



University of Arkansas System

Understanding the 2014 FARM BILL

The National Association of Agricultural and Food Policy (NAAFP) Farm Bill Decision Aid Walkthrough

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Objective of Presentation:

1. Show how to input farm data into the NAAFP decision aid

- 2. Show how to run the following decision aid tools:
 - a) Yield Update tool
 - b) Base Acre Reallocation and PLC/ARC tool







Example Farm:

A rice farm growing three crops:

- 1. Long Grain Rice
- 2. Irrigated Soybeans
- 3. Corn







Finding the Decision Aid







Located on the U of A Cooperative Extension Website:

http://www.uaex.edu/farm-ranch/economics-marketing/Farm-Bill/







http://www.uaex.edu/farm-ranch/economics-marketing/Farm-Bill/

The 2014 Farm Bill



Farm Bill Webinar Dates, Registration, and Recordings

Farm Service Agency (FSA)

2014 Farm Service Agency and Division of Agriculture Farm Bill Meeting Presentations

- Price Loss Coverage (PLC) and Agricultural Risk Coverage County Level (ARC-CO): Anita Wilson, Agricultural Program Specialists, Farm Programs Division, AR State FSA Office
- The Farm Bill Decision Making Process and Web-Based Farm Bill Decision Aid: Bobby Coats, Professor, University of Arkansas Division of Agriculture

Farm Service Agency - ARC/PLC Programs

Two Farm Bill eTools Built to Help with Base Reallocation, Yield Updates, Price Loss Coverage (PLC) & Agricultural Risk Coverage (ARC) Decisions

- 1. National Association of Agricultural and Food Policy (NAAFP) led by the Agricultural Policy Research Institute (FAPRI) at the University of Missouri, and the Agricultural and Food Policy Center (AFPC) at Texas A&M University
 - Data Collection Form and Instructions
 - Farm Policy Minute
- 2. National Coalition for Producer Education (NCPE), led by the University of Illinois









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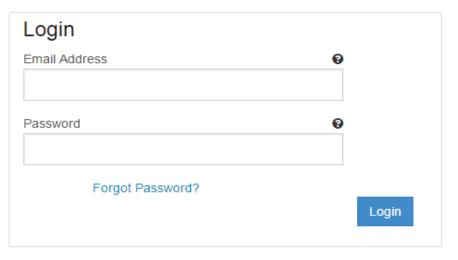


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Login

Welcome to the USDA/NAAFP Decision Aids. Although the look and feel have changed, all your data are still available from the previous site. If you are new to the site, you can start by Registering



Register

Welcome to the NAAFP Decision Aids. This suite of integrated tools can help you make the choices required for partipation in 2014 Farm Bill and for choices available under crop insurance.

To get started, you'll need to

Register

Disclaimer

This software is intended for educational use. It was developed solely to provide information so producers could better understand the economic implications of their choices under the 2014 Farm Bill. The Decision Aids use the most current NASS, FSA, and RMA information, and these values will be updated from time to time. The Decision Aid answers may differ from those of USDA agencies and insurance providers.







Help!

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The Decision Aid allows users to save their information as a service to the user. Users who do not want their data saved can delete it at any time. After signup is completed, FAPRI and AFPC researchers may aggregate the results of all decision aid users to evaluate the effectiveness of various program options at mitigating risk. No individual user's data will be disclosed.

Your Name	6
Email Address	6
Password	6
T dosmord	
Confirm Password	
Commir rassword	
Account Type	
Producer/Farmer Multi-client User	
Terms and Disclaimer	
$\hfill \square$ I understand and agree to the terms and disclaimer.	
	Next







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	Help!
Your Name	0
Email Address	0
Password	0
Confirm Password	
Account Type	
Producer/Farmer Multi-client User	
Terms and Disclaimer I understand and agree to the terms and disclaimer.	
	Next







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Email Address Password Confirm Password	(
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Confirm Password	
Confirm Password	
Account Type	
Producer/Farmer Multi-client User	
Terms and Disclaimer	
I understand and agree to the terms and disclaime	
Nex	









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Signed in successfully.



Your Clients

Name	Email	Farm Units	
(Yourself)		0	■ Become Producer
Example Farm 1	brad1@uaex.edu	3	& Switch to User
Example Farm 2	brad2@uaex.edu	0	& Switch to User
Arkansas Rice	brad3@uaex.edu	5	& Switch to User
Arkansas Rice Two	brad4@uaex.edu	5	

A Multi-client user manages multiple accounts, called clients. To get started, you must first create a client. When you Switch to User, you become that user and all actions you take (such as creating farm units or running decision aid tools) occur as that user.

