

## 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: <u>www.fsa.usda.gov/dcp</u>
- 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

#### Calculator has five worksheets:

Start Page with Disclaimer
Instructions Worksheet
Data Entry Worksheet
Trigger Worksheet
Payments Worksheet

eets Click on the tabs to vie riggers Calculations. Projected F Payments	S : w instruction	Çi ons, go to E	Operator FSN/Count ck on the tabs Data Entry, c	to go to Data or go to the No crops ar	Entry, go to t	Acreage (f appli- cable) he Instruction	(if applica Discase C Data Entry n ments. Do	ble) 200 counter- Prev Data Entry	Planted Planted Tri-	ayments	pplicable)	Only: CI Premium
	Max	. Farm Eli	gible Acrea	ige for ACF	RE (total ba	ise acres):	0.0	Payme	ent – Item 7 tim	nes item 8 time	s (lessor of Ite	m 8 or 9)
ACRE Payments	1 State Trigger	2 Farm Trigger	3 Payment Acreage %	4 Planted & Con. Planted	5 Est. ACRE per acre	6 Max. Payment Acres		8 Farm Prod. Index Factor	9 SAG minus ASR	10 SAG x 25%	Projec ACRE Pa	cted lyment
												_
		Maxin	num Payme	nt Acres h	ave been d	esignated					\$	
Payment			D	CP				А	CRE Pr	ogram		
Comparison	Dir	ect	Counter	-cyclical	То	tal	Direc	irect (80%) ACRE Total				
					S						\$	-
					S						S	
					\$	-					\$	-
					S	-					5	-
					S	-					S	
					\$	-					\$	-
					\$	-					S	-
	•		\$		5	-	•				3 5	E
essa	ry	'									Crops on the not eligible fo payments be crops did not State and Fa Click on the i Tab to review Calculations.	farm are or ACRE cause the t meet the irm triggers, red Trigger v the Triggel
21156		1000			-							

Table 1: Basic Farm Data FSN Base DCP Program Yields

Data Entries are only necessary
on the "Data Entry" Worksheet
and the "Payments"
Worksheet.

Table 5: Tar	able 5: Target Price, Direct Rate, and Loan					2009 2010 - 2012									
	Rates				2000 2012										
Covered Commodity Crop and Peanuts		DCP Direct Rate		Ta Pr	rget rice	υ	oan Rate	N	lax CC If R>Mrkt	Т	arget Price	Loa	n Rate	1	Max CC If LR>Mrkt
Wheat (bu)		\$	0.52	\$	3.92	\$	2.75	\$	0.65	ş	4.17	\$	2.94	\$	0.71
Barley (bu)		\$	0.24	\$	2.24	\$	1.85	\$	0.15	\$	2.63	\$	1.95	\$	0.44
Oats (bu)		\$	0.024	\$	1,44	\$	1.33	\$	0.086	\$	1.79	\$	1.39	\$	0.376
Corn (bu)		\$	0.28	\$	2.63	\$	1.95	\$	0.40	\$	2.63	\$	1.95	\$	0.40
Grain Sorghum (bu)	Grain Sorghum (bu)		0.35	\$	2.57	\$	1.95	\$	0.27	\$	2.63	\$	1.95	\$	0.33
Upland Cotton (Ib)		\$	0.0667	\$ (	0.7125	\$	0.52	\$	0.1258	\$	0.7125	\$	0.52	\$	0.1258
Disa (aut)	Modium Grain	8	2.35	\$	10.50	\$	6.50	\$	1.65	8	10.50	\$	6.50	\$	1.65
rice (cwi)	Long Grain	\$	2.35	\$	10.50	\$	6.50	\$	1.65	\$	10.50	\$	6.50	\$	1.65
Soybeans (bu)		8	0.44	\$	5.80	\$	5.00	\$	0.36	\$	6.00	\$	5.00	\$	0.56
Other Oilsoods (cwt): Canola, Flaxsood, Rapeseed, Sunflower, Mustard seed, Safflower, Crambe, Sesame		\$	0.80	\$	10.10	\$	9.30	\$		\$	12.68	\$	10.09	\$	1.79
Peanuts (ton)		\$	36	\$	495	\$	355	\$	104	\$	495	\$	355	\$	104
	Dry Peas			\$	8.32	\$	5.40	\$	2.92	\$	8.32	\$	5.40	\$	2.92
Dates Cross (suf)	Lontils			\$	12.81	\$	11.28	\$	1.53	\$	12.81	\$	11.28	\$	1.53
Pulse Crops (Cwt)	Small Chickpeas			\$	10.36	\$	7.43	\$	2.93	\$	10.36	\$	7.43	\$	2.93
	Largo Chickpeas			\$	12.81	\$	11.28	\$	1.53	\$	12.81	\$	11.28	\$	1.53



