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This information is based on our understanding of the 2018 Farm Bill. This information is intended for educational purposes only. Keep checking www.AgManager.info for the latest information

2018 Farm Bill Titles

- Title I: Commodities
- Title II: Conservation
- Title III: Trade
- Title IV: Nutrition
- Title V: Credit
- Title VI: Rural Development

- Title VII: Research, Education, and **Related Matters**
- Title VIII: Forestry
- Title IX: Energy
- Title X: Horticulture
- Title XI: Crop Insurance
- Title XII: Miscellaneous

Farm Bill Budget Projected Outlays, FY2019-2028 Crop Insurance, 9% Commodities, 7% Conservation, 7% Other Programs, 0.49% **Nutrition, 77%** Source: Congressional Research Service and Congressional Budget Office

Decisions to be made...

Elect a Program

Decision for each Commodity (85% of base)

All Commodities on Farm (65% of total base)

PRICE LOSS COVERAGE (PLC)

AGRICULTURAL RISK
COVERAGE
- County Level (ARC-CO)

AGRICULTURAL RISK
COVERAGE
- Individual Level (ARC-IC)

Supplemental Coverage
Option
(SCO)

Purchased on Planted Acres



Brief Review of ARC-CO and PLC Design

- ARC-CO Low **revenue** program
 - Triggers when revenue is below 86% of county benchmark: set by last 5 years (with 1 lag year)of national Marketing Year Average prices and county yields
 - Payments determined on <u>county-by-county</u> basis, subject to a 10% payment cap.
- PLC Low **price** program
 - Triggers when national Marketing Year Average price below the reference price for the crop.
 - Payments determined by a <u>national</u> price, and paid on farm base acres and program yields.
 - Subject to a much higher cap
 - Also provided the option for SCO.



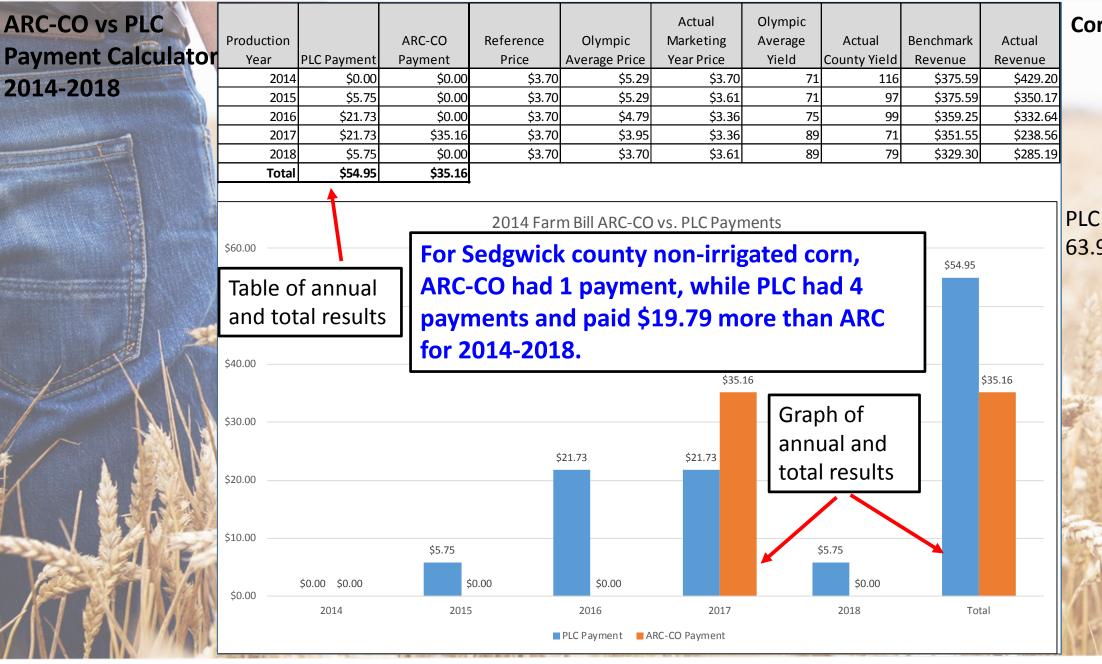
Percent of Farms that Made an ARC/PLC Election Nationally by Crop

Commodity	PLC	ARC-CO	ARC-IC
BARLEY	57%	42%	1%
CANOLA	93%	7%	1%
CORN	9%	91%	0%
DRY PEAS	44%	53%	3%
FLAXSEED	59%	40%	1%
GRAIN SORGHUM	54%	46%	0%
MUSTARD	53%	42%	4%
OATS	23%	76%	0%
SAFFLOWER	57%	40%	2%
SESAME	76%	24%	0%
SOYBEANS	4%	96%	0%
SUNFLOWERS	49%	50%	1%
WHEAT	34%	66%	0%



Percent of <u>Farms</u> that made an ARC/PLC election Kansas by Crop

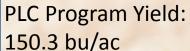
	Commodity	PLC	ARC-CO	ARC-IC
	BARLEY	46%	54%	0%
	CANOLA	68%	32%	0%
	CORN	17%	82%	0%
1	DRY PEAS	27%	73%	0%
1	FLAX	100%	0%	0%
	GRAIN SORGHUM	47%	52%	0%
	MUSTARD	0%	100%	0%
A Comment	OATS	29%	71%	0%
1000	SAFFLOWER	62%	38%	0%
	SESAME	56%	44%	0%
A STATE OF THE PARTY OF THE PAR	SOYBEANS	12%	88%	0%
	SUNFLOWERS	33%	66%	1%
L	WHEAT	23%	76%	0%