You can create as many clients as you want. Each client's data is separate. The client can later enter their own password to access the account.

Create a Client





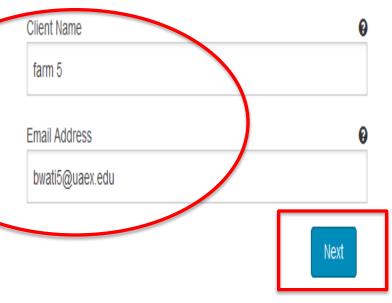








Create Client Account



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Your Clients

Name	Email	Farm Units	
(Yourself)		2	■ Become Producer
Example Farm 1	brad1@uaex.edu	3	& Switch to User
Example Farm 2	brad2@uaex.edu	3	& Switch to User
Arkansas Rice	brad3@uaex.edu	5	
Arkansas Rice Two	brad4@uaev edu	5	& Switch to User
farm 5	bwati5@uaex.edu	0	♣ Switch to User

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Arkansas Rice	brad3@uaex.edu	5	& Switch to User
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farm 5	bwati5@uaex.edu	0	♣ Switch to User

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Create a Client











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farm 5's Farm Units

FSA # Farm Name	Crop Practice
-----------------	------------------

+ New Farm Unit

Available Tools



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Yield Update

This tool calculates values for PLC yields using yield histories for your units listed on the left.

Base Acre Reallocation & PLC/ARC Decision Aid

This tool helps you decide whether to reallocate your base acres and whether to choose PLC, ARC-C, or ARC-I for each farm unit based on your data.

Farm Bill 2014 Insurance

This tool calculates net revenue for







We will Create a Farm Unit for each crop grown in our Rice Farm Example:

- 1. Long Grain Rice
- 2. Irrigated Soybeans
- 3. Corn







Creating a Long Grain Rice Farm Unit











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farm 5's Farm Units

Crop FSA# Farm Name **Practice**

+ New Farm Unit

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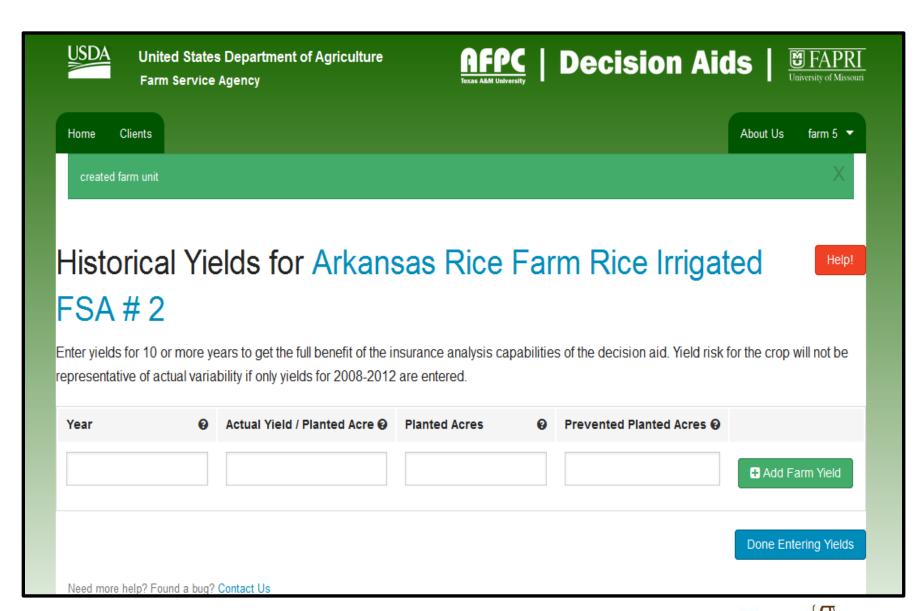








