



# FSA Commodity Programs

## Average Crop Revenue Election (ACRE) Program

*FSA ACRE Program  
Calculator Presentation*

*v1*

*Disclaimer: Provisions provided in this presentation are subject to change or interpretive differences.*



# Overview

## ACRE Program Calculator

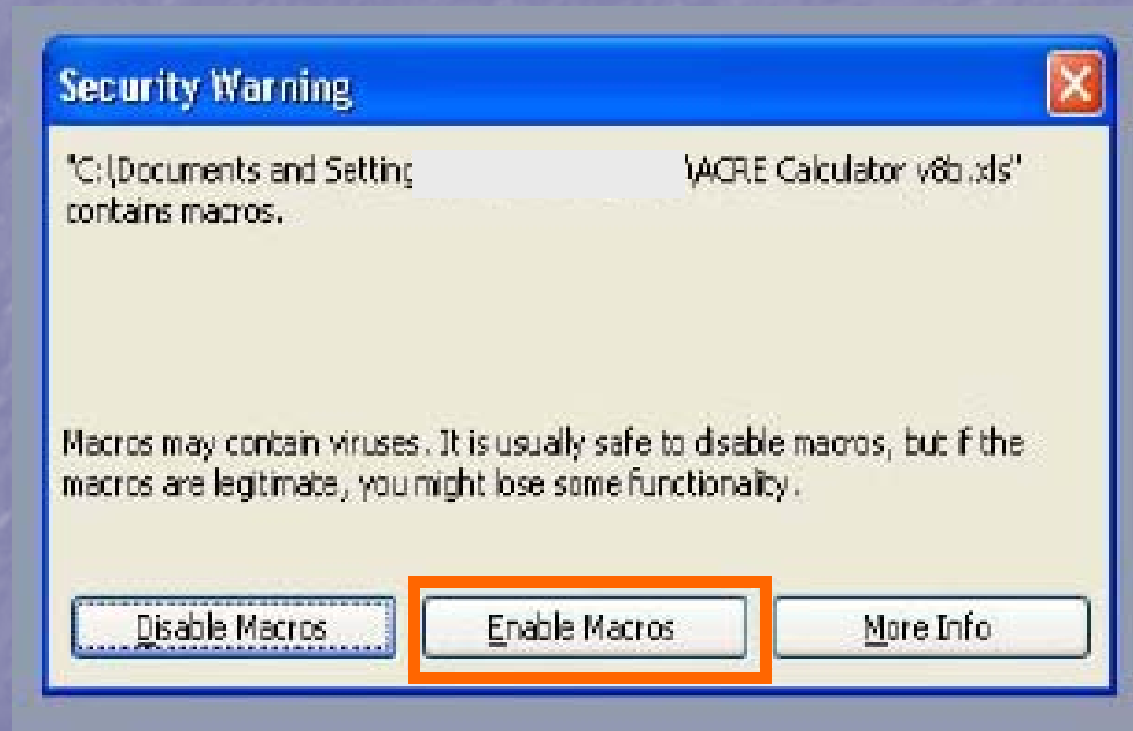
- Software: Excel (developed using Excel 2003)
- Name: FSA ACRE Calculator v1.xls
- Provided by FSA: [www.fsa.usda.gov/dcp](http://www.fsa.usda.gov/dcp)
- For use by producers to determine estimated payment amounts or to assist in their decisions
- Only provides an estimate, due to rounding policies and producer yield and price projections.





# Overview

- When opening the calculator, a warning screen will pop up:



- Click on "Enable Macros" and the "Start Page" will open.



# Start Page

- Initially, the “Start Page” provides a disclaimer
- After the initial use, the calculator may open on other worksheets
- Click on “Continue on to Data Entry”

## Average Crop Revenue Election (ACRE) Program

### Estimated Benefits Calculator

This software is intended for educational use. It was developed solely to provide information to producers with regard to the potential payment calculations for the ACRE Program for a farm. Estimated potential payment calculations may differ from actual payments due to price and yield projections, rounding, and the application of payment limitation rules. This model does not apply the limitations for producers, nor does it calculate individual producer payments. Users may run the calculator for any of the years to project future payments.

By accessing and using this calculator, the user acknowledges that projected outcomes generated by this calculator are for informational purposes, are not forecasts of future outcomes, and do not guarantee any future outcome or result.

[Continue on to  
Data Entry](#)



# Data Entry

## General Data Entry Information

- See “Crops and Units Chart” for correct units (right of Table 1 on Data Entry Worksheet)
- All yields are based on whole numbers.