### Overview

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

Security Warning	
<sup>•</sup> C:\Documents and Setting contains macros.	VACRE Calculator v8b.xds"
Macros may contain viruses . It is usu macros are legitimate , you might lose	ally safe to disable macros, but if the some functionality.

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.

rops and Units Ch	art:
Bushels	Pounds
Vheat	Canola
Barley	Small Chickpeas
Dats	Large Chickpeas
Corn	Crambe
Grain Sorghum	Dry Peas
Soybeans	Lentils
laxseed (56 #/bu)	Mustard Seed
	Peanuts
	Rapeseed
	Rice, Long Grain
	Rice, Medium/Small Grain
	Safflower
	Sesame seed
	Sunflower
	Upland Cotton



Table 1:

Crops:

Operator FSN/County Crop Year:

### Data Entry

able 1: Basic Farm Data

Enter ALL crop with Base Acre and Planted/PP Covered Commodity Crops and

Table 2: Farm Yield

Data

Table 3: State Yield

OCP Program Yield (if applicable)

Direct

ter 5 previous years (2004 - 2008) OR Average (n Actual Farm Yields (Production/Planted Accus)

2009 Earm Dat

ESA Use Only: Cl

Total or Per Acr

FSA Us Only: BFY \*

Most data entries are inputted on this sheet

■ Tabs at the top of the sheet:

- $\sim$

Click on the tabs t to the Triggers Ca

				•p	reliminary or Estimated	0004	Actual State	fields *	0000		Only: S	State Yield *	for 2009
				Jes Jones		2004	2005 2006	2007	2008	Average.	831.	_	
Go to Instructions													
												_	
Go to Triggers						ACRE 20	09 Nat. See	Table 5 Infor	rmation	2009			
				Tat • r	ole 4: National Data Preliminary or Estimated	Guarantee Price*	Avg. larket rice * Rate	In DCP Direct Rate	2009 Target Price	Projected CC Rate		Not Eligible Payme	for ACRE ents
Go to Payments											n p c s	Crops on the I not eligible for payments bec crops did not I State and Fan Click on the re	arm are ACRE cause the meet the m triggers. ad Trigger
o clear data on this sheet, view inst lculations, or go to the Payments.	ructions, g	CLEAR	) 🗸	Instruction	7	Trig	gers	7	Pa	aym	ents	7	Trigger
Basic Farm Data FSN Base	DCP Prog	ram Yields	2009 Fa	arm Data	2009 ( Premi	Crop ums (	Insura enter	ince only	,	FS/	4 Us	e	\$ 0.71 \$ 0.44 \$ 0.376 \$ 0.40 \$ 0.33
(if appli-	(ii app	illeabie)			one,	if ap	plicab	le)		On	ly: C	1	\$ 0.1258 \$ 1.65 \$ 1.65
cable)	Direct	Counter- Cyclical	Prev. Acreage	Planted Acreage	Total	or	Per	Acre	e	Pre	miur	n	s 0.56 s 1.79 s 104 s 2.92 s 1.53
													2.93
													7



### 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 <u>and</u> every covered commodity crop or peanuts that is planted or prevented planted on the farm.