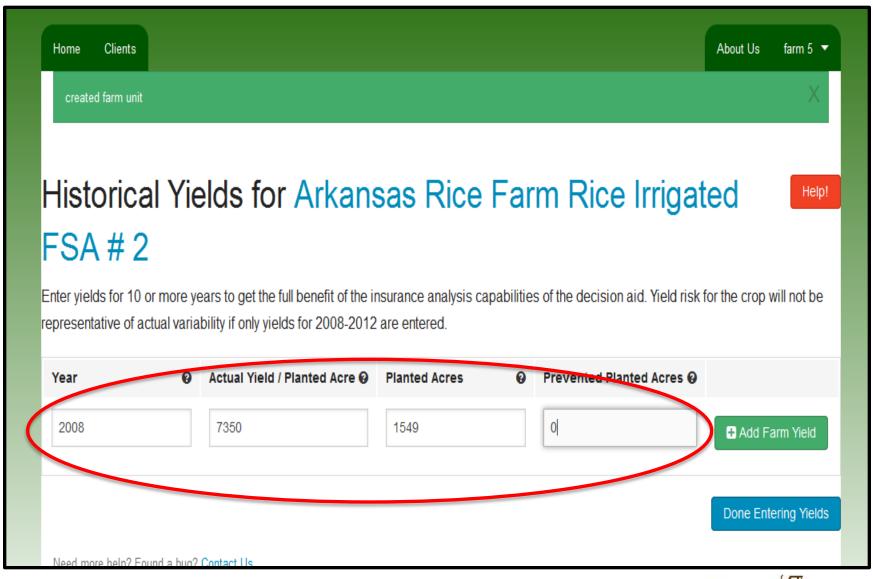








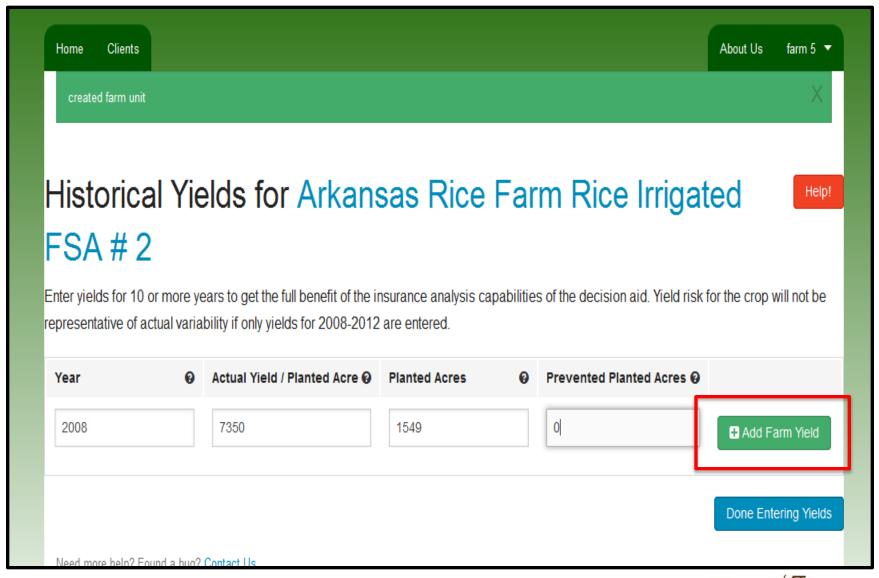


















Historical Yields for Arkansas Rice Farm Rice Irrigated

Help!

FSA # 2

Enter yields for 10 or more years to get the full benefit of the insurance analysis capabilities of the decision aid. Yield risk for the crop will not be representative of actual variability if only yields for 2008-2012 are entered.

Year	Actual Yield / Planted Acre	Planted Acres	Prevented Planted	Acres 0
2008	7350.0	1549.0	0.0	□ Delete
2009	7310.0	1585.0	0.0	■ Delete
2010	7050.0	1190.0	105.0	■ Delete
2011	7600.0	1200.0	200.0	■ Delete
2012	8010.0	1175.0	0.0	□ Delete
2013	8100.0	1296.0	0.0	☐ Delete
I				♣ Add Farm Yield

Done Entering Yields







Historical Yields for Arkansas Rice Farm Rice Irrigated

Help!

FSA # 2

Enter yields for 10 or more years to get the full benefit of the insurance analysis capabilities of the decision aid. Yield risk for the crop will not be representative of actual variability if only yields for 2008-2012 are entered.

Year 🚱	Actual Yield / Planted Acre @	Planted Acres	Prevented Planted Acres @	
2008	7350.0	1549.0	0.0	■ Delete
2009	7310.0	1585.0	0.0	■ Delete
2010	7050.0	1190.0	105.0	■ Delete
2011	7600.0	1200.0	200.0	■ Delete
2012	8010.0	1175.0	0.0	■ Delete
2013	8100.0	1296.0	0.0	■ Delete
				■ Add Farm Yield

Done Entering Yields















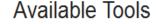
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farm 5's Farm Units

FSA#	Farm Name	Crop Practice
2	Arkansas Rice Farm	Long Grain Rice Irrigated



Help!

