Farm Bill Decisions

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First National Bank Eagle Grove, IA March 6, 2020

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What's new in the 2018 FB?

- Switch between ARC & PLC, update PLC yields
- 2. Higher Loan Rates for Marketing Assistance Program and Loan Deficiency Payments
- Cover Crops terminated according to USDA guidelines are "good farming practice" in Crop Insurance
- 4. Improved dairy assistance
- 5. Industrial Hemp defined as ag commodity

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Learning Objectives

- Highlight ARC/PLC Decisions & Interaction with Crop Insurance
- Illustrate the Supplemental Coverage Option (SCO)
- Review a 7-Step Process for Making ARC/PLC Decisions from Example Farm
- Discuss the PLC Yield Update Process
- Feature the ISU ARC/PLC Payment Analyzer
- Feature the UIUC ARC-IC Payment Analyzer
- Provide ARC/PLC Web Sites

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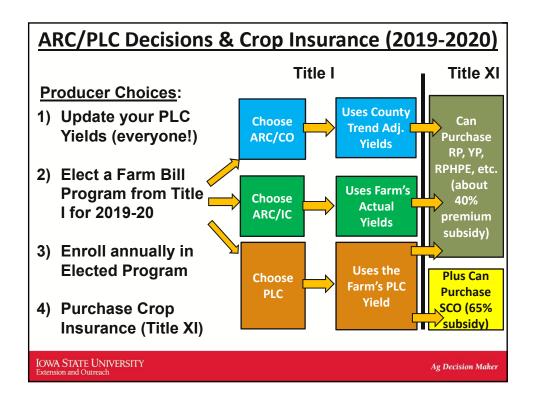
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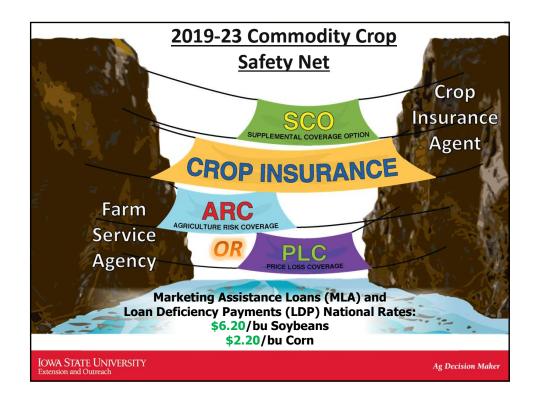
	<u>ARC</u>	2 &	PL	C
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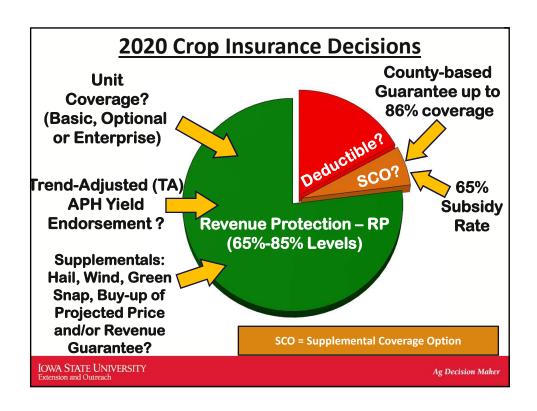
- 2018 Farm Bill Re-Authorized 2019-23
- □ PLC=Price Loss Coverage
 - ✓ Price for covered commodity falls below its effective reference price
- □ ARC=Agriculture Risk Coverage
 - ✓ Actual <u>crop revenue (income)</u> declines below a specified guarantee

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Summary of Farm Bill Programs							
Program	Trigger	Trigger Value	Payment based on:				
PLC	Marketing Year Average Price	Effective Price < \$3.70 corn, <\$8.40 soybeans	85% Base Acres by crop and farm #				
ARC-CO	County Revenue	86% (5-yr OA County Yields x 5-yr OA MYA Price)	85% Base Acres by crop and farm #				
ARC-IC	Total Farm Revenue	86% 5-yr OA Farm Revenue	65% Base Acres summed across farms under ARC-IC				
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Supplemental Coverage Option (SCO)