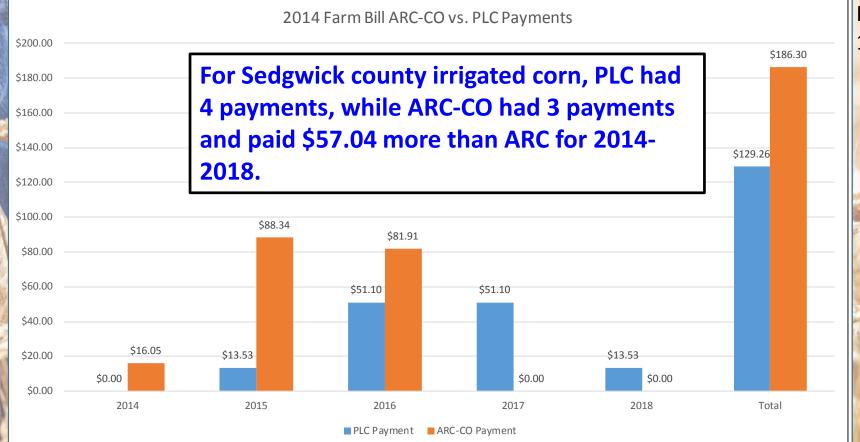


Corn - Nonirrigated

PLC Program Yield: 63.9 bu/ac

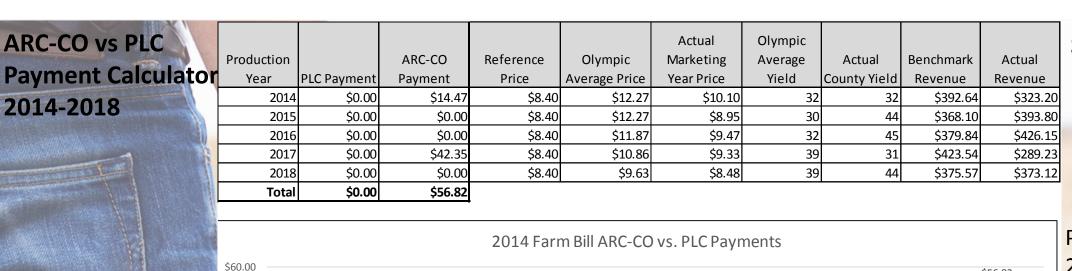






ARC-CO vs PLC

2014-2018



Soybeans - All





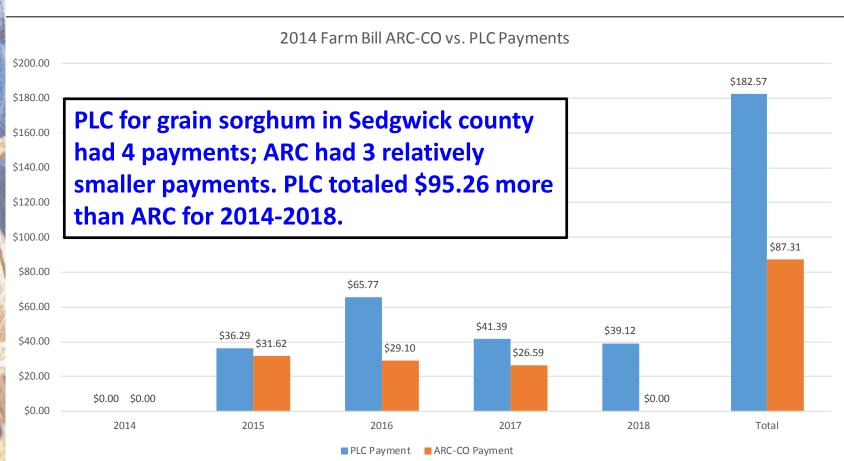
For Sedgwick county soybeans, PLC did no

\$20.00

\$10.00

Actual Olympic Production ARC-CO Marketing Reference Olympic Average Actual Benchmark Actual **Payment Calculator PLC Payment** Year Price Average Price Year Price Yield County Yield Revenue **Payment** Revenue \$0.00 \$3.95 \$5.10 \$4.03 2014 \$0.00 63 \$321.30 \$306.28 76 2015 \$36.29 \$31.62 \$3.95 \$5.10 \$3.31 62 65 \$316.20 \$215.15 \$65.77 \$29.10 \$3.95 \$4.77 \$2.79 55 \$290.97 \$153.45 2016 61 59 2017 \$41.39 \$26.59 \$3.95 \$4.09 \$3.22 65 \$265.85 \$189.98 \$3.95 \$3.98 71 2018 \$39.12 \$0.00 \$3.26 67 \$266.66 \$231.46 \$182.57 \$87.31 **Total**





PLC Program Yield: 56.7 bu/ac

ARC-CO vs PLC

2014-2018

ARC-CO vs PLC
Payment Calculator
2014-2018

					Actual	Olympic			
Production		ARC-CO	Reference	Olympic	Marketing	Average	Actual	Benchmark	Actual
Year	PLC Payment	Payment	Price	Average Price	Year Price	Yield	County Yield	Revenue	Revenue
2014	\$0.00	\$26.40	\$5.50	\$6.60	\$5.99	40	25	\$264.00	\$149.75
2015	\$21.96	\$25.46	\$5.50	\$6.70	\$4.89	38	38	\$254.60	\$185.82
2016	\$57.96	\$25.46	\$5.50	\$6.70	\$3.89	38	49	\$254.60	\$190.61
2017	\$28.08	\$15.00	\$5.50	\$6.12	\$4.72	45	47	\$275.40	\$221.84
2018	\$12.24	\$24.90	\$5.50	\$5.66	\$5.16	44	35	\$249.04	\$180.60
Total	\$120.24	\$117.22			-			,	

Wheat - All



Wheat in Sedgwick county had ARC payments in all 5 years of the program. There were only 4 PLC payments, but PLC totaled \$3.02 more than ARC for 2014-2018. Compare the first two years (ARC better) vs. the next two years (PLC better), with ARC higher in the last year.





\$120.24 \$117.22

What we did last time around...

- Farmers with more experience picked PLC
 - More experience with low price scenarios than newer farmers who just came off a run of very good incomes
- Farmers with higher crop insurance coverage levels preferred ARC
 - Did not see advantage to SCO option under PLC
- High levels of uncertainty pushed people toward PLC
 - Simpler program and more attractive for people who "just weren't sure" what program to pick
- Current information on payouts of ARC in 2014 in certain counties pushed people toward ARC
 - Bird-in-hand attitude versus looking at the entire 5-year period

What do we expect this time around?

- Tendency to look backwards and try to fix our (perceived) mistakes
- But we have to keep looking forward and using the best information we have to determine which program is the best fit
- Risk management versus highest payout
 - Is your farm more susceptible to catastrophic price scenario or shallow loss?
- MFP payments will be supplementing the ARC/PLC payments and may end up being higher for some people
 - Do not depend on MFP in the long run...