Yield Update

This tool calculates values for PLC yields using yield histories for your units listed on the left.

+ New Farm Unit

☑ Yields

Edit

Base Acre Reallocation & PLC/ARC Decision Aid

This tool helps you decide whether to reallocate your base acres and whether to choose PLC, ARC-C, or ARC-I for each farm unit based on your data.

Farm Bill 2014 Insurance

This tool calculates net revenue for alternative insurance choices available through the 2014 Farm Bill and RMA.







Creating an Irrigated Soybean Farm Unit









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farm 5's Farm Units

Clients

FSA#	Farm Name	Crop Practice		
2	Arkansas Rice Farm	Long Grain Rice Irrigated	☑ Edit	▼ Yields

Available Tools

Help!

Yield Update

This tool calculates values for PLC yields using yield histories for your units listed on the left.

+ New Farm Unit

Base Acre Reallocation & PLC/ARC Decision Aid

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Farm Bill 2014 Insurance

This tool calculates net revenue for alternative insurance choices available through the 2014 Farm Bill and RMA.













Historical Yields for Arkansas Rice Farm Soybeans Irrigated FSA # 2

Help!

Enter yields for 10 or more years to get the full benefit of the insurance analysis capabilities of the decision aid. Yield risk for the crop will not be representative of actual variability if only yields for 2008-2012 are entered.

Year	Actual Yield / Planted Acre @	Planted Acres	Prevented Planted Acres @	
2008	45.0	1315.0	176.0	■ Delete
2009	47.0	1355.0	300.0	□ Delete
2010	50.0	1571.0	0.0	□ Delete
2011	44.0	1516.0	0.0	□ Delete
2012	53.0	1665.0	0.0	■ Delete
2013	55.0	1620.0	0.0	■ Delete
				♣ Add Farm Yield

Done Entering Yields

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+ New Farm Unit

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farm 5's Farm Units

FSA#	Farm Name	Crop Practice	
2	Arkansas Rice Farm	Long Grain Rice Irrigated	☑ Edit ☑ Yields
2	Arkansas Rice Farm	Commodity Soybeans Irrigated	☑ Edit ☑ Yields

Available Tools

Help!

Yield Update

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Farm Bill 2014 Insurance

This tool calculates net revenue for alternative insurance choices available through the 2014 Farm Bill and RMA.







Creating a <u>Corn</u> Farm Unit









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farm 5's Farm Units

FSA#	Farm Name	Crop Practice	
2	Arkansas Rice Farm	Long Grain Rice Irrigated	☑ Edit
2	Arkansas Rice Farm	Commodity Soybeans Irrigated	☑ Edit

+ New Farm Unit

Available Tools

Help!

Yield Update

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Farm Bill 2014 Insurance

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Historical Yields for Arkansas Rice Farm Corn Irrigated

Help!

FSA # 2

Enter yields for 10 or more years to get the full benefit of the insurance analysis capabilities of the decision aid. Yield risk for the crop will not be representative of actual variability if only yields for 2008-2012 are entered.

Year 😡	Actual Yield / Planted Acre ❷	Planted Acres	Prevented Planted Acres	
2010	175.0	375.0	0.0	■ Delete
2011	160.0	524.0	0.0	■ Delete
2012	215.0	400.0	0.0	■ Delete
2013	235.0	324.0	0.0	■ Delete
				■ Add Farm Yield

Done Entering Yields









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farm 5's Farm Units

FSA#	Farm Name	Crop Practice	
2	Arkansas Rice Farm	Long Grain Rice Irrigated	☑ Edit ☑ Yields
2	Arkansas Rice Farm	Commodity Soybeans Irrigated	☑ Edit ☑ Yields
2	Arkansas Rice Farm	Grain Corn Irrigated	☑ Edit ☑ Yields

+ New Farm Unit

Available Tools



Yield Update

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Yield Update Tool









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farm 5's Farm Units

FSA#	Farm Name	Crop Practice	
2	Arkansas Rice Farm	Long Grain Rice Irrigated	☑ Edit
2	Arkansas Rice Farm	Commodity Soybeans Irrigated	☑ Edit
2	Arkansas Rice Farm	Grain Corn Irrigated	☑ Edit

+ New Farm Unit

Available Tools

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Verify Your Data



Your 2013 CC yields and actual yields per planted acre for 2008 through 2012 for your state-FSA#-crop-practice combinations are presented below. It is important that these data are correct. Please verify the data below, so yield update calculations are correct.