- <u>Endorsement</u> to Crop Insurance contract to cover part of the <u>deductible</u> in RP, YP, RPHP, APH
- Triggered by low <u>County</u> yields
- · SCO indemnity depends on:
 - > RP/YP/RPHP/APH liability, and
 - > county yield/revenue
- Crop CANNOT be enrolled in ARC
- Buy from insurance agent (65% premium subsidy)

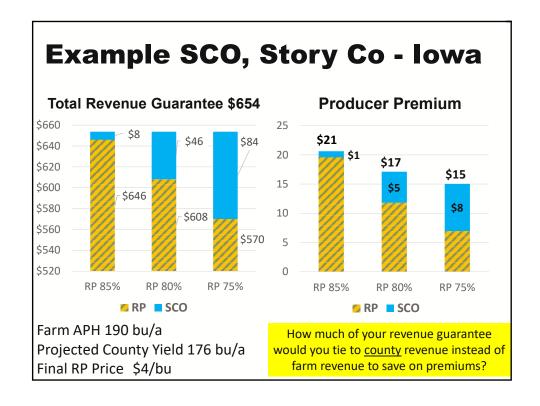
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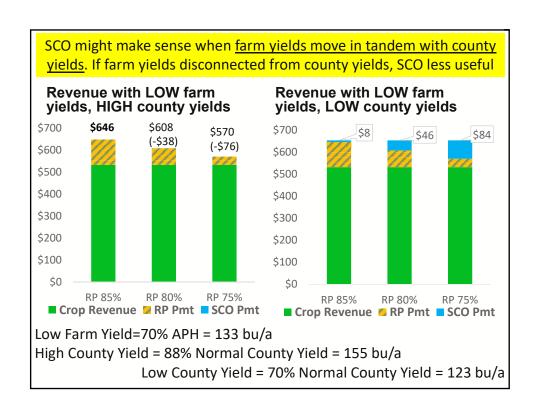
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SCO Indemnity

- Indemnity = (86% Actual County Yield or Revenue as % of "Normal") × underlying crop insurance liability
- Indemnity CAP = (86%-coverage level underlying policy) × underlying crop insurance liability

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ARC/PLC Decisions: A 7-Step Process

- Try to update to a new PLC yield using 2013 thru 2017 Crop Production Evidence effective for the 2020 crop (due SEPT 30)
- 2. Find your Farms' Base Acres & Current PLC Yields on FSA 156-EZ form
- 3. Estimate you County yields for both the 2019 and 2020 Crops (make a list)

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ARC/PLC Decisions: A 7-Step Process

- 4. Estimate the National Cash Price averages for the 2019-20 and 2020-21 Marketing Years (make another list)
- Place this information into an ARC/PLC Payment Calculator
- 6. Compare by Crop, by FSA Farm Number the potential ARC-CO vs. PLC payments for both 2019 and 2020 crops

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ARC/PLC Decisions: A 7-Step Process

- → If you had prevented planting acres in 2019, then evaluate potential ARC-IC payments.
- 7. Elect and Enroll for 2-Years your program(s) of choice:
- ARC-CO and PLC: by crop by FSA farm number
- ARC-IC: by FSA farm number (all crops in enrolled farms)

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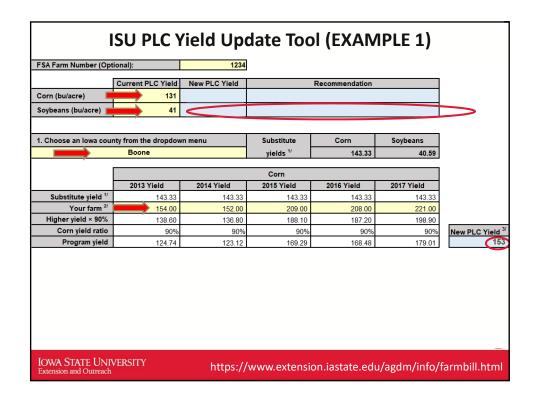
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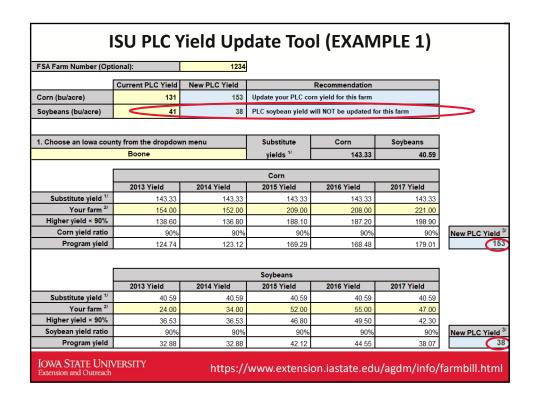
PLC Yield Update Process