<b>Crops and Units Chart:</b>	
<b>Bushels</b>	<b>Pounds</b>
Wheat	Canola
Barley	Small Chickpeas
Oats	Large Chickpeas
Corn	Crambe
Grain Sorghum	Dry Peas
Soybeans	Lentils
Flaxseed (56 #/bu)	Mustard Seed
	Peanuts
	Rapeseed
	Rice, Long Grain
	Rice, Medium/Small Grain
	Safflower
	Sesame seed
	Sunflower
	Upland Cotton



# Data Entry

- Most data entries are inputted on this sheet
- Tabs at the top of the sheet:
  - Clear Data
  - Go to Instructions
  - Go to Triggers
  - Go to Payments

Click on the tabs to clear data on this sheet, view instructions, go to the Triggers Calculations, or go to the Payments.

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Table 1: Basic Farm Data		FSN Base Acreage (if applicable)	DCP Program Yields (if applicable)		2009 Farm Data		2009 Crop Insurance Premiums (enter only one, if applicable)		FSA Use Only: CI Premium
Operator	FSN/County		Direct	Counter-Cyclical	Prev. Acreage	Planted Acreage	Total	Per Acre	
Crop Year:	2009								
Crops:									
Enter ALL crops with Base Acres and Planted/PP Covered Commodity Crops and Peanuts									
		0.0					Total	0.0	

Table 2: Farm Yield Data		2009 Benchmark Farm Yield (BFY) *						FSA Use Only: BFY *	2009 Actual Farm Yield *
Actual Farm Yields (Production/Planted Acres)		2004	2005	2006	2007	2008	Average*		
* Preliminary or Estimated									

Table 3: State Yield Data		2009 Benchmark State Yield (BSY) *						FSA Use Only: BSY *	2009 Actual State Yield *	Not Applicable for 2009
Actual State Yields *		2004	2005	2006	2007	2008	Average*			
* Preliminary or Estimated										

Table 4: National Data		ACRE Guarantee Price *	2009 Nat. Avg. Market Price *	2009 Loan Rate	DCP Direct Rate	2009 Target Price	2009 Projected CC Rate	Not Eligible for ACRE Payments
* Preliminary or Estimated								

Crops on the farm are not eligible for ACRE payments because the crops did not meet the State and Farm triggers. Click on the red Trigger

Click on the tabs to clear data on this sheet, view instructions, go to the Triggers Calculations, or go to the Payments.

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Table 1: Basic Farm Data		FSN Base Acreage (if applicable)	DCP Program Yields (if applicable)		2009 Farm Data		2009 Crop Insurance Premiums (enter only one, if applicable)		FSA Use Only: CI Premium
Operator	FSN/County		Direct	Counter-Cyclical	Prev. Acreage	Planted Acreage	Total	Per Acre	
Crop Year:	2009								
Crops:									

1 0.71  
 2 0.44  
 3 0.37  
 4 0.40  
 5 0.33  
 6 0.1214  
 7 1.05  
 8 1.05  
 9 0.58  
 10 1.79  
 11 104  
 12 2.90  
 13 1.53  
 14 2.03  
 15 1.53



# Data Entry: Basic Farm Data

- Enter data in cells which are highlighted in yellow
- Basic Information: Operator Name, FSN/County, Crop Year
- List every crop that has base acreage and every covered commodity crop or peanuts that is planted or prevented planted on the farm.

Table 1: Basic Farm Data		FSN Base Acreage (if applicable)	DCP Program Yields (if applicable)		2009 Farm Data		2009 Crop Insurance Premiums (enter only one, if applicable)		FSA Use Only: CI Premium
Operator	B Farms		Direct	Counter-Cyclical	Prev. Acreage	Planted Acreage	Total	Per Acre	
FSN/County	1234								0.00
Crop Year:	2009								0.00
Crops: Enter ALL crops with Base Acres and Planted/PP Covered Commodity Crops and Peanuts	wheat								0.00
	wheat								0.00
	Barley								0.00
	Oats								0.00
	Corn								
	Grain Sorghum								
	Upland Cotton								
	Rice, Medium/Short Grain								
	Rice, Long Grain								
		0.0			Total	0.0			

Use drop down box to enter crops.





# Data Entry: Basic Farm Data

- Enter Base Acreage, DCP Yields (optional), and Prevented and Planted Acreage
- Enter Crop Insurance information (Either enter total for the farm or amount per acre)
  - If both are entered, "error" will be indicated in the FSA Use Only column.