PLC - ARC Producer Election

- The election between ARC/PLC is one of the key changes in the 2018 Farm Bill
 - \circ The initial election will be in 2019 for the first 2 years of the planned 5 year program, i.e., MY 2019/20 & MY 2020/21
 - Beginning with the 2021 crop year, producers will be allowed to change their ARC/PLC program. elections annually

Timeline

		Beginning	End
	2019 Enrollment (Elect programs for 2019 & 2020)	September 3 rd ,2019	March 15 th ,2020
	2020 Enrollment	October 1st, 2019	June 30 th , 2020
	2020 Yield Update	October 1st, 2019	September 30 th , 2020
1	2019 ARC/PLC Payments Received	October 2020	

Future years (2021-2023) will have an Oct. 1st-March 15th enrollment period

Unassigned Base Acres

- Farmers-ranchers who planted their entire farm to grass and pasture all years from 2009-2017 will have their base "unassigned".
- Question: What is NOT grass and pasture?
 - All program crops.
 - Alfalfa
 - Farmers who planted base acres to wheat or oats and harvested it as hay or pasture are considered planted to a program crop.
 - CRP is considered planted and not grass/pasture
 - Farmers who planted triticale, brome, or similar forages for hay or grazing are in a "gray" area. What is the definition of "grass"? It will need to be interpreted by the Secretary.
 - Base acres converted to grass hay or native grass pasture are NOT considered planted to a crop.

Unassigned Base Acres

- Farmers (ranchers) who have their base "unassigned" will continue have their acres considered "planted" to program crops during the life of this farm bill so it will maintain the base for future legislation.
- These base acres will be "unassigned" from receiving commodity payments, but eligible for the Conservation Stewardship Program (CSP) grasslands program payment at a rate of \$18/acre.
- They will need to sign up for this NRCS program (not automatic) and address at least one resource concern

What Changed in PLC?

1. "Effective Reference Price" instead of just the statutory reference prices

Commodity	2018 Farm Bill Statutory Price (\$/bu)	Highest "Effective" Reference Price Possible (115% of Statute)
Wheat	5.50	6.33
Corn	3.70	4.26
Sorghum	3.95	4.54
Soybeans	8.40	9.66

What Changed in PLC?

2. Payment Yield Update will again be offered by 2020

- The 2020 update is intended to benefit farmers who sustained multiple years of losses during the 2008-2012 crop years used to calculate the 2014 updated program yield.
- Will use the farm's yields from 2013-2017, excluding any years that the crop was not planted
- Low yield years will be replaced by 75% of the county average yield from 2013-2017
- The average farm yield over these years (after low yield replacement) will be multiplied by 90% and then by a "detrending" factor

Don't get caught up in the formula. FSA will run this for you. If the update is higher than your current established yield, **UPDATE, even if in PLC

Changes made to ARC County

Increase the transitional yield plug to 80% from 70% used for the Olympic average yield calculation for ARC.

County Yield		
2015	100	
2016	120	
2017	80	4
2018	30	
2019	110	
Olympic Average	96.7	

• A trend yield adjustment, similar to crop insurance's SCO trend adjustment, will be applied to ARC which will also increase the guarantee in many cases

Changes made to ARC County

- ARC payments will be based on county where base acres are located rather than administrative county.
- Prioritize RMA data in the calculation of county yields used for the ARC guarantee and actual yields.



Changes made to ARC County

- There will be a separate irrigated and non-irrigated yield ARC guarantee for corn, soybeans, sorghum, and wheat for Sedgwick County
- The 5 year guarantee will have a "lag" year
 - 2019 Guarantee will include years 2013-2017
 - 2020 Guarantee will include years 2014-2018



U.S. Wheat Ending Stocks & Prices



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What program should I choose?

- PLC payments will be made if the MYA price drops below \$5.50
- PLC payment will exceed ARC-CO
 payments at any yield level if price drops
 below \$4.93
- With an average yield (45 bushels), ARC-CO will not start paying until price falls below \$4.77
- If the county yield is *lower* than average, ARC-CO will pay at much higher prices BUT if the county yield is *higher* than average, it will take a large price loss to trigger any payment
- ARC-CO maximum payment will be \$25.27 per acre in 2019

ARCI	Payments vs	. PLC Pay	ments Under	Different	Yields and	d Prices fo	· 2019/20 N	/larketing Y	ear
County:	Sedgwick		Crop:	Wh	eat		Type:	Nonirri	gated
				ARC				PLC	
5 Yr. Olymp	ic Avg. Cour	nty Yield		44.65		Program \	'ield	44.7	
5 Yr. Olymp	oic Avg. MYA	Price		\$5.66		Reference	Price	\$5.50	
Benchmark	Revenue			\$252.72					
Guaranteed	d Revenue			\$217.34		PLC> ARC-	·CO max @	\$4.93	
					Yie	eld			
		27	30	33	37	41	45	50	54
	PLC								
MYA Price	Payment				ARC Pa	ayment			
\$6.19	\$0.00	\$25.27	\$25.27	\$13.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$6.07	\$0.00	\$25.27	\$25.27	\$17.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$5.95	\$0.00	\$25.27	\$25.27	\$20.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$5.83	\$0.00	\$25.27	\$25.27	\$24.95	\$1.63	\$0.00	\$0.00	\$0.00	\$0.00
\$5.72	\$0.00	\$25.27	\$25.27	\$25.27	\$5.70	\$0.00	\$0.00	\$0.00	\$0.00
\$5.61	\$0.00	\$25.27	\$25.27	\$25.27	\$9.77	\$0.00	\$0.00	\$0.00	\$0.00
\$5.50	\$0.00	\$25.27	\$25.27	\$25.27	\$13.84	\$0.00	\$0.00	\$0.00	\$0.00
\$5.39	\$4.91	\$25.27	\$25.27	\$25.27	\$17.91	\$0.00	\$0.00	\$0.00	\$0.00
\$5.28	\$9.82	\$25.27	\$25.27	\$25.27	\$21.98	\$0.86	\$0.00	\$0.00	\$0.00
\$5.17	\$14.73	\$25.27	\$25.27	\$25.27	\$25.27	\$5.37	\$0.00	\$0.00	\$0.00
\$5.07	\$19.20	\$25.27	\$25.27	\$25.27	\$25.27	\$9.47	\$0.00	\$0.00	\$0.00
\$4.97	\$23.66	\$25.27	\$25.27	\$25.27	\$25.27	\$13.57	\$0.00	\$0.00	\$0.00
\$4.87	\$28.13	\$25.27	\$25.27	\$25.27	\$25.27	\$17.67	\$0.00	\$0.00	\$0.00
\$4.77	\$32.59	\$25.27	\$25.27	\$25.27	\$25.27	\$21.77	\$2.69	\$0.00	\$0.00
\$4.67	\$37.06	\$25.27	\$25.27	\$25.27	\$25.27	\$25.27	\$7.19	\$0.00	\$0.00
\$4.58	\$41.08	\$25.27	\$25.27	\$25.27	\$25.27	\$25.27	\$11.24	\$0.00	\$0.00
\$4.49	\$45.10	\$25.27	\$25.27	\$25.27	\$25.27	\$25.27	\$15.29	\$0.00	\$0.00
\$4.40	\$49.12	\$25.27	\$25.27	\$25.27	\$25.27	\$25.27	\$19.34	\$0.00	\$0.00

What program should I choose?