- Everyone should try to Update their PLC Yields, even if they elect ARC-CO or ARC-IC.
- ➤ Deadline: September 30, 2020
- > To update PLC Yields, need:
- Production Evidence for 2013 thru 2017 Crops
- Landowners need to sign the CCC-867 Form (at least 1 landowner)
- Example: current PLC yields Corn 131 bu/a; Soybeans 41 bu/a

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Production Reporting Form Example 1 XYZ Insurance Company, L.L.C. 2013-2017 Annual Yields Application Insured Information This form contains the actual yield values reported to RMA for each commodity and farm JOE FARMER 111 150TH ST. number on the producer's MPCI policy for the **BOONE, IA 50099** years 2013-2017. The printed portion of this Mail to: insured@gmail.com data is considered a rec type of 1 - RMA data Mobile Number: 515.555.555 as this is the actual data reported to RMA. SSS/EIN *****1111 Unit Farm Avg New PLC 2014 2015 2016 2017 County Commodity 2013 Number Description Yields Yield Home 1234 208 Boone Corn 154 152 209 221 188.8 .81 153 Farm Home 24 1234 34 ? Boone Soybeans 52 55 47 ? .81 Farm IOWA STATE UNIVERSITY Extension and Outreach Ag Decision Maker





Yield Update for the PLC Program Form CCC-867 Entry Example: Corn THE FARM PLC YIELD UPDATE DECISION is made by an owner of the farm identified in Item 5 above. If FSA receives conflicting yield update from another owner, owners will be required to resolve their dispute providing CCC with written evidence of the dispute resolution by the end of the yield update period. I agree to update the PLC yield for the covered commodity, identified in Item 6 above, based on 90 percent of the farm's 2013 through 2017 average yield per planted acre, excluding any year(s) when no acreage was planted times a national factor determined by dividing the 2008-12 national yield by the 2013-2017 national yield. The covered commodity's national yield factor 7J. Multiplied by yield 7D. 2016 7A. 2013 7C. 2015 7F. Total 7I. Multiplied Multiplied by 2017 2014 Average Factor (PLC Yield) Yield (If Seed Cotton) 152.93 8. Owner's Name and Address (Including Zip Code) 9A. Signature of Owner (By) 9B. Title/Relationship of the Individual Signing in the 9C. Date (MM-DD-YYYY) Representative Capacity **IOWA STATE UNIVERSITY** Ag Decision Maker

Yield Update for the PLC Program Form CCC-867 Entry Example: Soybeans THE FARM PLC YIELD UPDATE DECISION is made by an owner of the farm identified in Item 5 above. If FSA receives conflicting yield update from another owner, owners will be required to resolve their dispute providing CCC with written evidence of the dispute resolution by the end of the yield update period. **FARM YIELD UPDATE** I agree to update the PLC yield for the covered commodity, identified in Item 6 above, based on 90 percent of the farm's 2013 through 2017 average yield per planted acre, excluding any year(s) when no acreage was planted times a national factor determined by dividing the 2008-12 national yield by the 2013-2017 national yield. The covered commodity's national yield factor Multiplied by yield Factor (PLC Yield) Multiplied by 2.4 2014 Yield 2015 Yield 2016 Yield Total Multiplied (If Seed Cotton) 40.59 52 55 47 235.18 47.04 42.33 38 8. Owner's Name and Address (Including Zip Code) The FSA software will not let you update a PLC yield if the updated yield is lower than the old PLC yield 9A. Signature of Owner (By) 9B. Title/Relationship of the Individual Signing in the 9C. Date (MM-DD-YYYY) Representative Capacity

10B. Date (MM-DD-YYYY)