Table 1: Basic Farm Data		FSN Base Acreage (if applicable)	DCP Program Yields (if applicable)		2009 Farm Data		2009 Crop Insurance Premiums (enter only one, if applicable)		FSA Use Only: CI Premium
Operator	B Farms		Direct	Counter-Cyclical	Prev. Acreage	Planted Acreage	Total or	Per Acre	
FSN/County	1234								
Crop Year:	2009								
Crops: Enter ALL crops with Base Acres and Planted/PP Covered Commodity Crops and Peanuts	Barley	300.0	80.0	85.0	0.0	0.0		\$ 5.00	0.00
	Wheat	100.0	100.0	100.0	100.0			\$ 10.00	10.00
	Corn	0.0				400.0	8000	\$ 20.00	Error
		400.0			Total	500.0			

Round all yields to whole numbers



# Data Entry: Farm Yield Data

Table 2: Farm Yield Data

- Enter Historical and Actual Yield in the yellow cells

Table 2: Farm Yield Data * Preliminary or Estimated	2009 Benchmark Farm Yield (BFY) *						FSA Use Only: BFY *	2009 Actual Farm Yield *
	Enter 5 previous years (2004 - 2008) OR Average (not both)							
	Actual Farm Yields (Production/Planted Acres)					Average*		
	2004	2005	2006	2007	2008			
Barley							0.00	
Wheat							0.00	
Corn							0.00	

Do not enter both Actual Yields and Average Yield for a crop!  
There will be an error message if both are entered.



# Data Entry: Farm Yield Data

Table 2: Farm Yield Data

- Enter Historical and Actual Yield in the yellow cells

Table 2: Farm Yield Data * Preliminary or Estimated	2009 Benchmark Farm Yield (BFY) *						FSA Use Only: BFY *	2009 Actual Farm Yield *
	Enter 5 previous years (2004 - 2008) OR Average (not both)							
	Actual Farm Yields (Production/Planted Acres)							
	2004	2005	2006	2007	2008	Average*		
Barley							0.00	
Wheat						126.00	126.00	130.00
Corn	<del>150.00</del>	<del>160.00</del>	<del>130.00</del>	<del>122.00</del>	<del>145.00</del>	143.00	143.00	120.00

To ensure the most accurate calculations, the user should round to whole numbers for bushels and pounds.

If individual actual yields are loaded, delete the yields and enter the rounded amount that was calculated in the "FSA Use Only" column in the "Average" column.



# Data Entry: State Yield Data

For 2010 -2012, Previous Year State ACRE Guarantee is entered.

Table 3: State Yield Data

- Enter Historical and Actual Yield in the yellow cells

Table 3: State Yield Data *Preliminary or Estimated	2009 Benchmark State Yield (BSY) *						FSA Use Only: BSY *	2009 Actual State Yield *	Not Applicable for 2009
	Enter 5 previous years (2004 - 2008) OR Average (not both)								
	Actual State Yields *					Average*			
	2004	2005	2006	2007	2008				
Barley							0.00		
Wheat						120.00	120.00	100.00	
Corn						140.00	140.00	145.00	

Do not enter both Actual Yields and Average Yield for a crop!

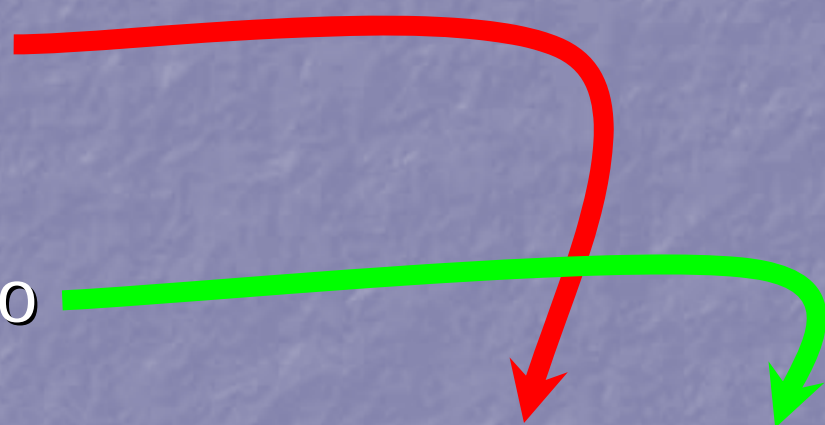
To ensure the most accurate calculations, the user should round to whole numbers for bushels and pounds.





