

# 2014 Farm Bill—Farm Program Decisions

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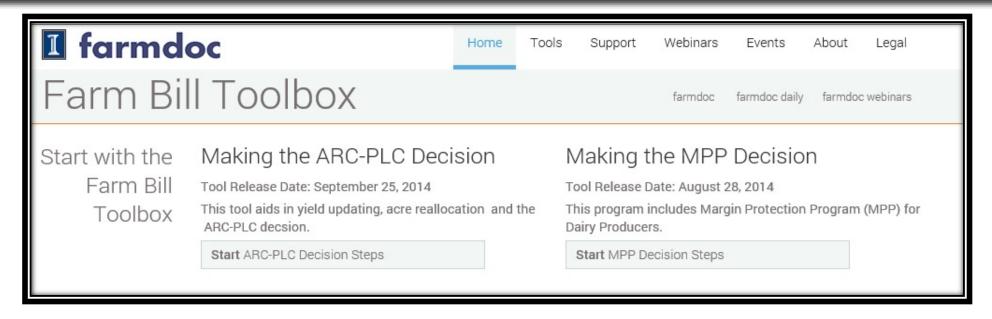




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- Watts & Associates
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- Michigan State University
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- Montana State University



- > Seven steps to help with the decisions required by the 2014 Farm Bill
- One-stop resource available: <a href="http://farmbilltoolbox.farmdoc.illinois.edu">http://farmbilltoolbox.farmdoc.illinois.edu</a>
- Or search: "Farm Bill Toolbox"



- 1. Retain or update payment yields (Feb. 27, 2015)
- 2. Retain or reallocate base acres (Feb. 27, 2015)
- 3. Programs: ARC-CO; PLC; ARC-IC (Mar. 31, 2015)

Each decision made by FSA farm; one-time and irrevocable

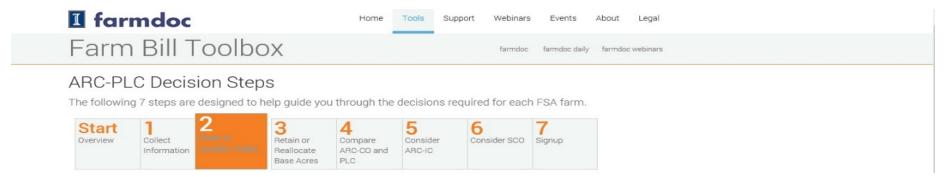


### **Collect Information.—**

✓ FSA Letter from August: existing payment yields and base acres for each FSA farm

- √ FSA letter also provides record of acres planted on the FSA farm for 2008 to 2013 crop years
- ✓ Also need crop yield history for 2008 to 2012; crop insurance records will be accepted

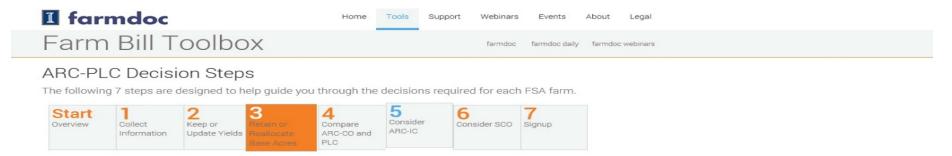




### Keep or Update Yields.—

- > Keep current payment (CC) yields as listed on FSA letter
- ➤ Update to 90% of the average yields from 2008 to 2012 crop years
- Payment yields only used for PLC; independent of program choice; decision for landowners only





### Retain or Reallocate Base Acres.—

- > Keep current base acre distribution as listed on FSA letter
- ➤ Reallocate base to ratio of planted acres for program crops in 2009 to 2012 crop years; FSA letter determines
- ➤ All programs pay on base acres; decision covers all program crops; decision for landowners only



### Compare ARC-CO and PLC.—

- ➤ Decision for all producers on the farm (not landowners in a cash lease); a crop-by-crop decision; 85% of base
- > ARC-CO: revenue-based assistance using county average yields and national average prices

➤ PLC: fixed-price, deficiency payment program when national average price is below statutory reference price



The following 7 steps are designed to help guide you through the decisions required for each FSA farm.

