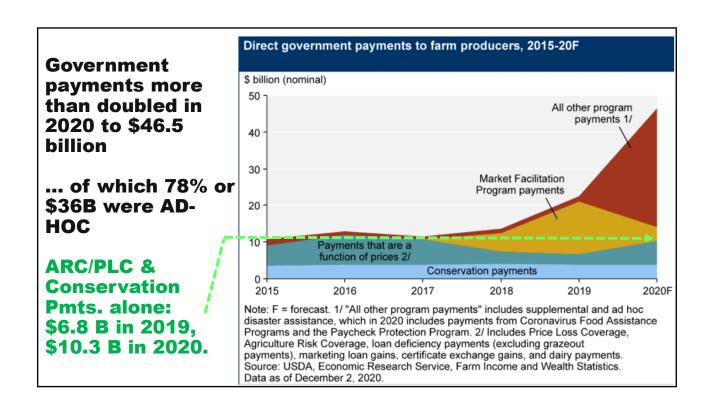


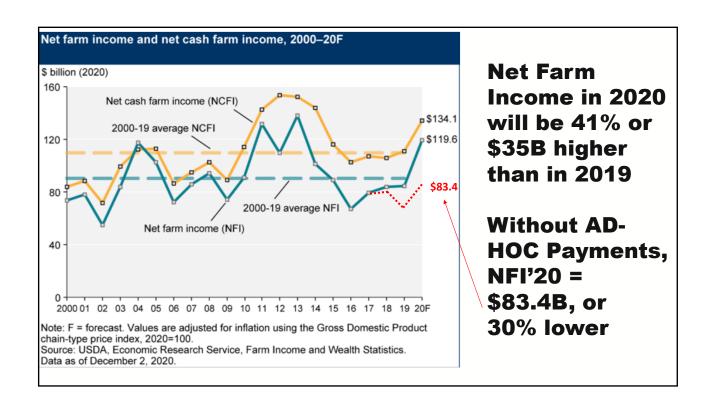
#### Cash income in 2020?

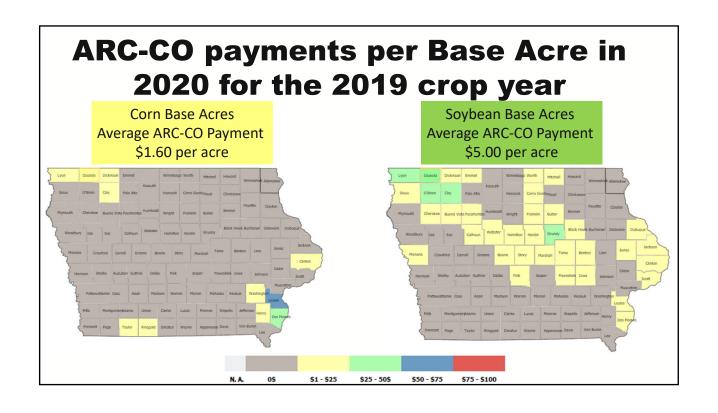
- 1) Cash Receipts from Crop Sales
- 2) Crop Insurance
- 3) ARC/PLC Payments in 2020 from 2019 crop
- 4) Multiple ad-hoc programs:
- 3<sup>rd</sup> batch of Market Facilitation Payments (MFP)
- Coronavirus Food Assistance Program 1 (CFAP 1)
- CFAP 2
- Forgiveness of Paycheck Protection Program (PPP) Loans
- Stimulus payments
- State Grants (Relief funds, Capacity expansion, etc.)