Table 1: Ba	sic Farm Data	FSN Base	DCP Prog	ram Yields	2009 Fa	arm Data	2009 Crop Premiums	Insurance (enter only	FSA Use		
Operator	B Farms	appli-	(ii app	( approable)				one, if applicable)			
FSN/County	1234	cable)	Direct	Counter-	Prev.	Planted	Total or	Por Acro	Premium		
Crop Year:	2009	00010)	Direct	Cyclical	Acreage	Acreage		Fel Acle			
	wheat 🔍 💌								0.00		
Crops:	Wheat 🔼								0.00		
Enter ALL crops with Base Acres and Planted/PP	Oats Corn Grain Sorghum Upland Cotton Rice, Medium/Short Grair		Use of to	lrop dov enter cr	vn box ops.				0.00		
Covered	Rice, Long Grain 🛛 🞽										
Commodity Crops											
and Peanuts											
	0.0	0 Total 0.0						8			



### 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	DCP Progr (if appl	r <b>am Yields</b> icable)	2009 Fa	rm Data	2009 Crop Premiums	Insurance (enter only	FSA Use
Operator	B Farms	appli-					one, ir ap	Only: CI	
FSN/County	1234	cable)	Direct	Counter-	Prev.	Planted	Total or	Per Acre	Premium
Crop Year:	2009		2	Cyclical	Acreage	Acreage	i otai oi		
	Barley	300.0	80.0	85.0	0.0	0.0		\$ 5.00	0.00
Crops:	Wheat	100.0	100.0	100.0	100.0			\$ 10.00	10.00
Enter ALL groups	Corn	0.0				400.0	8000	\$ 20.00	Error
Enter ALL crops									
with Base Acres									
and									
Planted/PP							_		
Covered			- Rou	nd all	yields	to who	ole num	bers –	
Commodity Crops									
and Peanuts									
		400.0							9
		400.0			Total	500.0			



### Data Entry: Farm Yield Data

Table 2: Farm Yield Data

#### Enter Historical and Actual Yield in the yellow cells

Table 2: Farm Vield		2	009 Bench	mark Farn	n Yield (Bl	-Y) *		
	Enter 5 pre	evious yea	rs (2004 -	2008) OR /	Average (r	not both)	FSA Use	2009 Actual
Data	Actual	Farm Yield	Only:	Farm Yield *				
* Preliminary or Estimated	2004	2004 2005 2006 2007 2008 Average*					BFY *	
Barley							0.00	
Wheat							0.00	
Corn							0.00	
			Y					
						• • •		
	Do r	not en	iter dc	oth Aci	tual Y	ields		
	and	$\Delta v \rho r$	Y ank	ield fr	nr a cr	onl		
			uge i			op.		
Felder to Andrews	There	e will bot						



### Data Entry: Farm Yield Data

Table 2: Farm Yield Data

#### Enter Historical and Actual Yield in the yellow cells

Table 2: Farm Yield		20	09 Bench	mark Farm	Yield (BF	Y) *						
Data	Enter 5 pre	evious yea	rs (2004 - 2	2008) OR A	verage (n	ot both)	FSA Use	2009 Actual				
* Proliminary or Estimated	Actual	Farm Yields	Only:	Farm Yield *								
Preniminary of Estimated	2004	2005	2006	2007	2008	Average*	BFY *					
Barley							0.00					
Wheat						126.00	126.00	130.00				
Corn	<mark>- 150.00</mark>	160.00	133.00	122.00	145.00	143.00	143.00	120.00				
To ensure the most accurate calculations, the user should round to whole numbers for bushels and pounds.												
and enter t "FSA Use C	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,

Table 3: State Yield Data

#### Enter Historical and Actual Yield in the yellow cells

Table 3: State Yield	Enter 5 pre	20 evious yea	2009 Actual	Not Applicable					
*Preliminary or Estimated	2004	Actu 2005	al State Yie 2006	lds * 2007	Average*	Only: BSY *	State Yield *	for 2009	
Barley	2001	2000	2000	2001	2000		0.00		
Wheat						120.00	120.00	100.00	
Corn						140.00	140.00	145.00	
		at an	torh	م <b>+</b> ه ۸	atual	Violda			
		iot en							
	and								

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

Previous Year State ACRE Guarantee is

entered.