Start Overview

Collect Information

Keep or Update Yields

Retain or Reallocate Base Acres

Consider ARC-IC

Consider SCO Signup

### **OPERATIONAL COMPARISON**

ARC-CO	PLC
5-year Olympic moving average marketing year average (MYA) price (reference price plug)	Reference price fixed in statute; does not change
5-year Olympic moving average of county yields (70% of T-yield plug)	Payment yield used to calculate payments; does not change (after update)—no yield coverage provided
Coverage is from 86% down to 76% of county revenue (i.e. a 10% maximum)	Coverage is for prices below the reference price and down to the loan rate



The following 7 steps are designed to help guide you through the decisions required for each FSA farm.

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Overview

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Information

Collect
Update Yields

Retain or
Reallocate
Base Acres

Start
Consider
ARC-IC

Consider SCO
Signup

Signup

### OPERATIONAL COMPARISON: PRICES USED

	ARC-CO		PI	_C
Year	MYA Price & 5-year Olympic		/IYA Price & 5-year Olympic Corn	
	Corn	Soybeans		
2009	<del>\$3.55</del> (\$3.70)	\$9.59		
2010	\$5.18*	\$11.30*		
2011	\$6.22*	\$12.50*	\$3.70	\$8.40
2012	\$6.89	\$14.40		
2013	<u>\$4.46*</u>	<u>\$13.00*</u>		
Olympic	\$5.29	\$12.27		
	replaces MYA below the Olympic calculat	•		



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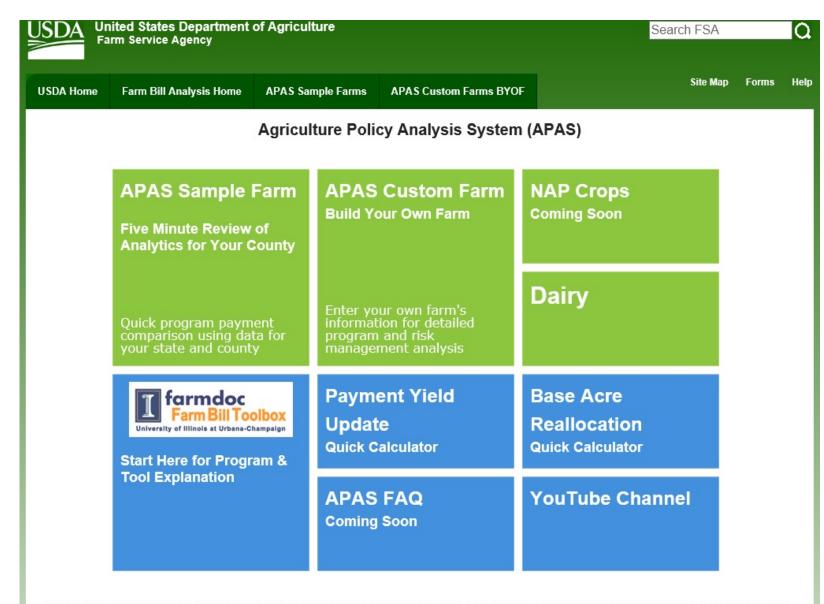


### Compare ARC-CO and PLC.—

➤ Download ARC-CO/PLC Comparison tool on farmdoc: farmdoc.illinois.edu

Go to Agriculture Policy Analysis System (APAS): fsa.usapas.com





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#### Farm Bill Toolbox

#### **ARC-PLC Decision Steps**

The following 7 steps are designed to help guide you through the decisions required for each FSA farm.