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2013 Yield

40.59

10A. Signature of CCC Representative

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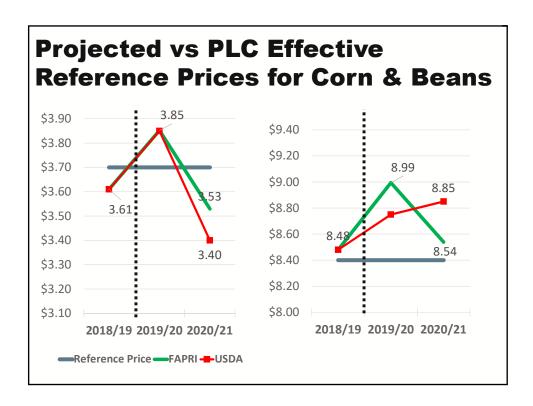
ISU PLC Yield Update Tool (EXAMPLE 2) FSA Farm Number (Optional): **Current PLC Yield** Recommendation Corn (bu/acre) 150 130 PLC corn yield will NOT be updated for this farm Soybeans (bu/acre) 40 43 Update your PLC soybean yield for this farm 1. Choose an lowa county from the dropdown menu Substitute Sovbeans Wright yields 1/ 140.88 39.48 Corn 2013 Yield 2014 Yield 2015 Yield 2016 Yield Substitute yield 1/ 140.88 140.88 140.88 Your farm 2/ 54.00 not planted 128.00 not planted 200.00 Higher yield × 90% 126.79 126.79 180.00 Corn yield ratio 90% 90% 90% 90% New PLC Yield 3/ 130 Soybeans 2013 Yield 2014 Yield 2015 Yield 2016 Yield 2017 Yield Substitute yield 1/ Your farm 2/ 55.00 50.00 not planted not planted Higher yield × 90% 45.00 49.50 Soybean yield ratio 909 90% 909 90% 909 New PLC Yield 3/ 44 55 Substitute yield is 75% of 2013-2017 simple county average yield per planted acre If yield evidence is not available for a given year the crop was grown, enter the substitute yield for "Your Farm" The new PLC yield is the simple average of annual program yields.

Price Loss Coverage

Payments made when the <u>effective price</u> is less than the <u>effective reference price</u> for a covered commodity.

- Effective Price is the <u>higher</u> of Marketing Year Avg. Price for the crop or the National Loan Rate for the crop.
- Effective Reference Price: Higher of Statutory Reference Price (\$3.70 c, \$8.40 s) and 85% of the 5-year Olympic average price, up to statutory reference price × 1.15.
- Payments made on 85% of base acres
- Payments made regardless of commodity planting

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ARC-CO Program

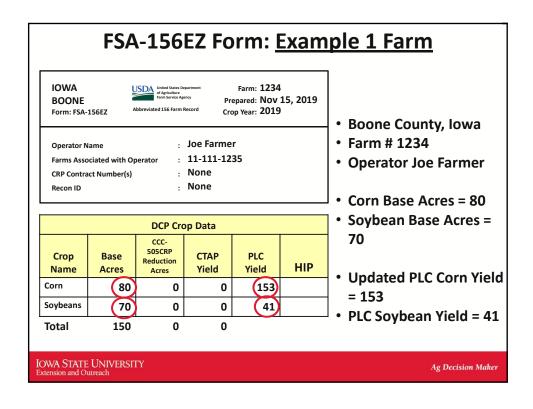
Payments made when the Actual County Revenue is <u>less</u> <u>than</u> the ARC-CO Guarantee for a covered commodity.

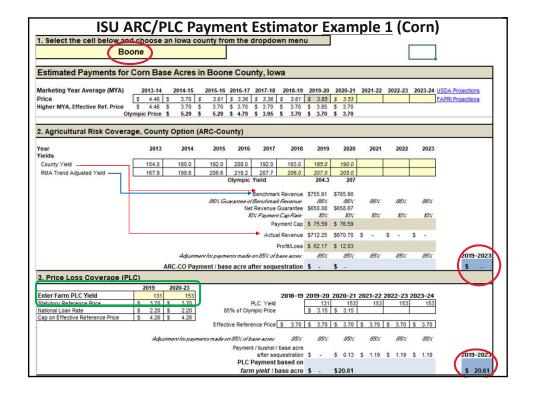
- Actual Co Revenue = Co Yield × Marketing Year Avg Price
- ARC-CO Guarantee = 86% Benchmark Revenue
- Benchmark Revenue = 5y O.Avg Price × 5y O.Avg Yield
 - →Use Highest of Trend-Adjusted Yields, 80% T-yield as yield plug
 - → Use Effective Reference Price if ERP>actual MYA price
- Max payment = 10% Benchmark Revenue
- Payments made on 85% of base acres
- Payments made regardless of commodity planting