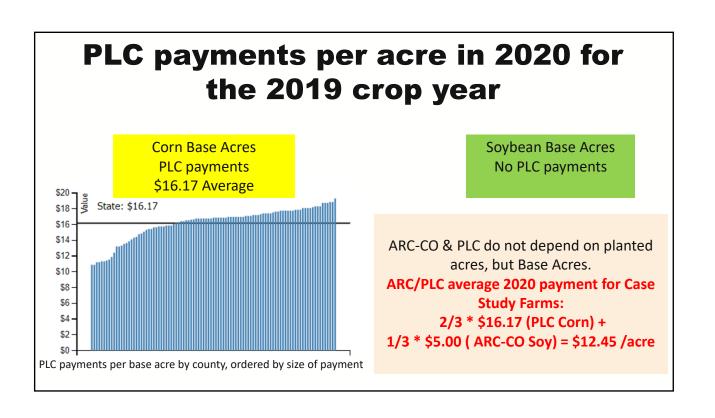
2020 Cash Receipts & Crop Insurance (per Acre)						
Source of Revenue from Corn Acres	No Crop Loss 200 bu	50% Crop Loss 100 bu	Unharvestable Crop (100% Loss)			
Cash Receipts (WASDE <b>\$4.00</b> )	\$800	\$400	\$0			
Gross Indemnity (RP 80%; APH 180 bu; \$3.88 projected; <b>\$3.99 harvest</b> )	\$0	\$176	\$575			
Sub-Total per Acre	\$800	\$576	\$575			
Source of Revenue from Soybeans Acres	No Crop Loss 56 bu	50% Crop Loss 28 bu	Unharvestable Crop (100% Loss)			
Cash Receipts (WASDE \$10.40)	\$582	\$291	\$0			
Gross Indemnity (RP 80%; APH 45 bu; \$9.17 projected; \$10.55 harvest)	\$0	\$84	\$380			
Sub-Total per Acre	\$582	\$375	\$380			





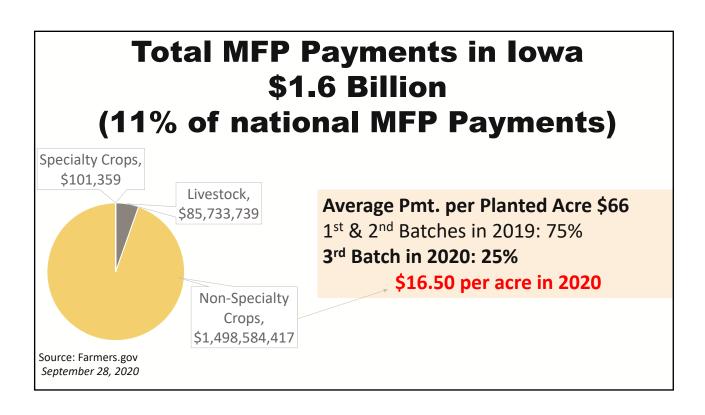






### Selected Ad-Hoc Programs with Payments in 2020

- Market Facilitation Program (MFP): \$14.5 billion in direct support for losses caused by <u>Trade Disruption</u> in 2018 and 2019 (paid in 2019 and 2020)
- Coronavirus Food Assistance Program (CFAP 1): \$16 billion in direct support for actual losses in the 2020 marketing year caused by COVID-19 (paid in 2020).
- **CFAP 2: \$14 billion** in direct support for increased marketing costs associated with the <u>COVID-19</u> pandemic in 2020 (payment started in October 2020).
- Paycheck Protection Program (PPP) Loan: \$5.2 million loans, with \$525 billion in proceeds disbursed to small businesses (not only farms) for <u>COVID-19</u>.



# CFAP 1 Approved Payments in Iowa as 12/6/20 Highest in the Nation (9% of total)



Case Study Farms Assume:

- 1) 2019 Yields: Corn 200 bu Soybeans 56 bu
- 2) 50% of 2019 crop unsold in 2020

#### CFAP 1 payment per acre in 2020:

Corn: 100 bu x  $$0.335 \times 50\% = $16.75/a$ Soy: 28 bu x  $$0.475 \times 50\% = $6.65/a$ 

### **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.

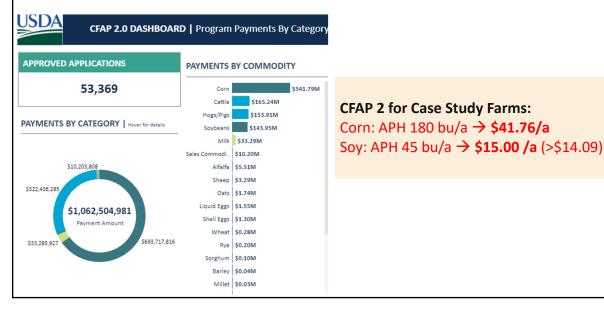
SOYBEANS: the greater of:

- 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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\*USDA is accepting applications for CFAP 2 until December 11, 2020. Paid \$11.15 billion (80%) by 11/29/20

# CFAP 2 Approved Payments in Iowa as 12/6/20 Highest in the Nation (9% of total)



# Paycheck Protection Program (PPP) Loan Forgiveness

- When forgiven, the proceeds of the PPP loan are not included in gross income and will not be subject to taxation.
- Expenses paid with the loan (if it is forgiven) are not deductible.
- There is broad support for Congress to change this rule, but it is unclear whether that will happen.