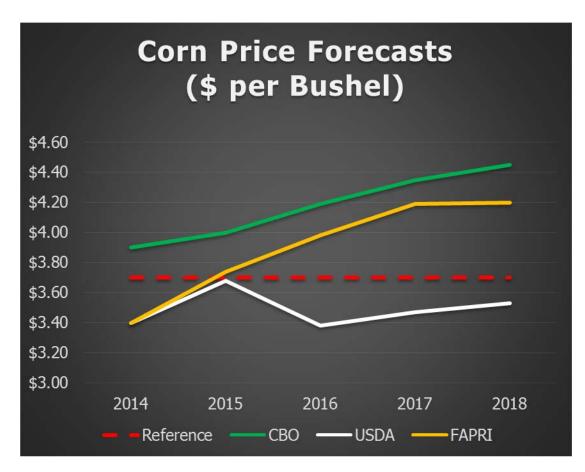
Start
Overview

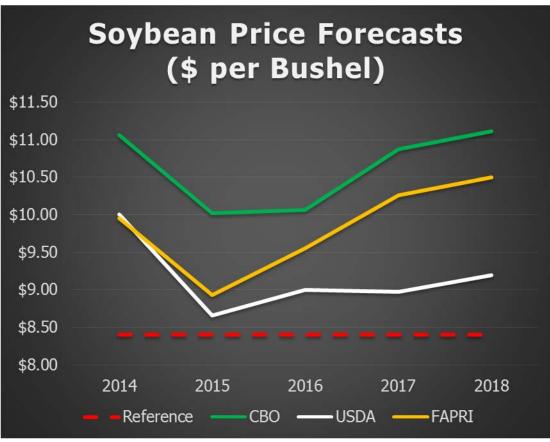
1 Collect
Information
Update Yields

2 Keep or
Update Yields
Retain or
Reallocate
Base Acres
Base Acres

5 Consider
ARC-IC

6 Consider SCO
Signup







#### Farm Bill Toolbox

#### **ARC-PLC Decision Steps**

The following 7 steps are designed to help guide you through the decisions required for each FSA farm.

Start
Overview

Collect
Information

Collect
Update Yields

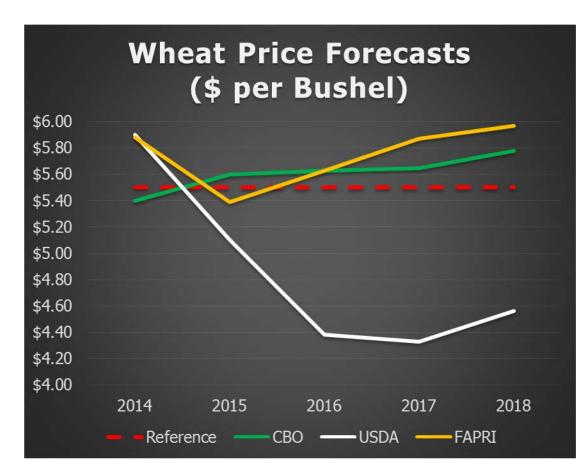
Retain or
Reallocate
Base Acres

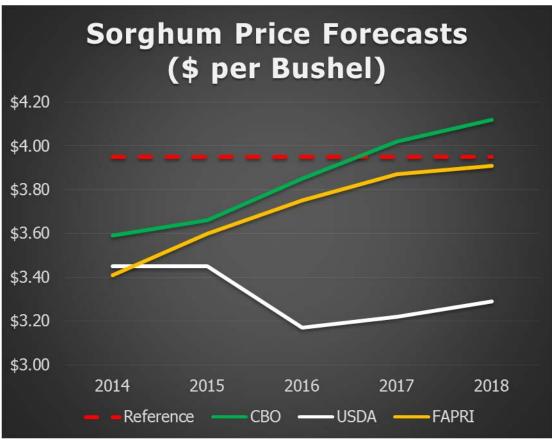
Signup

Consider SCO

Signup

ARC-IC







### Compare ARC-CO and PLC.—

- ➤ Much of this decision depends on your price expectations for 2014 through 2018
- ➤ Type of risk coverage factors in as well: ARC-CO for lower prices and yields; PLC for very low prices
- ➤ Other considerations include the 10% maximum payment on ARC-CO and availability of SCO for PLC



The following 7 steps are designed to help guide you through the decisions required for each FSA farm.



