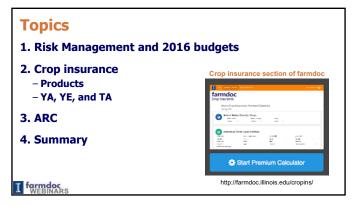
Crop Insurance, ARC, and Risk Management Update

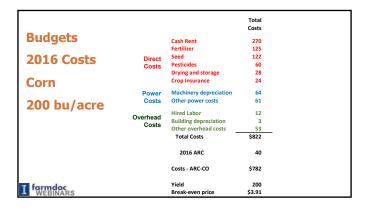
Gary Schnitkey, Nick Paulson, and Bruce Sherrick University of Illinois

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Risk Management Tools Balance sheet reserves Working capital Credit reserves Crop insurance / marketing ARC – government programs



			Total	No
B. J. H.			Costs	Depreciation
Budgets		Cash Rent	270	270
_		Fertilizer	125	125
2016 Costs	Direct	Seed	122	122
2010 C05t5	Costs	Pesticides	60	60
		Drying and storage	28	28
Corn		Crop Insurance	24	24
	Power	Machinery depreciation	64	
200 bu/acre	Costs	Other power costs	61	61
200 bu/acre		Hired Labor	12	12
	Overhead Costs	Building depreciation	3	
		Other overhead costs	53	56
		Total Costs	\$822	\$758
		2016 ARC	40	40
		Costs - ARC-CO	\$782	\$718
farmalas		Yield	200	200
WEBINARS		Break-even price	\$3.91	\$3.59

			Total Costs	No Depreciation	No. Dep Overhead
Budgets		Cash Rent	270	270	270
		Fertilizer	125	125	125
2016 Costs	Direct	Seed	122	122	122
2010 C05t5	Costs	Pesticides	60	60	60
		Drying and storage	28	28	28
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	Power	Machinery depreciation	64		
200 bu/acre	Costs	Other power costs	61	61	61
200 bu/acie		Hired Labor	12	12	12
	Overhead Costs	Building depreciation	3		
	Costs	Other overhead costs	53	56	
		Total Costs	\$822	\$758	\$702
		2016 ARC	40	40	40
		Costs - ARC-CO	\$782	\$718	\$662
7 farmeles		Yield	200	200	200
WEBINARS		Break-even price	\$3.91	\$3.59	\$3.31

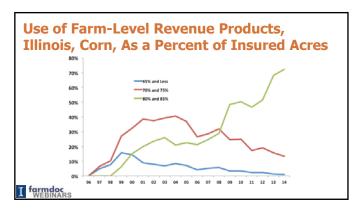


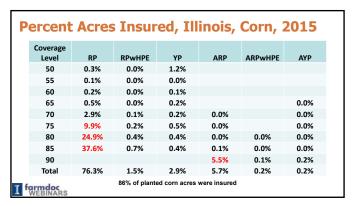
		Total	No	No. De
- · ·		Costs	Depreciation	Overhea
Budgets	Cash Rent	270	270	27
_	Fertilizer	32	32	3
2016 Costs	Seed	76	76	7
2010 C05t5	Pesticides	41	41	4
	Drying and storage	5	5	
Soybeans	Crop Insurance	18	18	1
20,200	Machinery depreciation	59		
56 bu/acre	Other power costs	58	58	5
30 Du/acre	Hired Labor	12	12	1
	Building depreciation	5		
	Other overhead costs	46	46	
	Total Costs	\$622	\$558	\$51
	2016 ARC	40	40	4
	Costs - ARC-CO	\$582	\$518	\$47
former days	Yield	60	60	6
WERINARS	Break-even price	\$9.70	\$8.63	\$7.8

Midwest States)	2011	2012	2013	2014	2015	2016
Corn						
Projected Price	6.01	5.68	5.65	4.62	4.15	\$3.87
Harvest Price	6.32	7.50	4.39	3.49	3.82	
Soybeans						
Projected Price	13.49	12.55	12.87	11.36	9.74	\$8.87
Harvest Price	12.14	15.39	12.87	9.65	8.91	
 Projected price – average of Dec. (corn) of Nov. (beans) CME futures contract in February, used to set insurance guarantees. 						