Example Farm 1: Boone, IA

- FSA Farm # 1234
- · Operator Joe Farmer
- Uses Price projections from FAPRI (alternative USDA, or any other price projection)
- What are the projected PLC and ARC-CO payments for this farm?

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Estimated Payments fo	r Soy	bean E	Base Ac	res in Bo	one C	ounty, lov	va							
Marketing Year Average (MYA) Price	_		2014-15	2015-16	2016-17	2017-18	2018-19		19-20	2020-21	2021-22	2022-23		USDA Projections
Higher MYA, Effective Ref. Price	S	13.00 \$ 13.00 \$ Price \$	10.10 S 10.10 S 12.27 S	8.95 \$	9.47	\$ 9.33 \$ 9.33 \$ 10.86	8.48	\$ \$	9.00	\$ 8.54 \$ 8.54 \$ 9.25				FAPRI Projections
2. Agricultural Risk Cover	rage, (County	Option (ARC-Cour	nty)									
Year Yields		2013	2014	2015	2016	2017	2018		2019	2020	2021	2022	2023	
County Yield RMA Trend Adjusted Yield		41.0 46.6	50.0 53.9	54.0 57.6	61.0 63.0	56.0 59.2	55.0 60.0		50.0 61.0	55.0 59.0				
		Net Revenue Guarantee S 471.10 S 469.35								86% 10%				
						Pa	yment Cap		4.78	\$ 54.58		\$ -	s -	
						ade on 85% of t			85% 6.71	85%	85%	85%	85%	2019-20 \$ 16.7
3. Price Loss Coverage (F	PLC)													
Enter Farm PLC Yield Statutory Reference Price National Loan Rate Cap on Effective	S S	019 2 41 8.40 S 6.20 S 9.66 S	8.40 6.20 9.66		85% of O	PLC Yield lympic Price	2018-19		9-20 41 8.19	2020-21 41 \$ 7.86	2021-22 41	2022-23	2023-24 41	
cap on Enective	13	9.00 3	9.00	Eff	ective Refe	erence Price		\$	8.40		\$ 8.40	\$ 8.40	\$ 8.40	
		Adi	iustment for p	nayments mad	Payr	ment / bushel /	uestration based on		85%	85% S -	\$5% \$ 1.74	85% \$ 1.74	\$5% \$ 1.74	2019-20

Farms with prevented planting: ARC-IC Program

Payments are made when the ARC-IC Actual Revenue is <u>less</u> <u>than</u> the ARC-IC Guarantee for ALL covered commodities on ALL farms enrolled in ARC-IC in the state for the producer.

- ARC-IC Guarantee = 86% ARC-IC Benchmark Revenue
- Max Payment = 10% ARC-IC Benchmark Revenue
- Payments made on 65% of base acres
- ARC-IC benchmarks, guarantees and actual revenues are calculated at the farm level and <u>WEIGHTED</u> to the producer's share of the covered commodities planted across all enrolled ARC-IC farm(s) in the state.

Source: Iowa State FSA Office

ARC-IC Calculations Require Lots of Information

Download the What-If Tool:

https://farmdoc.illinois.edu/2018-farm-bill

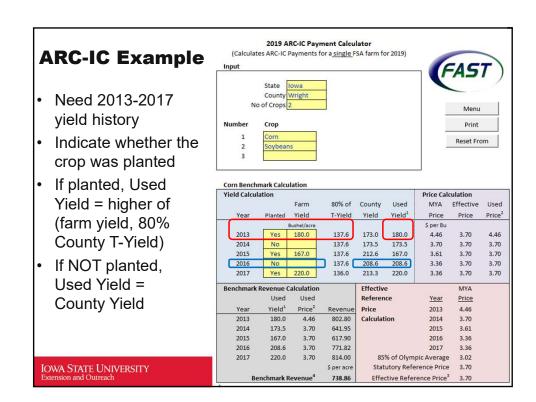
- For only 1 farm, use tab "arc-ic"
- For multiple farms, use tab " arc-ic-multi"
- How to use it video: https://www.youtube.com/watch?v=nsjT-hegdp8