### Compare ARC-CO and PLC.—

➤ Soybeans: all forecasts have prices above reference; difficult for PLC to be effective

➤ Corn: close call, how low on price expectations (USDA?); keep in mind impact of big yields in 2014

Wheat: even closer call on price expectations; SCO may also be a significant factor



The following 7 steps are designed to help guide you through the decisions required for each FSA farm.



### Consider ARC-IC.—

- Uses the sum of all program crops on the farm weighted by actual planted acres
- ➤ All farms in the state enrolled in ARC-IC; producer's share

➤ Payments made on 65% of total base acres for the farm (all program crop base)



The following 7 steps are designed to help guide you through the decisions required for each FSA farm.

	pare ARC-IC Consider SCO Signup
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ARC-IC Example Calculations							
		Corn		Soybeans			
Year	Yield	Price	Revenue	Yield	Price	Revenue	
2009	173	<del>\$3.55</del> -(\$3.70)	\$640	51	\$9.59	\$489	
2010	157	\$5.18	\$813*	46	\$11.30	\$520*	
2011	143	\$6.22	\$889	47	\$12.50	\$588*	
2012	104	\$6.89	\$717*	47	\$14.40	\$677	
2013	171	\$4.46	\$763*	51	\$13.00	\$663*	
5-year Olympi	c Average Re			\$590			
	(*Used in the Olympic calculation)						



The following 7 steps are designed to help guide you through the decisions required for each FSA farm.

Information Update Yields Reallocate ARC-CO and ARC-IC Base Acres PLC	Start Overview	Collect Information	2 Keep or Update Yields			5 Consider ARC-IC	6 Consider SCO	7 Signup
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ARC-IC Example Calculations							
		Corn: 60 acres plan	nted	Soybeans: 40 acres planted			
Year	Yield	Price	Revenue	Yield	Price	Revenue	
2014	180	\$3.50	\$630	51	\$10.00	\$510	
Benchmark (N	lax.)	$(0.6 \times $764) + (0.4)$	x \$590) = \$69	5 (x 10% = \$6	69.50)		
Guarantee	86% of \$695 = \$597						
Actual	$(0.6 \times \$630) + (0.4 \times \$510) = \$582$						
Difference	\$597 - \$582 = \$15						
<b>Estimated Pay</b>	ment	nent \$15 x 100 x 65% = \$995 (\$9.95 per base acre)					





### Consider Supplemental Coverage Option (SCO).—

- ➤ A Crop Insurance Policy: planted acres, APH and actual yields, RMA prices, premium (65% subsidy)
- ➤ Uses a county-based trigger at 86%; coverage down to underlying COMBO insurance trigger
- Applied to deductible range of your underlying policy; cannot be mixed with ARC-CO or ARC-IC



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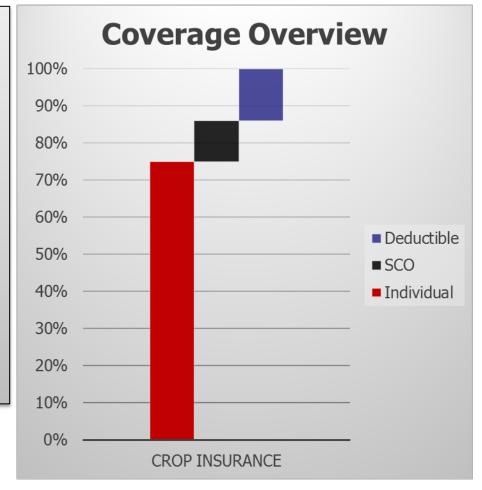
Start Overview	Collect Information	2 Keep or Update Yields		4 Compare ARC-CO and	5 Consider ARC-IC	6 Consider SCO	7 Signup
			Base Acres	PLC			

### Consider Supplemental Coverage Option (SCO).—

✓ Example with 75% Revenue Protection (RP) individual policy

✓ SCO covers 86% down to 75%; county trigger applied to RP deductible

✓ Available in 2015; only those counties RMA has enough data to rate it





The following 7 steps are designed to help guide you through the decisions required for each FSA farm.