### Data Entry: National

Data

Table 4: National Data

Enter data in yellow cells for ACRE and purple cells for DCP/ACRE comparisons The calculator will project a DCP Countercyclical rate, based on target price and Nat. Avg. Market Price.

13

			20	09 Nat.	See	a Table 🗄	5 Inforr	nation	I	20	000	
Fable 4: National Data           * Preliminary or Estimated	Guarantee Price *		Avg. Market Price *		2009 Lo Rate	an Di Di R	CP rect ate	2009 Target Price		Proj CC	ected Rate	
Barley	Barley\$ 3.5000Wheat\$ 6.6700\$ 6.5000Filled.						bo pro			-	13	
Wheat							pe bie-	T		-		
Corn	\$	4.2000	\$	3.6000					_			
	Table 5: Target Price, Direct Rate Rates				irect Rate, and S	d Loan						
						Covered	Commodity Crop a	nd Peanuts	DCP Direct Rate	Target Price	Loan Rate	Max CC if LR>Mrkt
						Wheat (bu)			\$ 0.52	\$ 3.92	\$ 2.75	\$ 0.65
						Dats (bu)			\$ 0.24 \$ 0.024	\$ 2.24 \$ 1.44	\$ 1.85 \$ 1.33	\$ 0.086
Crops that are in						Corn (bu)			\$ 0.28	\$ 2.63	\$ 1.95	\$ 0.40
are an indicate bath						Grain Sorghum (bu	)		\$ 0.35	\$ 2.57	\$ 1.95	\$ 0.27
green indicate both						Upland Cotton (lb)	Nedium Orai		\$ 0.0667	\$ 0.7125	\$ 0.52	\$ 0.1258
the State and the						Rice (cwt)	Long Grain		\$ 2.35	\$ 10.50	\$ 6.50	\$ 1.65 \$ 1.65
						Soybeans (bu)	Long Gran		\$ 0.44	\$ 5.80	\$ 5.00	\$ 0.36
- Farm triggers were	-					Other Oilseeds (cw Sunflower, Mustard	t): Canola, Flaxsee seed, Safflower, Cra	d, Rapeseed, mbe, Sesame	\$ 0.80	\$ 10.10	\$ 9.30	\$ -
met.						Peanuts (ton)			\$ 36	\$ 495	\$ 355	\$ 104
							Dry Peas			\$ 8.32	\$ 5.40	\$ 2.92
						Pulse Crops (cwt)	Small Chickpeas			a 12.81 \$ 10.36	\$ 11.28	a 1.53 S 2.93
							Large Chickpeas			\$ 12.81	\$ 11.28	\$ 1.53



Data Entry

After data entry, go to the trigger sheet to view the calculations

Go to the payment sheet to enter payment acres.

Clic to t	Click on the tabs to clear data on this sheet, view instructions, go CLEAR Instruction Triggers Payments to the Triggers Calculations, or go to the Payments.														
	Table 1: Ba	FSN Base DCP Program Yields Acreage (if applicable) 2		2009 Farm Data		2009 Crop Premiums	FSA Use								
	Operator		(if appli-		-			one, if a	Only: Cl						
	FSN/County		(n apple)	Direct	Counter-	Prev.	Planted	Total	Bor Acro	Premium					
	Crop Year:	2009	000107	Direct	Cyclical	Acreage	Acreage	Total of	Fel Acie						
	Crops:														

FSA	Ţ	rig	ger	' Sh	<b>)ee</b> '	ر Go	Viev to Pay	w Only yments					
Click on the tabs to view instructions, go to Data Entry, go to the Triggers Calculations, or go to the Payments Page													
0 T.		State ACF	RE Guarant	ee (SAG) *		Actual St	ate Revenu	ie (ASR) *	State				
State Trigger	Benchmark State Yield	Guar. Price	Calc. SAG	Previous year SAG	2009 SAG	2009 Actual State Yield	2009 Nat. Avg. Market Price	2009 ASR	Trigger Met?				
Wheat	120.00	\$ 6.6700	\$ 720.36	\$-	\$ 720.36	100.00	\$ 6.5000	\$ 650.00	yes				
Corn	140.00	\$ 4.2000	\$ 529.20	s -	\$ 529.20	145.00	\$ 3.6000	\$ 522.00	yes				
		Farm ACRE	Guarantee	*	Actual F	arm Revenu	ie (AFR) *	Farm					
Farm Trigger	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	Trigger Met?					
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					
									15				