- PLC payments will be made if the MYA price drops below \$5.50
- PLC payment will exceed ARC-CO payments at any yield level if price drops below \$4.93
- With an average yield (63 bushels), ARC-CO will not start paying until price falls below \$4.77
- If the county yield is *lower* than average, ARC-CO will pay at much higher prices BUT if the county yield is *higher* than average, it will take a large price loss to trigger any payment

11/20/2019

ARC-CO maximum payment will be \$35.49 per acre in 2019

ARCI	ayınıenıs VS	o. PLC Pdy	ments Under	Dinerent	TIEIUS and	a Filles IOI	7013/20 IV	iai ketiiig Y	Cai
County:	Sedgwick		Crop:	Wh	eat		Type:	Irriga	ted
				ARC				PLC	
5 Yr. Olymp	ic Avg. Cour	nty Yield		62.71		Program Y	'ield	62.7	
5 Yr. Olymp	ic Avg. MYA	Price		\$5.66		Reference	Price	\$5.50	
Benchmark	Revenue			\$354.94					
Guaranteed	Revenue			\$305.25		PLC> ARC-	CO max @	\$4.93	
					Yie	eld			
		37	41	46	51	57	63	69	7
	PLC								
MYA Price	Payment				ARC Pa	yment			
\$6.19	\$0.00	\$35.49	\$35.49	\$20.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$6.07	\$0.00	\$35.49	\$35.49	\$26.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$5.95	\$0.00	\$35.49	\$35.49	\$31.55	\$1.80	\$0.00	\$0.00	\$0.00	\$0.00
\$5.83	\$0.00	\$35.49	\$35.49	\$35.49	\$7.92	\$0.00	\$0.00	\$0.00	\$0.00
\$5.72	\$0.00	\$35.49	\$35.49	\$35.49	\$13.53	\$0.00	\$0.00	\$0.00	\$0.00
\$5.61	\$0.00	\$35.49	\$35.49	\$35.49	\$19.14	\$0.00	\$0.00	\$0.00	\$0.00
\$5.50	\$0.00	\$35.49	\$35.49	\$35.49	\$24.75	\$0.00	\$0.00	\$0.00	\$0.00
\$5.39	\$6.90	\$35.49	\$35.49	\$35.49	\$30.36	\$0.00	\$0.00	\$0.00	\$0.00
\$5.28	\$13.79	\$35.49	\$35.49	\$35.49	\$35.49	\$4.29	\$0.00	\$0.00	\$0.00
\$5.17	\$20.69	\$35.49	\$35.49	\$35.49	\$35.49	\$10.56	\$0.00	\$0.00	\$0.00
\$5.07	\$26.96	\$35.49	\$35.49	\$35.49	\$35.49	\$16.26	\$0.00	\$0.00	\$0.00
\$4.97	\$33.23	\$35.49	\$35.49	\$35.49	\$35.49	\$21.96	\$0.00	\$0.00	\$0.00
\$4.87	\$39.50	\$35.49	\$35.49	\$35.49	\$35.49	\$27.66	\$0.00	\$0.00	\$0.00
\$4.77	\$45.77	\$35.49	\$35.49	\$35.49	\$35.49	\$33.36	\$4.74	\$0.00	\$0.00
\$4.67	\$52.04	\$35.49	\$35.49	\$35.49	\$35.49	\$35.49	\$11.04	\$0.00	\$0.00
\$4.58	\$57.68	\$35.49	\$35.49	\$35.49	\$35.49	\$35.49	\$16.71	\$0.00	\$0.00
\$4.49	\$63.33	\$35.49	\$35.49	\$35.49	\$35.49	\$35.49	\$22.38	\$0.00	\$0.00
\$4.40	\$68.97	\$35.49	\$35.49	\$35.49	\$35.49	\$35.49 ∠ b	\$28.05	\$1.65	\$0.00

U.S. Corn % Stocks/Use vs Price\$



What program should I choose?

- PLC payments will be made if the MYA price drops below \$3.70
- PLC payment will exceed ARC-CO
 payments at any yield level if price drops
 below \$3.33
- With an average yield (99 bushels), ARC-CO will not start paying until price falls below \$3.15
- If the county yield is *lower* than average, ARC-CO will pay at much higher prices BUT if the county yield is *higher* than average, it will take a large price loss to trigger any payment
- ARC-CO maximum payment will be \$36.77 per acre in 2019