Information Update Yields R	Retain or Compare Reallocate ARC-CO and Base Acres PLC	5 Consider ARC-IC	nsider SCO Signup
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### Consider SCO: Wheat Example (75% RP)

County Calculations							
Base Price	County Trend Yield	Revenue	County Trigger	Revenue Limit			
\$6.00	65	\$390	86% x \$390 = \$335	75% x \$390 = \$293			
Farm Calculations							
Base Price	Farm APH	Revenue	RP Trigger	Max. Payment			
\$6.00	60	\$360	75% x \$360 = \$270	(86%-75%) x \$360 = \$40			
SCO Coverage and Expected Payment							
Harvest Price	County Yield	County Rev.	Shorti	fall Factor			
\$5.50	55	\$303	(\$335-\$303)/(\$335-\$293) = 0.76				
<b>Expected Payment</b>			0.76 x	\$40 = \$30.48			



The following 7 steps are designed to help guide you through the decisions required for each FSA farm.

Start
Overview

Collect
Information

Collect
Information

Collect
Information

Collect
Information

Collect
Information

Collect
Information

Compare
ARC-CO and
PLC

ARC-IC

ARC-IC

ARC-IC

Consider
ARC-IC

ARC-IC

### Consider Supplemental Coverage Option (SCO).—

- ➤ A Crop Insurance Policy: planted acres, APH and within year prices; no payment limits or AGI requirements
- Purchasing a county-based trigger using farm yields; effectiveness compared to individual buy-up
- ➤ Comparing PLC + SCO + COMBO vs. ARC-CO + COMBO vs. ARC-IC + COMBO



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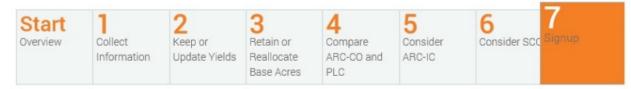


### Make Your Decisions.—

- ➤ Update Payment Yields (Landowner): February 27, 2015
- > Reallocate Base Acres (Landowner): February 27, 2015
- > Program Election (Producers): March 31, 2015



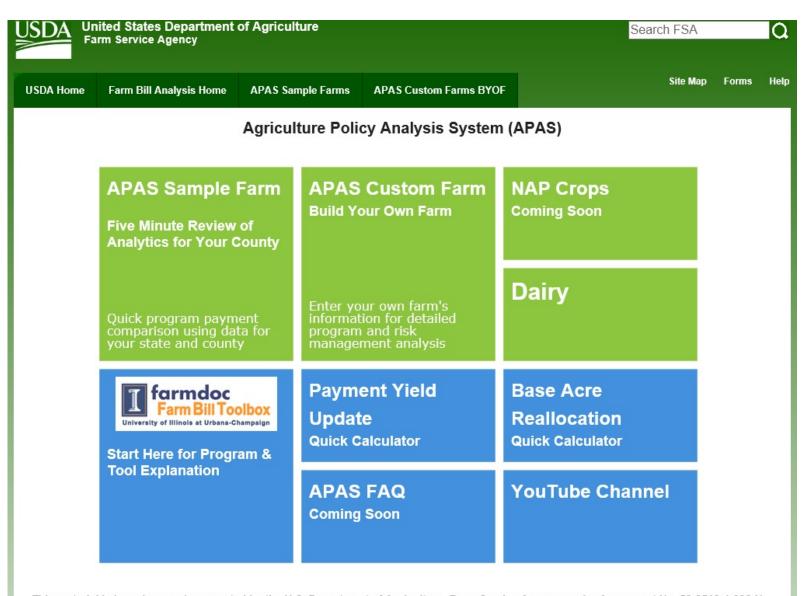
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### Make Your Decisions.—

- ➤ Agriculture Policy Analysis System (APAS): <a href="http://fsa.usapas.com">http://fsa.usapas.com</a> for program payment estimates
- > Farm Bill Toolbox for decision steps, background information, analysis, webinars and more





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## **QUESTIONS?**

Thank you,

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