Source: https://www.calt.iastate.edu/blogpost/end-year-considerations-unprecedented-year

### **Forgiveness of PPP Loans**

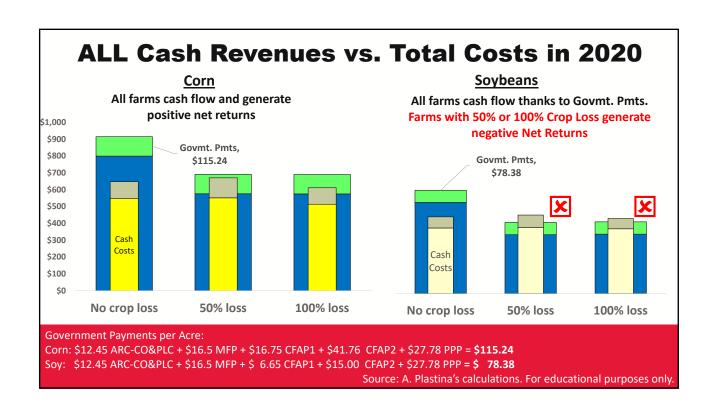
Maximum forgiveness (currently under review):

- 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 SP w/ 750 acres and cash compensation of \$20,833→ govmt. pmt. = \$27.78 per acre

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#### Local conditions will be different...

- Crop damage, combining speed & direction
- Actual ARC/PLC payments

https://www.card.iastate.edu/tools/farm-bill/arc-plc/

- · Owned vs. rented
- · Cash rents
- Actual Yields
- Unsold crop in early 2020
- Other ...

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Iowa farmland values support the solvency of owner-operators

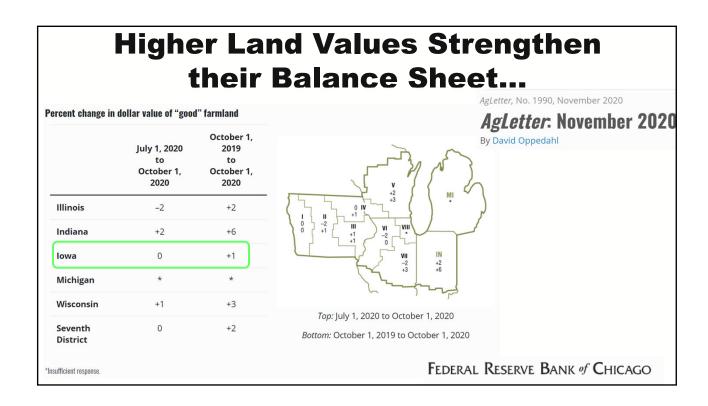
Figure 1. Average value per acre of lowa farmland \$9,000 \$8,500 \$8,000 \$7,500 \$7,000 7264 \$6,500 \$6,000 \$5,500 5064 \$5,000 \$4,500 \$4,000 \$3,500 \$3,000 \$2,500 \$2,000 \$1,500 \$1,000 \$500 Source: Iowa State University Land Value Survey

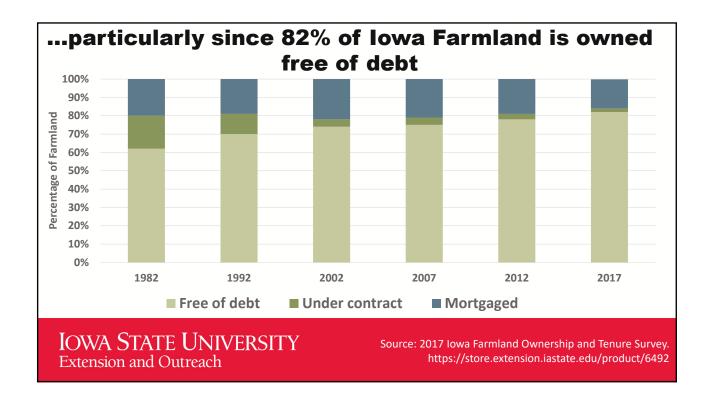
#### ...who account for 37% of all Iowa Farmland