ARC I	Payments vs	s. PLC Pay	ments Under	Different	Yields and	d Prices for	2019/20 N	/larketing \	'ear
County:	Sedgwick		Crop:	Co	rn		Type:	Nonirri	gated
				ARC				PLC	
5 Yr. Olymp	ic Avg. Cour	nty Yield		99.39		Program Y	ield	99.4	
5 Yr. Olymp	ic Avg. MYA	Price		\$3.70		Reference		\$3.70	
Benchmark	enchmark Revenue			\$367.74					
Guaranteed	Guaranteed Revenue			\$316.26		PLC> ARC-	CO max @	\$3.33	
					Yie	eld			
		59	65	72	80	89	99	109	119
	PLC								
MYA Price	Payment				ARC Pa	yment			
\$4.17	\$0.00	\$36.77	\$36.77	\$16.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$4.09	\$0.00	\$36.77	\$36.77	\$21.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$4.01	\$0.00	\$36.77	\$36.77	\$27.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$3.93	\$0.00	\$36.77	\$36.77	\$33.30	\$1.86	\$0.00	\$0.00	\$0.00	\$0.00
\$3.85	\$0.00	\$36.77	\$36.77	\$36.77	\$8.26	\$0.00	\$0.00	\$0.00	\$0.00
\$3.77	\$0.00	\$36.77	\$36.77	\$36.77	\$14.66	\$0.00	\$0.00	\$0.00	\$0.00
\$3.70	\$0.00	\$36.77	\$36.77	\$36.77	\$20.26	\$0.00	\$0.00	\$0.00	\$0.00
\$3.63	\$6.96	\$36.77	\$36.77	\$36.77	\$25.86	\$0.00	\$0.00	\$0.00	\$0.00
\$3.56	\$13.92	\$36.77	\$36.77	\$36.77	\$31.46	\$0.00	\$0.00	\$0.00	\$0.00
\$3.49	\$20.87	\$36.77	\$36.77	\$36.77	\$36.77	\$5.65	\$0.00	\$0.00	\$0.00
\$3.42	\$27.83	\$36.77	\$36.77	\$36.77	\$36.77	\$11.88	\$0.00	\$0.00	\$0.00
\$3.35	\$34.79	\$36.77	\$36.77	\$36.77	\$36.77	\$18.11	\$0.00	\$0.00	\$0.00
\$3.28	\$41.75	\$36.77	\$36.77	\$36.77	\$36.77	\$24.34	\$0.00	\$0.00	\$0.00
\$3.21	\$48.71	\$36.77	\$36.77	\$36.77	\$36.77	\$30.57	\$0.00	\$0.00	\$0.00
\$3.15	\$54.67	\$36.77	\$36.77	\$36.77	\$36.77	\$35.91	\$4.41	\$0.00	\$0.00
\$3.09	\$60.63	\$36.77	\$36.77	\$36.77	\$36.77	\$36.77	\$10.35	\$0.00	\$0.00
\$3.03	\$66.60	\$36.77	\$36.77	\$36.77	\$36.77	\$36.77	\$16.29	\$0.00	\$0.00
\$2.97	\$72.56	\$36.77	\$36.77	\$36.77	\$36.77	\$36.77	\$22.23	\$0.00	\$0.00

What program should I choose?

- PLC payments will be made if the MYA price drops below \$3.70
- PLC payment will exceed ARC-CO payments at any yield level if price drops below \$3.33
- With an average yield (182 bushels), ARC-CO will not start paying until price falls below \$3.15
- If the county yield is *lower* than average, ARC-CO will pay at much higher prices BUT if the county yield is *higher* than average, it will take a large price loss to trigger any payment
- ARC-CO maximum payment will be \$67.47 per acre in 2019

ARC F	Payments vs	. PLC Pay	ments Under	Different	Yields and	d Prices for	2019/20 N	larketing Y	ear
County:	Sedgwick		Crop:	Co	rn		Type:	Irriga	ted
			_	ARC				PLC	
5 Yr. Olymp	ic Avg. Cour	nty Yield		182.36		Program Y	ield	182.4	
5 Yr. Olymp	ic Avg. MYA	Price		\$3.70		Reference	Price	\$3.70	
Benchmark	Revenue			\$674.73					
Guaranteed Revenue				\$580.27		PLC> ARC-	CO max @	\$3.33	
					Yi€	eld			
		108	120	133	148	164	182	200	218
	PLC								
MYA Price	Payment				ARC Pa	yment			
\$4.17	\$0.00	\$67.47	\$67.47	\$25.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$4.09	\$0.00	\$67.47	\$67.47	\$36.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$4.01	\$0.00	\$67.47	\$67.47	\$46.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$3.93	\$0.00	\$67.47	\$67.47	\$57.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$3.85	\$0.00	\$67.47	\$67.47	\$67.47	\$10.47	\$0.00	\$0.00	\$0.00	\$0.00
\$3.77	\$0.00	\$67.47	\$67.47	\$67.47	\$22.31	\$0.00	\$0.00	\$0.00	\$0.00
\$3.70	\$0.00	\$67.47	\$67.47	\$67.47	\$32.67	\$0.00	\$0.00	\$0.00	\$0.00
\$3.63	\$12.77	\$67.47	\$67.47	\$67.47	\$43.03	\$0.00	\$0.00	\$0.00	\$0.00
\$3.56	\$25.54	\$67.47	\$67.47	\$67.47	\$53.39	\$0.00	\$0.00	\$0.00	\$0.00
\$3.49	\$38.30	\$67.47	\$67.47	\$67.47	\$63.75	\$7.91	\$0.00	\$0.00	\$0.00
\$3.42	\$51.07	\$67.47	\$67.47	\$67.47	\$67.47	\$19.39	\$0.00	\$0.00	\$0.00
\$3.35	\$63.84	\$67.47	\$67.47	\$67.47	\$67.47	\$30.87	\$0.00	\$0.00	\$0.00
\$3.28	\$76.61	\$67.47	\$67.47	\$67.47	\$67.47	\$42.35	\$0.00	\$0.00	\$0.00
\$3.21	\$89.38	\$67.47	\$67.47	\$67.47	\$67.47	\$53.83	\$0.00	\$0.00	\$0.00
\$3.15	\$100.32	\$67.47	\$67.47	\$67.47	\$67.47	\$63.67	\$6.97	\$0.00	\$0.00
\$3.09	\$111.26	\$67.47	\$67.47	\$67.47	\$67.47	\$67.47	\$17.89	\$0.00	\$0.00
\$3.03	\$122.21	\$67.47	\$67.47	\$67.47	\$67.47	\$67.47	\$28.81	\$0.00	\$0.00
\$2.97	\$133.15	\$67.47	\$67.47	\$67.47	\$67.47	\$67.47 29	\$39.73	\$0.00	\$0.00



U.S. Soybean % Stocks/Use vs Price\$



What program should I choose?