FSA#2

Crop	Farm	2013 CC Yield	2008	2009	2010	2011	2012
Grain Corn	Arkansas Rice Farm	0.0			175.0	160.0	215.0
Soybeans	Arkansas Rice Farm	48.0	45.0	47.0	50.0	44.0	53.0
Long Grain Rice	Arkansas Rice Farm	5940.0	7350.0	7310.0	7050.0	7600.0	8010.0

Information is correct







Yield Update Decision Aid







The Decision Aid has calculated the PLC payment yield given the historical yields provided for each crop. Throughout the rest of the Decision Aid, PLC payments will be calculated assuming the higher of the two yields.

Arkansas FSA# 2

Grain Corn

2013 CC Yield	0
PLC Yield can be updated to	165

Arkansas FSA# 2

Soybeans

2013 CC Yield	48
PLC Yield can be updated to	43

Arkansas FSA# 2

Long Grain Rice

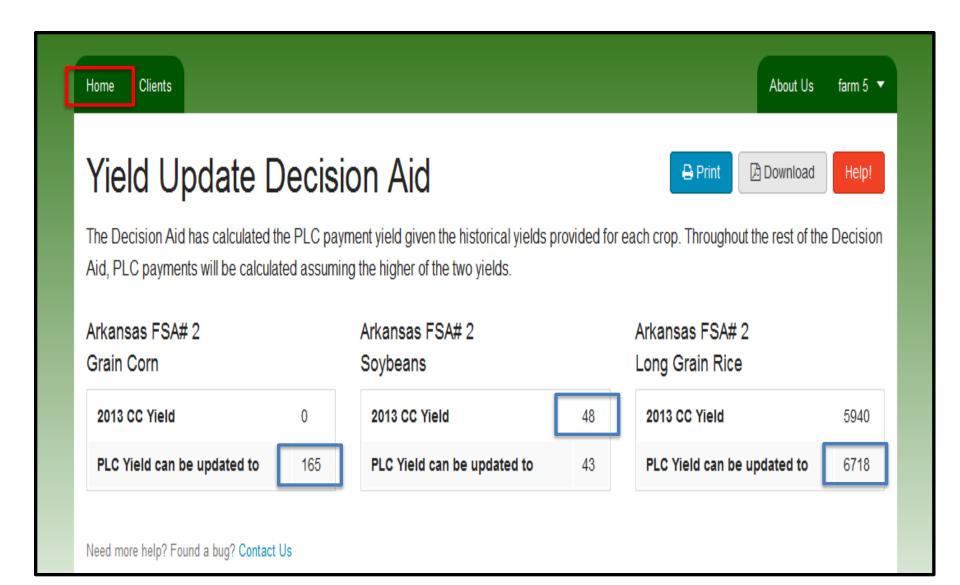
2013 CC Yield	5940
PLC Yield can be updated to	6718

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farm 5's Farm Units

FSA#	Farm Name	Crop Practice	
2	Arkansas Rice Farm	Long Grain Rice Irrigated	☑ Edit ☑ Yields
2	Arkansas Rice Farm	Commodity Soybeans Irrigated	☑ Edit ☑ Yields
2	Arkansas Rice Farm	Grain Corn Irrigated	☑ Edit

+ New Farm Unit

Available Tools



Yield Update

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Base Acre Reallocation and PLC/ARC Decision Aid Tool









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FSA#	Farm Name	Crop Practice	
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2	Arkansas Rice Farm	Grain Corn Irrigated	☑ Edit

+ New Farm Unit

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Your Data

Your current base acres, planted acres history, and prevented planting history for 2009 through 2012 are presented below. It is vital that this information is correct and complete, or the reallocated base acres will not be calculated correctly.

Arkansas FSA # 2

Planted Acres History

	2009	2010	2011	2012
Long Grain Rice	1585.0	1190.0	1200.0	1175.0
Grain Corn	0.0	375.0	524.0	400.0
Soybeans	1355.0	1571.0	1516.0	1665.0

Prevented Planting History

	2009	2010	2011	2012
Long Grain Rice	0.0	105.0	200.0	0.0
Grain Corn	0.0	0.0	0.0	0.0
Soybeans	300.0	0.0	0.0	0.0







Base Acres

	Current Base	Potential Reallocated Base
Long Grain Rice	1620.0	1342.9
Grain Corn	0.0	319.8
Soybeans	1620.0	1577.3

Verify Data

It is vital that the Current Base Acres and Planting History above is correct and complete, or the reallocated base acres will not be calculated correctly, and the analysis will be invalid.