# Data Entry

- After data entry, go to the trigger sheet to view the calculations
- Go to the payment sheet to enter payment acres.



Click on the tabs to clear data on this sheet, view instructions, go to the Triggers Calculations, or go to the Payments.

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Table 1: Basic Farm Data		FSN Base Acreage (if applicable)	DCP Program Yields (if applicable)		2009 Farm Data		2009 Crop Insurance Premiums (enter only one, if applicable)		FSA Use Only: CI Premium
Operator			Direct	Counter-Cyclical	Prev. Acreage	Planted Acreage	Total or	Per Acre	
FSN/County									
Crop Year:	2009								
Crops:									



# Trigger Sheet

View Only

Go to Payments ↩

Click on the tabs to view instructions, go to Data Entry, go to the Triggers Calculations, or go to the Payments Page

Instruction

Data Entry

Payments

State Trigger	State ACRE Guarantee (SAG) *					Actual State Revenue (ASR) *			State Trigger Met?
	Benchmark State Yield	Guar. Price	Calc. SAG	Previous year SAG	2009 SAG	2009 Actual State Yield	2009 Nat. Avg. Market Price	2009 ASR	
Wheat	120.00	\$ 6.6700	\$ 720.36	\$ -	\$ 720.36	100.00	\$ 6.5000	\$ 650.00	yes
Corn	140.00	\$ 4.2000	\$ 529.20	\$ -	\$ 529.20	145.00	\$ 3.6000	\$ 522.00	yes

Farm Trigger	Farm ACRE Guarantee *				Actual Farm Revenue (AFR) *			Farm Trigger Met?
	Benchmark Farm Yield	Guar. Price	Crop Ins. Premiums per Acre	2009 Farm ACRE Guarantee	2009 Actual Farm Yield	2009 Nat. Avg. Market Price	2009 AFR	
Wheat	126.00	\$ 6.6700	\$ 20.00	\$ 860.42	0.00	\$ 6.5000	\$ -	yes
Corn	143.00	\$ 4.2000	\$ 30.00	\$ 630.60	120.00	\$ 3.6000	\$ 432.00	yes







# Payments Worksheet

## ACRE Payments Section

- Enter acres in the yellow cells.

### Projected Farm Payments

Enter 'Payment Acres' for each eligible crop. For each eligible crop, the payment acres for that crop. For the farm, the total payment acres of all eligible crops cannot exceed the total base acres.

ACRE Payments	Max. Farm Eligible Acreage for ACRE (total base acres):						400.0
	1 State Trigger	2 Farm Trigger	3 Payment Acreage %	4 Planted & Con. Planted	5 Est. ACRE per acre	6 Potential Payment Acres	7 Payment Acres
Wheat	yes	yes	83.3%	100.0	\$ 73.88	83.3	
Corn	yes	yes	83.3%	400.0	\$ 7.35	293.2	
Additional acres that may be designated:							400.0

Only crops with planted or prevented planted acreage will be displayed.

Column 5 provides the Estimated ACRE payment per acre.

- Acres need to be entered for all crops, regardless of whether they met both triggers
- Payment acres for a crop cannot exceed Potential Payment Acres (column 6)
- Total crop payment acres (sum of column 7) cannot exceed total base (amount above column 7)
- Error message will be displayed if maximums are exceeded.



# Payments Worksheet

## ACRE Payments Section

Benchmark Farm Yield divided by Benchmark State Yield

ACRE Payments	Max. Farm Eligible Acreage for ACRE (total base acres): 400.0							Payment = Item 7 times Item 8 times (lessor of Item 8 or 9)			
	1 State Trigger	2 Farm Trigger	3 Payment Acreage %	4 Planted & Con. Planted	5 Est. ACRE per acre	6 Potential Payment † Acres	7 Payment Acres	8 Farm Prod. Index Factor	9 SAG minus ASR	10 SAG x 25%	Projected ACRE Payment
Wheat	yes	yes	83.3%	100.0	\$ 73.88	83.3	83.3	1.0500	\$ 70.36	\$ 180.09	\$ 6,154
Corn	yes	yes	83.3%	400.0	\$ 7.35	333.2	316.7				

Remaining acres cannot exceed the amount in column 6, or the remaining amount at the bottom of column 7.

If a crop does not "trigger", payments will not be issued for the crop and the payment acreage cannot be designated to another crop.