- PLC payments will be made if the MYA price drops below \$8.40
- PLC payment will exceed ARC-CO
 payments at any yield level if price drops
 below \$7.44
- With an average yield (33 bushels), ARC-CO will not start paying until price falls below \$8.07
- If the county yield is *lower* than average, ARC-CO will pay at much higher prices BUT if the county yield is *higher* than average, it will take a large price loss to trigger any payment
- ARC-CO maximum payment will be \$31.39 per acre in 2019

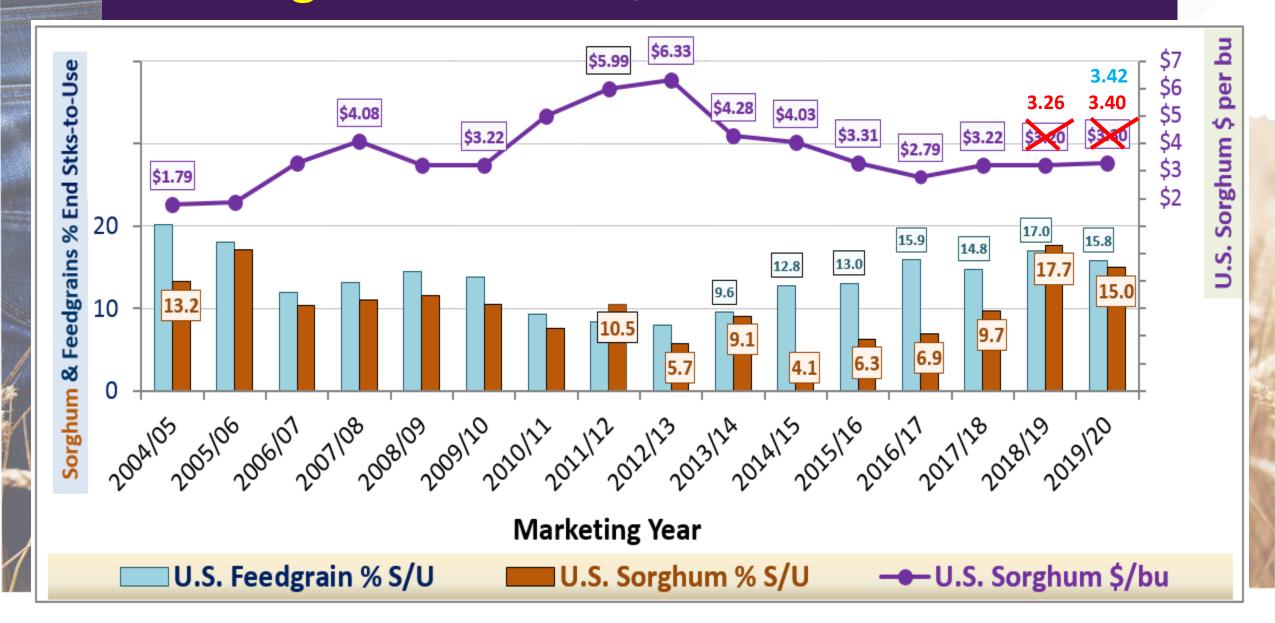
ARC F	Payments vs	. PLC Pay	ments Under	Different	Yields and	d Prices fo	r 2019/20 N	Marketing Y	ear			
County:	Sedgwick		Crop:	Soybe	eans		Type:	Nonirri	gated			
<u> </u>			<u> </u>	ARC			<u>-16</u>	PLC	J			
5 Yr. Olymp	ic Avg. Cour	nty Yield		32.60		Program \	/ield	32.6				
5 Yr. Olymp	ic Avg. MYA	Price		\$9.63		Reference	Price	\$8.40				
Benchmark	Revenue			\$313.94								
Guaranteed	l Revenue			\$269.99		PLC> ARC-	-CO max @	\$7.44				
			Yield									
		20	22	24	27	30	33	36	40			
	PLC											
MYA Price	Payment				ARC Pa	ayment						
\$9.46	\$0.00	\$31.39	\$31.39	\$31.39	\$14.57	\$0.00	\$0.00	\$0.00	\$0.00			
\$9.27	\$0.00	\$31.39	\$31.39	\$31.39	\$19.70	\$0.00	\$0.00	\$0.00	\$0.00			
\$9.09	\$0.00	\$31.39	\$31.39	\$31.39	\$24.56	\$0.00	\$0.00	\$0.00	\$0.00			
\$8.91	\$0.00	\$31.39	\$31.39	\$31.39	\$29.42	\$2.69	\$0.00	\$0.00	\$0.00			
\$8.74	\$0.00	\$31.39	\$31.39	\$31.39	\$31.39	\$7.79	\$0.00	\$0.00	\$0.00			
\$8.57	\$0.00	\$31.39	\$31.39	\$31.39	\$31.39	\$12.89	\$0.00	\$0.00	\$0.00			
\$8.40	\$0.00	\$31.39	\$31.39	\$31.39	\$31.39	\$17.99	\$0.00	\$0.00	\$0.00			
\$8.23	\$5.54	\$31.39	\$31.39	\$31.39	\$31.39	\$23.09	\$0.00	\$0.00	\$0.00			
\$8.07	\$10.76	\$31.39	\$31.39	\$31.39	\$31.39	\$27.89	\$3.68	\$0.00	\$0.00			
\$7.91	\$15.97	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$8.96	\$0.00	\$0.00			
\$7.75	\$21.19	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$14.24	\$0.00	\$0.00			
\$7.60	\$26.08	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$19.19	\$0.00	\$0.00			
\$7.45	\$30.97	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$24.14	\$1.79	\$0.00			
\$7.30	\$35.86	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$29.09	\$7.19	\$0.00			
\$7.15	\$40.75	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$12.59	\$0.00			
\$7.01	\$45.31	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$17.63	\$0.00			
\$6.87	\$49.88	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$22.67	\$0.00			
\$6.73	\$54.44		\$31.39	\$31.39	\$31.39	\$31.39	\$31.39	\$27.71	\$0.79			

What program should I choose?