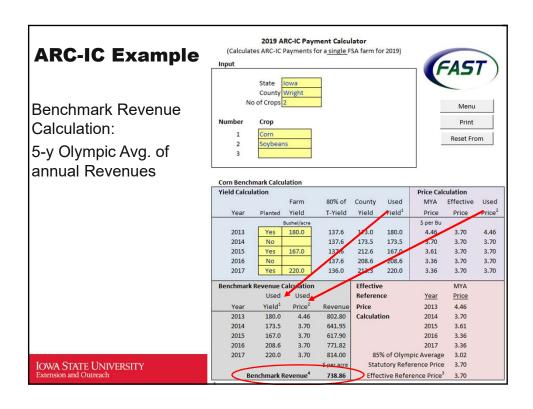
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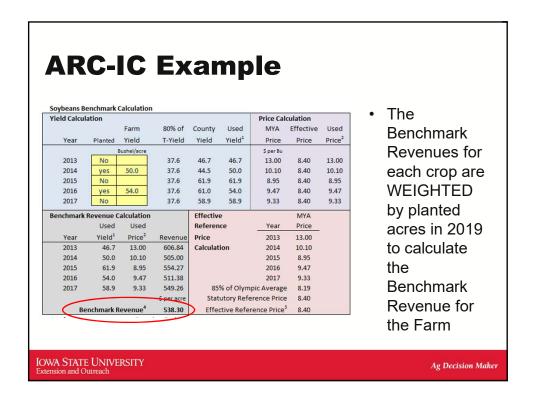
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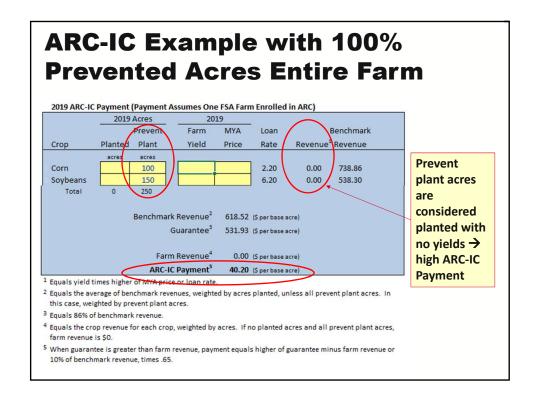
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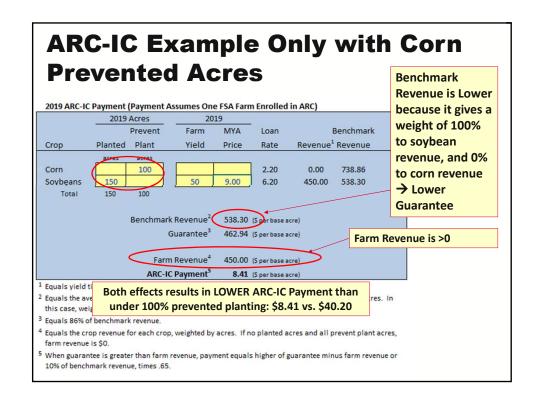
farmdoc











ARC/PLC Web Sites

USDA Farm Service Agency (FSA)

https://www.fsa.usda.gov/programs-andservices/arcplc_program/index

- ISU Ag Decision Maker
 - (Farm Bill Information, Sequenced Videos, ARC/PLC Payment Estimator)
 www.extension.iastate.edu/agdm/info/farmbill.html
- Farm Doc U of IL Extension Economics
 - (Daily e-Newsletter articles, Webinars, ARC/PLC Tool)
 https://go.illinois.edu/fd-ARCPLC
- FAPRI University of Missouri
 - (October U.S. Baseline Outlook & Crop Price Projections)
 www.fapri.missouri.edu
- Texas A & M University
 - Farm Bill Decision Aid Tool
 https://agrilifeextension.tamu.edu/solutions/farm-bill-decision-aid-tool/

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Thank you for your attention!

Questions? Comments?

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