Information is correct







Your Price Outlook ?



Please enter the expected annual commodity prices that you want to use in your analysis. You must complete all spaces in the form below before you can proceed. FAPRI and USDA price projections are provided for your convenience.

Long Grain Rice					
	FAPRI	USDA	in \$/lb		
2014	0.1250	0.1270			
2015	0.1274	0.1250			
2016	0.1255	0.1270			
2017	0.1266	0.1300			
2018	0.1287	0.1340			

Grain	n Corn		
	FAPRI	USDA	in \$/bu
2014	3.4974	3.5000	
2015	3.7883	3.4000	
2016	3.9058	3.5000	
2017	3.9155	3.5000	
2018	3.9823	3.5000	

Soyb	eans		
	FAPRI	USDA	in \$/bu
2014	9.9992	10.0000	
2015	8.7782	8.5000	
2016	9.1503	8.5500	
2017	9.4953	8.8000	
2018	9.8298	9.1000	







Your County Yield Outlook ?

If you want the analysis to assume a particular 2014 yield is realized with certainty, enter it below. Leave it blank to simulate the yield over numerous possible realizations, with an average realization equal to the value in the *Projected 2014* column.

	2009	2010	2011	2012	2013	Projected 2014	Your 2014 (optional)	2014 Yield Calcluation	Change from 2013
Long grain rice in Arkansas, Arkansas (lb/ac)	7390	7340	7604	8272	8595	8158		Simulated	-5.1 %
Grain corn in Arkansas, Arkansas (bu/ac)	160	172	160	189	200	181		Simulated	-9.6 %
Soybeans in Arkansas, Arkansas (bu/ac)	45	43	44	50	51	49		Simulated	-3.5 %







Analyze program options using FAPRI price projections







Your Price Outlook ?



Please enter the expected annual commodity prices that you want to use in your analysis. You must complete all spaces in the form below before you can proceed. FAPRI and USDA price projections are provided for your convenience.

	Long Grain Rice					
FAPRI	USDA	in \$/lb				
0.1250	0.1270					
0.1274	0.1250					
0.1255	0.1270					
0.1266	0.1300					
0.1287	0.1340					
	0.1250 0.1274 0.1255 0.1266	0.1250 0.1270 0.1274 0.1250 0.1255 0.1270 0.1266 0.1300 0.1287 0.1340				

Grain	n Corn	_	
	FAPRI	USDA	in \$/bu
2014	3.4974	3.5000	
2015	3.7883	3.4000	
2016	3.9058	3.5000	
2017	3.9155	3.5000	
2018	3.9823	3.5000	









Your Price Outlook ?



Please enter the expected annual commodity prices that you want to use in your analysis. You must complete all spaces in the form below before you can proceed. FAPRI and USDA price projections are provided for your convenience.

Long Grain Rice					
	FAPRI	USDA	in \$/lb		
2014	0.1250	0.1270	0.1250		
2015	0.1274	0.1250	0.1274		
2016	0.1255	0.1270	0.1255		
2017	0.1266	0.1300	0.1266		
2018	0.1287	0.1340	0.1287		

Grair	n Corn		
	FAPRI	USDA	in \$/bu
2014	3.4974	3.5000	3.4974
2015	3.7883	3.4000	3.7883
2016	3.9058	3.5000	3.9058
2017	3.9155	3.5000	3.9155
2018	3.9823	3.5000	3.9823

Soyb	eans		
	FAPRI	USDA	in \$/bu
2014	9.9992	10.0000	9.9992
2015	8.7782	8.5000	8.7782
2016	9.1503	8.5500	9.1503
2017	9.4953	8.8000	9.4953
2018	9.8298	9.1000	9.8298







Please enter the expected annual commodity prices that you want to use in your analysis. You must complete all spaces in the form below before you can proceed. FAPRI and USDA price projections are provided for your convenience.