	Percent		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





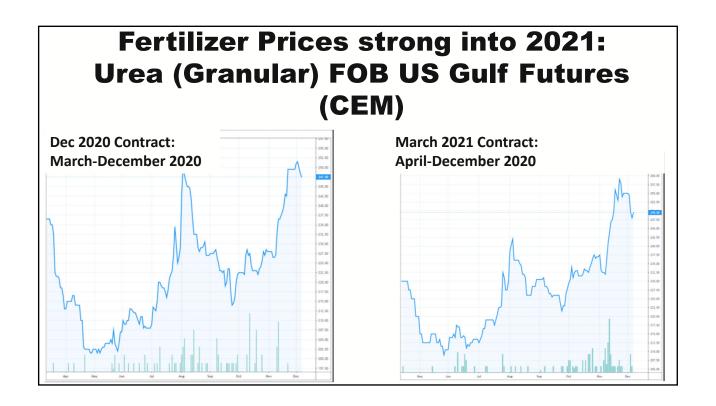
#### Overall, by Dec 2020 we can expect:

- Stronger Liquidity, Solvency, and Repayment Capacity than in Jan 2020,
- Due to Higher Net Farm Income in 2020 (stronger crop prices at harvest time and massive government payments)

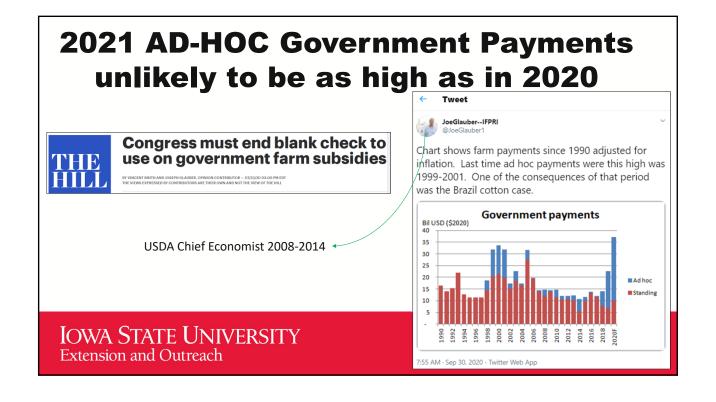
However, higher land values put upward pressure on land rents (leased ground 53% of all lowa Farmland)					
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#### **Energy Prices forecast higher in 2021** 2018 2019 2021 2020 West Texas Intermediate (WTI) crude oil price and NYMEX confidence intervals WTI Crude Oila 65.07 56.99 38.24 44.24 dollars per barrel Brent Crude Oil futures price confidence 71 21 64 34 40 61 46.59 West Texas (dollars per barrel) 100 Intermediate (WTI) spot price interval Gasoline<sup>b</sup> upper bound 80 2.73 2.60 2.15 2.22 (dollars per gallon) 60 STEO forecast Diesel<sup>c</sup> 3.06 3.18 2.53 2.56 NYMEX (dollars per gallon) 40 futures price Heating Oil<sup>d</sup> 3.01 3.00 2.43 2.47 **95% NYMEX** 20 (dollars per gallon) futures price Natural Gas<sup>d</sup> interval (dollars per thousand 10.46 10.46 10.59 10.90 2018 2019 2020 lower bound cubic feet) Note: Confidence interval derived from options market information for the five trading days ending Nov 5, 2020. Intervals not calculated for months with sparse trading in near-the-money options contracts. Electricity<sup>d</sup> 12.87 13.01 13.10 13.22 Sources: U.S. Energy Information Administration, Short-Term Energy Outlook, November (cents per kilowatthour) 2020, CME Group, and Bloomberg, L.P. eia <sup>a</sup>West Texas Intermediate <sup>b</sup>Average regular pump price. **IOWA STATE UNIVERSITY** <sup>c</sup>On-highway retail. Extension and Outreach dU.S. Residential average. 12/7/2020



### **Questions? Comments?**

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Please share your thoughts about this presentation: <a href="https://bit.ly/2FkVMBo">https://bit.ly/2FkVMBo</a>

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### **Tax Management Resources**

- End-of-Year Considerations for an Unprecedented Year: <a href="https://www.calt.iastate.edu/blogpost/end-year-considerations-unprecedented-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideration-year-consideratio
- IRS Says No 2020 Deduction if PPP Forgiveness Reasonably Expected in 2021: <a href="https://www.calt.iastate.edu/blogpost/end-year-considerations-unprecedented-year">https://www.calt.iastate.edu/blogpost/end-year-considerations-unprecedented-year</a>