Expected Revenue / Guarantees, Corn Expected Revenue: (\$3.87 - .25) x 200.0 bu= \$724 per acre 85% RP guarantee (\$3.87 x 200 x .85) = \$657 per acre Above example: Expected yield = TA-APH yield = 200 bu/acre Total costs – ARC-C0 = \$737 per acre

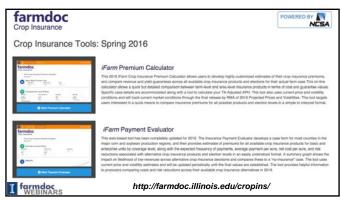


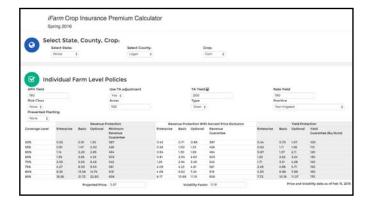






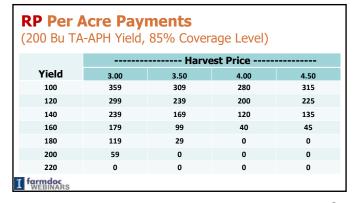






RP Guarantee Example					
	Corn	Soybeans			
TA-APH yield	200	60			
Projected price	3.87	8.87			
Harvest price (avg during Oct)	> 3.87	> 8.87			
RP uses higher of projected or harvest price in guarantee					
Coverage level	85%	85%			
Guarantee (Corn 200 x 5.00 x .85)	\$850	\$510			
Guarantee (Corn 200 x 5.00 x .85) \$850 \$510 Harvest price will not be known till end of October					

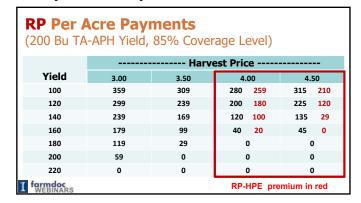
RP Guarantee Example		
	Corn	Soybeans
TA-APH yield	200	60
Projected price	3.87	8.87
Harvest price (avg during Oct)	> 3.87	> 8.87
RP uses higher of projected or har	vest price in gu	arantee
Harvest price	\$5.00	\$10.00
Coverage level	85%	85%
Guarantee (Corn 200 x 5.00 x .85)	\$850	\$510
Yield below which payments occur	170	51
Harvest price will not be known	till end of Octob	er
farmdoc RP-HPE does not have the guar	antee increase	

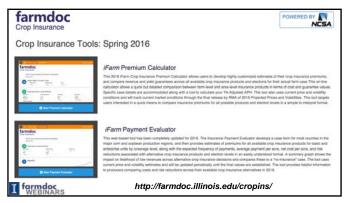


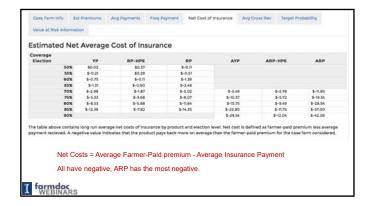


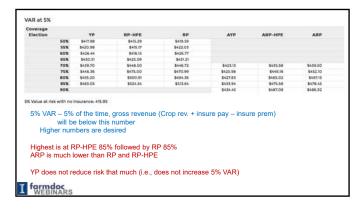
23 Feb 2016

Crop Insurance, ARC, and Risk Management Update

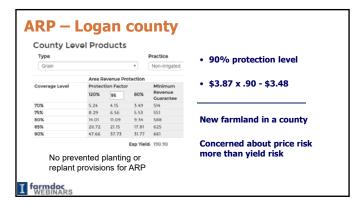






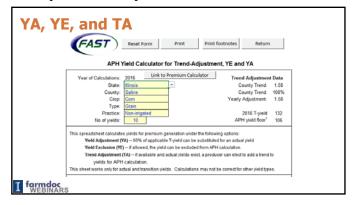


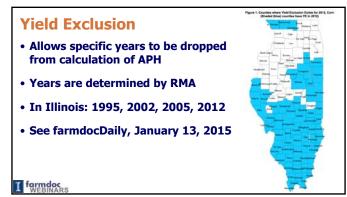


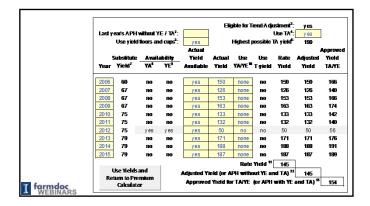


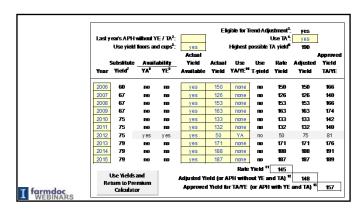


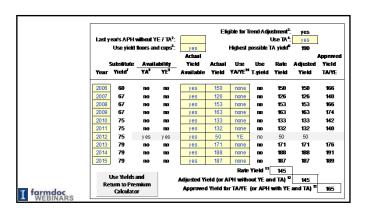
Crop Insurance, ARC, and Risk Management Update