2014 0.1250 0.1270 0.1250 2015 0.1274 0.1250 0.1274 2016 0.1255 0.1270 0.1255 2017 0.1266 0.1300 0.1266	Long Grain Rice					
2015 0.1274 0.1250 0.1274 2016 0.1255 0.1270 0.1255 2017 0.1266 0.1300 0.1266		FAPRI	USDA	In \$/Ib		
2016 0.1255 0.1270 0.1255 2017 0.1266 0.1300 0.1266	2014	0.1250	0.1270	0.1250		
2017 0.1266 0.1300 0.1266	2015	0.1274	0.1250	0.1274		
0.1266	2016	0.1255	0.1270	0.1255		
2018 0 1287 0 1340	2017	0.1266	0.1300	0.1266		
0.1287	2018	0.1287	0.1340	0.1287		

Grain	n Corn		
	FAPRI	USDA	In \$/bu
2014	3.4974	3.5000	3.4974
2015	3.7883	3.4000	3.7883
2016	3.9058	3.5000	3.9058
2017	3.9155	3.5000	3.9155
2018	3.9823	3.5000	3.9823

eans		
FAPRI	USDA	In \$/bu
9.9992	10.0000	9.9992
8.7782	8.5000	8.7782
9.1503	8.5500	9.1503
9.4953	8.8000	9.4953
9.8298	9.1000	9.8298
	9.9992 8.7782 9.1503 9.4953	

Your County Yield Outlook ?

If you want the analysis to assume a particular 2014 yield is realized with certainty, enter it below. Leave it blank to simulate the yield over numerous possible realizations, with an average realization equal to the value in the Projected 2014 column.

	2009	2010	2011	2012	2013	Projected 2014	Your 2014	2014 Yield Caloluation	Change from 2013
Long grain rice in Arkansas, Arkansas (ib/ac)	7390	7340	7604	8272	8595	8158		Simulated	-5.1 %
Grain com in Arkansas, Arkansas (bu/ac)	160	172	160	189	200	181		Simulated	-9.6 %
Soybeans in Arkansas, Arkansas (bu/ac)	45	43	44	50	51	49		Simulated	-3.5 %

FAPRI Prices provided as of 2014-12

Analyze Program Options







Types of Output From the Decision Aid







Base Acre Reallocation Analysis







Base Reallocation Considerations

Need help interpreting this information? Try our ▶ YouTube video

Total (2014-2018) Expected Payments or Expected Net Indemnity by Farm Program Option ?

		ARC	ARC-CO		PLC		+ SCO
Crop	Reallocate Base	Yes	No	Yes	No	Yes	No
Long Grai	in Rice	\$237,904	\$286,989	\$805,358	\$971,523	\$847,309	\$1,013,474
Grain Cor	n	\$66,594	\$0	\$59,466	\$0	\$69,581	\$10,115
Soybeans	3	\$163,279	\$167,701	\$82,276	\$84,504	\$82,276	\$84,504

Combinations of ARC-CO, PLC, and PLC+SCO to Maximize Total Payments for the Farm ?

		Reallocate Base		No Reallocation		
Crop	Program	Expected Payment	Program	Expected Payment		
Long Grain Rice	PLC + SCO	\$847,309	PLC + SCO	\$1,013,474		
Grain Corn	PLC + SCO	\$69,581	PLC + SCO	\$10,115		
Soybeans	ARC-CO	\$163,279	ARC-CO	\$167,701		
	Total	\$1,080,170	Total	\$1,191,290		







Per Crop Analysis Using "Stoplight" Graph







The following chart shows annual expected payments for each year (2014-2108).

The scenario with the least red and most green will minimize payment risk. The rule is: Red is bad, Green is good

Program	ARC-CO	ARC-CO	PLC + SCO	PLC + SCO
Reallocate Base?	Yes	No	Yes	No
Chance that the expected payment is greater than \$157,992 Chance that the expected payment is between \$10,355 and \$157,992 Chance that the expected payment is less than \$10,355	100 - - 50 - -			







The following chart shows annual expected payments for each year (2014-2108).

The scenario with the least red and most green will minimize payment risk. The rule is: Red is bad, Green is good

Program		ARC-CO	ARC-CO	PLC + SCO	PLC + SCO
Reallocate Base?		Yes	No	Yes	No
Chance that the expected payment is greater than \$37,118 Chance that the expected payment is between \$11,135 and \$37,118 Chance that the expected payment is less than \$11,135	100 - 50 -				







Per Crop Analysis Looking at Expected Payments per Year







Long Grain Ric	e						
FSA Program	Reallocate Base	2014	2015	2016	2017	2018	Sum
ARC-CO	Yes					∢ S	how Details
Expected Pay	rment	\$28,051	\$46,384	\$54,641	\$56,326	\$52,502	\$237,904
ARC-CO	No					∢ S	how Details
Expected Pay	rment	\$33,838	\$55,954	\$65,914	\$67,948	\$ 63,335	\$286,989
PLC	Yes					∢ S	how Details
Expected Pay	ment 🕰	\$149,090	\$162,414	\$171,101	\$166,099	\$156,654	\$805,358
PLC	No					∢ S	how Details
Expected Pay	ment 🕰	\$179,851	\$195,924	\$206,404	\$200,369	\$188,975	\$971,523
sco	N/A						
Expected Net	Indemnity	\$0	\$10,524	\$10,355	\$10,459	\$10,614	\$41,952
PLC + SCO	Yes						
Expected Pay	ment + Net Indemnity	\$149,090	\$172,937	\$181,456	\$176,557	\$167,268	\$847,309
PLC + SCO	No						
Expected Pay	rment + Net Indemnity	\$179,851	\$206,447	\$216,759	\$210,828	\$199,590	\$1,013,474