- PLC payments will be made if the MYA price drops below \$8.40
- PLC payment will exceed ARC-CO
 payments at any yield level if price drops
 below \$7.44
- With an average yield (52 bushels), ARC-CO will not start paying until price falls below \$8.23
- If the county yield is *lower* than average, ARC-CO will pay at much higher prices BUT if the county yield is *higher* than average, it will take a large price loss to trigger any payment
- ARC-CO maximum payment will be \$50.25 per acre in 2019

ARC I	Payments vs	s. PLC Pay	ments Under	Different	Yields and	d Prices fo	2019/20 N	Marketing `	Year
County:	Sedgwick		Crop:	Soyb	eans		Type:	Irriga	ated
				ARC				PLC	
5 Yr. Olymp	ic Avg. Cour	nty Yield		52.18		Program \	/ield	52.2	
5 Yr. Olymp	ic Avg. MYA	Price		\$9.63		Reference	Price	\$8.40	
Benchmark	Revenue			\$502.49					
Guaranteed	Revenue			\$432.14		PLC> ARC-	CO max @	\$7.44	
					Yie	eld			
		31	34	38	42	47	52	57	62
	PLC								
MYA Price	Payment				ARC Pa	ayment			
\$9.46	\$0.00	\$50.25	\$50.25	\$50.25	\$34.82	\$0.00	\$0.00	\$0.00	\$0.00
\$9.27	\$0.00	\$50.25	\$50.25	\$50.25	\$42.80	\$0.00	\$0.00	\$0.00	\$0.00
\$9.09	\$0.00	\$50.25	\$50.25	\$50.25	\$50.25	\$4.91	\$0.00	\$0.00	\$0.00
\$8.91	\$0.00	\$50.25	\$50.25	\$50.25	\$50.25	\$13.37	\$0.00	\$0.00	\$0.00
\$8.74	\$0.00	\$50.25	\$50.25	\$50.25	\$50.25	\$21.36	\$0.00	\$0.00	\$0.00
\$8.57	\$0.00	\$50.25	\$50.25	\$50.25	\$50.25	\$29.35	\$0.00	\$0.00	\$0.00
\$8.40	\$0.00	\$50.25	\$50.25	\$50.25	\$50.25	\$37.34	\$0.00	\$0.00	\$0.00
\$8.23	\$8.87	\$50.25	\$50.25	\$50.25	\$50.25	\$45.33	\$4.18	\$0.00	\$0.00
\$8.07	\$17.23	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$12.50	\$0.00	\$0.00
\$7.91	\$25.58	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$20.82	\$0.00	\$0.00
\$7.75	\$33.93	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$29.14	\$0.00	\$0.00
\$7.60	\$41.76	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$36.94	\$0.00	\$0.00
\$7.45	\$49.59	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$44.74	\$7.49	\$0.00
\$7.30	\$57.42	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$16.04	\$0.00
\$7.15	\$65.25	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$24.59	\$0.00
\$7.01	\$72.56	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$32.57	\$0.00
\$6.87	\$79.87	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$40.55	\$6.20
\$6.73	\$87.17	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$50.25	\$48.53	\$14.88

U.S. Sorghum % Stocks/Use vs Price\$



What program should I choose?

- PLC payments will be made if the MYA price drops below \$3.95
- PLC payment will exceed ARC-CO
 payments at any yield level if price drops
 below \$3.55
- With an average yield (66 bushels), ARC-CO will not start paying until price falls below \$3.36
- If the county yield is *lower* than average, ARC-CO will pay at much higher prices BUT if the county yield is *higher* than average, it will take a large price loss to trigger any payment
- ARC-CO maximum payment will be \$26.07 per acre in 2019

ARC F	Payments vs	. PLC Pay	ments Under	Different	Yields and	d Prices fo	2019/20 N	1arketing Y	'ear	
County:	Sedgwick		Crop:	Grain Sorghum			Type:	Nonirri	gated	
<u> </u>			<u> </u>	ARC	or Grienii		<u> </u>	PLC	G arage	
5 Yr. Olympic Avg. County Yield			65.51		Program \	'ield	65.5			
5 Yr. Olympic Avg. MYA Price			\$3.98	98 Refer		Reference Price				
Benchmark Revenue			\$260.73							
Guaranteed Revenue				\$224.23		PLC> ARC-	·CO max @	\$3.55		
		Yield								
		39	43	48	53	59	66	73	79	
	PLC									
MYA Price	Payment	ARC Payment								
\$4.45	\$0.00	\$26.07	\$26.07	\$10.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
\$4.36	\$0.00	\$26.07	\$26.07	\$14.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
\$4.27	\$0.00	\$26.07	\$26.07	\$19.27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
\$4.19	\$0.00	\$26.07	\$26.07	\$23.11	\$2.16	\$0.00	\$0.00	\$0.00	\$0.00	
\$4.11	\$0.00	\$26.07	\$26.07	\$26.07	\$6.40	\$0.00	\$0.00	\$0.00	\$0.00	
\$4.03	\$0.00	\$26.07	\$26.07	\$26.07	\$10.64	\$0.00	\$0.00	\$0.00	\$0.00	
\$3.95	\$0.00	\$26.07	\$26.07	\$26.07	\$14.88	\$0.00	\$0.00	\$0.00	\$0.00	
\$3.87	\$5.24	\$26.07	\$26.07	\$26.07	\$19.12	\$0.00	\$0.00	\$0.00	\$0.00	
\$3.79	\$10.48	\$26.07	\$26.07	\$26.07	\$23.36	\$0.62	\$0.00	\$0.00	\$0.00	
\$3.71	\$15.72	\$26.07	\$26.07	\$26.07	\$26.07	\$5.34	\$0.00	\$0.00	\$0.00	
\$3.64	\$20.31	\$26.07	\$26.07	\$26.07	\$26.07	\$9.47	\$0.00	\$0.00	\$0.00	
\$3.57	\$24.89	\$26.07	\$26.07	\$26.07	\$26.07	\$13.60	\$0.00	\$0.00	\$0.00	
\$3.50	\$29.48	\$26.07	\$26.07	\$26.07	\$26.07	\$17.73	\$0.00	\$0.00	\$0.00	
\$3.43	\$34.06	\$26.07	\$26.07	\$26.07	\$26.07	\$21.86	\$0.00	\$0.00	\$0.00	
\$3.36	\$38.65	\$26.07	\$26.07	\$26.07	\$26.07	\$25.99	\$2.47	\$0.00	\$0.00	
\$3.29	\$43.23	\$26.07	\$26.07	\$26.07	\$26.07	\$26.07	\$7.09	\$0.00	\$0.00	
\$3.22	\$47.82	\$26.07	\$26.07	\$26.07	\$26.07	\$26.07	\$11.71	\$0.00	\$0.00	
\$3.16	\$51.75	\$26.07	\$26.07	\$26.07	\$26.07	\$26.07 34	\$15.67	\$0.00	\$0.00	

What program should I choose?