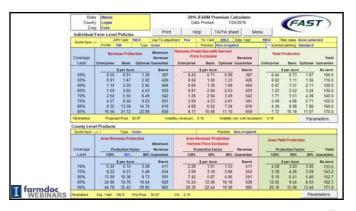














ARC and PLC

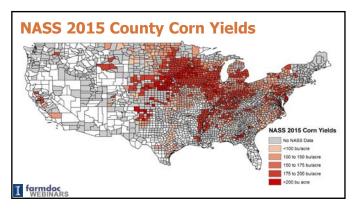
- 2015 Payment Estimates based on:
 - Midpoint of February WASDE report for MYA prices
 - Still in the marketing year for corn, beans, and wheat; final prices not yet known
 - NASS county yields released Feb 18th
 - Not all ARC counties/practices are covered by the NASS yields
 - Note actual FSA yields used for ARC will differ

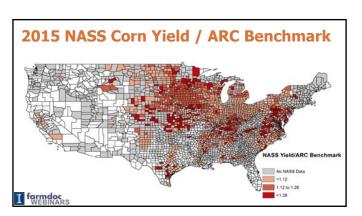
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PLC - Expected 2015/16MYA Prices • February WASDE report:			
	Corn	Soybeans	Wheat
Feb. WASDE Range	\$3.35 to \$3.85	\$8.05 to \$9.55	\$4.90 to \$5.10
Feb. WASDE Midpoint	\$3.60	\$8.80	\$5.00
PLC Reference Price	\$3.70	\$8.40	\$5.50
PLC Payment Rate	\$0.10	\$0.00	\$0.50
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ARC - 2014 Benchmark Prices				
	Corn	Soybeans	Wheat	
2009	\$3.55	\$9.59	\$4.87	
2010	\$5.18	\$11.30	\$5.70	
2011	\$6.22	\$12.50	\$7.24	
2012	\$6.89	\$14.40	\$7.77	
2013	\$4.46	\$13.00	\$6.87	
2014	\$3.70	\$10.10	\$5.99	
2014 ARC Benchmark Price	\$5.29	\$12.27	\$6.60	
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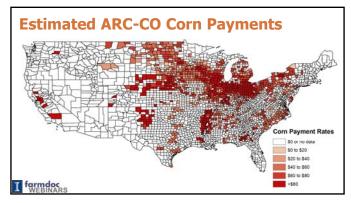
ARC – 201	ARC – 2015 Benchmark Prices			
	Corn	Soybeans	Wheat	
2009	\$3.55	\$9.59	\$4.87	
2010	\$5.18	\$11.30	\$5.70	
2011	\$6.22	\$12.50	\$7.24	
2012	\$6.89	\$14.40	\$7.77	
2013	\$4.46	\$13.00	\$6.87	
2014	\$3.70	\$10.10	\$5.99	
2015 ARC Benchmark Price	\$5.29	\$12.27	\$6.70	
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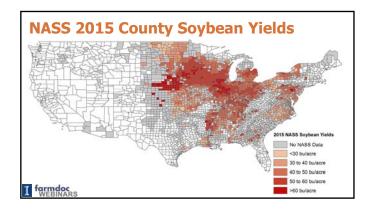






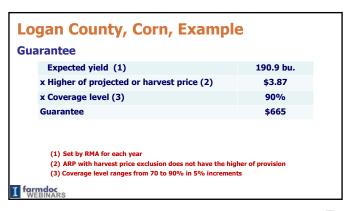
ated AR	C-CO C	Corn Pa	yments
State	NASS Data Available ¹	ARC Payment ²	Max ARC Payment ²
Iowa	97%	84%	9%
Illinois	90%	94%	66%
Nebraska	76%	85%	37%
Minnesota	75%	71%	14%
Indiana	89%	94%	71%
South Dakota	61%	79%	21%
Kansas	49%	23%	5%
Wisconsin	79%	76%	32%
Ohio	93%	98%	94%
s		ties with ARC-CO in 201 ities where NASS is repo	













Logan County, Corn, Example Policy Protection	e
Expected yield	190.9 bu.
x Higher of projected or harvest price (1)	\$3.87
x Farmer choice of protection factor (2)	1.2
Protection level	\$887
(1) ARP with harvest price exclusion does not have higher (2) Ranges from .8 to 1.2, under GRIP was the Protection I	•
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