Per Crop Analysis Looking at Payment Probabilities per Year







Long Grain Ric	е						
FSA Program	Reallocate Base	2014	2015	2016	2017	2018	Sum
ARC-CO	Yes					4 S	how Details
Expected Pay	ment	\$28,051	\$46,384	\$54,641	\$56,326	\$52,502	\$237,904
ARC-CO	No					4 S	how Details
Expected Pay	ment	\$33,838	\$55,954	\$65,914	\$67,948	\$63,335	\$286,989
PLC	Yes					4 S	how Details
Expected Pay	ment 🕰	\$149,090	\$162,414	\$171,101	\$166,099	\$156,654	\$805,358
PLC	No					∢ S	how Details
Expected Pay	ment 🕰	\$179,851	\$195,924	\$206,404	\$200,369	\$188,975	\$971,523
sco	N/A						
Expected Net	Indemnity	\$0	\$10,524	\$10,355	\$10,459	\$10,614	\$41,952
PLC + SCO	Yes						
Expected Pay	ment + Net Indemnity	\$149,090	\$172,937	\$181,456	\$176,557	\$167,268	\$847,309
PLC + SCO	No						
Expected Pay	ment + Net Indemnity	\$179,851	\$206,447	\$216,759	\$210,828	\$199,590	\$1,013,474







Long Grain Rice

FSA Program	Reallocate Base	2014	2015	2016	2017	2018	Sum
ARC-CO	Yes					•	Hide Details
Expected Pay	rment	\$28,051	\$46,384	\$54,641	\$56,326	\$52,502	\$237,904
Probability of	Payment	39%	44%	49%	49%	47%	
25% of Paym	ents	≤ \$0	≤ \$0	≤ \$0	≤ \$0	≤ \$0	
25% of Paym	ents	≥ \$46,722	≥ \$127,561	≥ \$132,208	≥ \$135,128	≥ \$134,529	
5% of Payme	nts	≥ \$125,412	≥ \$131,706	≥ \$136,790	≥ \$140,737	≥ \$143,754	







Looking at Same Program for All Crops, Stoplight Graph







The following chart shows annual expected payments for each year (2014-2018) if you make the same choices across all crops in FSA # 2.

The scenario with the least red and most green will minimize payment risk. The rule is: Red is bad, Green is good

Program	ARC-IC	ARC-CO	ARC-CO	PLC + SCO	PLC + SCO
Reallocate Base?	N/A	Yes	No	Yes	No
Chance that the total annual payment is greater than \$172,630 Chance that the total annual payment is between \$51,789 and \$172,630 Chance that the total payment is less than \$51,789	100 - - - 50 - - 0				







Looking at Same Program for All Crops, Expected Returns Per Year







The following table shows expected payments or SCO net indemnities if you make the same choices across all crops in FSA # 2.

FSA Program	Reallocate Base	2014	2015	2016	2017	2018	Sum
ARC-IC	N/A					•	Show Details
Expected Payment		\$65,102	\$87,008	\$83,321	\$67,744	\$34,268	\$337,443
ARC-CO	Yes	\$75,748	\$116,056	\$115,512	\$91,528	\$68,933	\$467,777
ARC-CO	No	\$60,607	\$108,956	\$113,798	\$96,200	\$75,129	\$454,690
PLC 🛕	Yes	\$164,841	\$205,360	\$204,022	\$193,739	\$179,138	\$947,100
PLC 🛕	No	\$180,151	\$226,779	\$229,019	\$217,774	\$202,303	\$1,056,026
SCO Expected Net Indemnity	N/A	\$0	\$12,983	\$12,889	\$12,999	\$13,197	\$52,067
PLC + SCO	Yes	\$164,841	\$218,343	\$216,910	\$206,738	\$192,335	\$999,166
PLC + SCO	No	\$180,151	\$239,762	\$241,908	\$230,773	\$215,499	\$1,108,093