- PLC payments will be made if the MYA price drops below \$3.95
- PLC payment will exceed ARC-CO
 payments at any yield level if price drops
 below \$3.55
- With an average yield (88 bushels), ARC-CO will not start paying until price falls below \$3.36
- If the county yield is *lower* than average, ARC-CO will pay at much higher prices BUT if the county yield is *higher* than average, it will take a large price loss to trigger any payment
- ARC-CO maximum payment will be \$34.95 per acre in 2019

ARC F	Payments vs	. PLC Pay	ments Under	Different	Yields and	d Prices for	2019/20 N	larketing Y	'ear	
County: Sedgwick			Crop: Grain So		orghum		Type:	Irriga	ted	
				ARC	or G arana		<u></u>	PLC		
5 Yr. Olympic Avg. County Yield			87.82		Program Y	ïeld	87.8			
5 Yr. Olympic Avg. MYA Price			\$3.98		Reference Price		\$3.95			
Benchmark Revenue			\$349.52							
Guaranteed Revenue				\$300.59		PLC> ARC-	CO max @	\$3.55		
		Yield								
		52	58	64	71	79	88	97	106	
	PLC									
MYA Price	Payment	ARC Payment								
\$4.45	\$0.00	\$34.95	\$34.95	\$15.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
\$4.36	\$0.00	\$34.95	\$34.95	\$21.55	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
\$4.27	\$0.00	\$34.95	\$34.95	\$27.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
\$4.19	\$0.00	\$34.95	\$34.95	\$32.43	\$3.10	\$0.00	\$0.00	\$0.00	\$0.00	
\$4.11	\$0.00	\$34.95	\$34.95	\$34.95	\$8.78	\$0.00	\$0.00	\$0.00	\$0.00	
\$4.03	\$0.00	\$34.95	\$34.95	\$34.95	\$14.46	\$0.00	\$0.00	\$0.00	\$0.00	
\$3.95	\$0.00	\$34.95	\$34.95	\$34.95	\$20.14	\$0.00	\$0.00	\$0.00	\$0.00	
\$3.87	\$7.02	\$34.95	\$34.95	\$34.95	\$25.82	\$0.00	\$0.00	\$0.00	\$0.00	
\$3.79	\$14.05	\$34.95	\$34.95	\$34.95	\$31.50	\$1.18	\$0.00	\$0.00	\$0.00	
\$3.71	\$21.07	\$34.95	\$34.95	\$34.95	\$34.95	\$7.50	\$0.00	\$0.00	\$0.00	
\$3.64	\$27.22	\$34.95	\$34.95	\$34.95	\$34.95	\$13.03	\$0.00	\$0.00	\$0.00	
\$3.57	\$33.36	\$34.95	\$34.95	\$34.95	\$34.95	\$18.56	\$0.00	\$0.00	\$0.00	
\$3.50	\$39.51	\$34.95	\$34.95	\$34.95	\$34.95	\$24.09	\$0.00	\$0.00	\$0.00	
\$3.43	\$45.66	\$34.95	\$34.95	\$34.95	\$34.95	\$29.62	\$0.00	\$0.00	\$0.00	
\$3.36	\$51.80	\$34.95	\$34.95	\$34.95	\$34.95	\$34.95	\$4.91	\$0.00	\$0.00	
\$3.29	\$57.95	\$34.95	\$34.95	\$34.95	\$34.95	\$34.95	\$11.07	\$0.00	\$0.00	
\$3.22	\$64.09	\$34.95	\$34.95	\$34.95	\$34.95	\$34.95	\$17.23	\$0.00	\$0.00	
\$3.16	\$69.36	\$34.95	\$34.95	\$34.95	\$34.95	\$34.95	\$22.51	\$0.00	\$0.00	

OSU-KSU Farm Bill Decision Tool



- Can evaluate the 2-year ARC/PLC decision for each commodity on each individual farm
- Can do scenario analysis for different price/yield levels
- Also has ARC-IC and SCO program capabilities
- Available soon at AgManager.info
- Some counties will offer assistance in running this decision tool

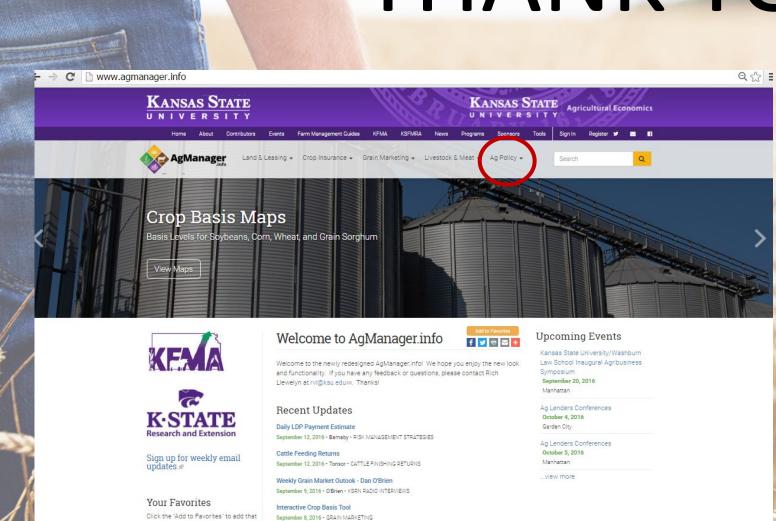
Supplemental Coverage Option

- SCO only available under PLC; cannot purchase if you are in ARC
- An endorsement to your own farm policy ("underlying policy")
- Brings coverage up to 86% of expected yield/revenue
- \$\$ coverage based on farm APH but loss trigger/measure based on county outcome
- Must sign up prior to planting, like regular MPCI policy
- SCO part of larger crop insurance decision
 - Buy SCO -- or -- Buy higher individual coverage -- or -- Don't buy any more insurance
 - Few of the 2014-2018 acres in PLC also bought SCO

Conclusions and Implications

- For the 2018 Farm Bill, it's a 2-year decision, NOT a 5-year decision, as it was in 2014.
 - What do you expect prices to be over the next two years?
 - Prices lower than PLC reference prices will favor the PLC program
 - What do you expect yields to be over the next two years?
 - The ARC-CO program may be preferred if prices are above reference prices because lower yields can trigger payments
 - Is SCO a consideration? (Nudges toward PLC)
- Implication: be careful of making the decision based solely on the result of the last five years
 or feeling like you didn't get it right in 2014.

THANK YOU!



Kansas Days Suitable for Fieldwork

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