# Esa Payments Worksheet

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

Instruction

Data Entry

Triggers

Projected Farm Payments Enter 'Payment Acres' for each eligible crop. For each eligible crop, the payment acres cannot exceed of the planted of the planted

	Max	400.0	Da	ata Er	itry, I	ľ					
ACRE Payments	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	Wo	and orkshe	Paym eets v	ei vil
Wheat	yes	yes	83.3%	100.0	\$ 73.88	83.3		on	the d	efault	t p
Corn	yes	yes	83.3%	400.0	\$ 7.35	333.2					-

ACRE Payments Section: User needs to enter "Payment Acres"

		_										
			Additiona	l acres tha	t may be d	esignated:	400.0	J			\$	-
Payment			D			CDE Dr	ogram					
Comparison	DCP Direct Counter-cyclical Total							Direct (80%) ACRE				
Barley	S	4,798	S	-	\$	4,798	\$	3,838			\$	3,838
Wheat	\$	4,332	\$	-	\$	4,332	\$	3,466	\$	-	\$	3,466
Corn	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
					\$	-					\$	-
									1			-
umonto Co		ricon	Saat					roaro				-
iyments Co	mpa	arison	Secu	ion: I	DCP	75. AC	REP	rogra	m Pa	ymen	is j	-
					3	-					•	-
					\$	-					\$	-
					\$	-					\$	-
	e	0.130	e	-	e	0 1 2 0	e	7 304	e		5	7 304

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gger,

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## FSA

### **Payments Worksheet**

## ACRE Payments SectionEnter acres in the yellow cells.

Projected F Payments	arm	Enter 'Payn	nent Acres' fo crop. For the	or each eligib e farm, the to	le crop. For stal payment	each eligible acres of all e	crop, the pa aligible crops
	Map	c. Farm Eli	gible Acrea	ge for ACF	RE (total ba	ise acres):	400.0
ACRE Payments	1 State Trigger	2 Farm Trigger	3 Payment Acreage %	4 Planted & Con. Planted	5 Est. ACRE per acre	6 Potential Payment Acres	/ Payment Acres
Wheat	yes	yes	83.3%	100.0	\$ 73.88	83.3	
Corn	yes	yes	83.3%	400.0	\$ 7.35	000.2	
Only crop plante prevented acreage display	os with d or plante will be yed.	d	Colum the Est paymo	in 5 pro imated ent per	ovides I ACRE acre.	esignated:	400.0

- 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.

## FSA

### **Payments Worksheet**

### **ACRE Payments Section**

Benchmark Farm Yield divided by Benchmark State Yield

	Max	. Farm Eli	gible Acrea	400.0	Payme	ent = item 7 tim	nes Item 8 time	s (lessor of Item 8 or 9)			
ACRE Payments	1 State Trigger	2 Farm Trigger	3 Payment Acreage %	4 Planted & Con. Planted	5 Est. ACRE per acre	6 Potential Payment 1 Acres	7 Payment Acres	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		lf a	crop do	pes not
Remaining acres cannot exceed the amount in column 6, or the remaining amount at the bottom of column 7.									"trigge not be i and the cannot a	er", payi ssued f payme be des nother (	ments will or the crop nt acreage ignated to crop.



### **Payments Worksheet**

#### Payment Comparison

#### View only, no data entries

Payment		DCP		ACRE Program					
Comparison	Direct	Counter-cyclical	Total	Direct (80%)	ACRE	Total			
Barley	\$ 4,798	\$ -	\$ 4,798	\$ 3,838		\$ 3,838			
Wheat	\$ 4,332	\$ -	\$ 4,332	\$ 3,466	\$ 6,154	\$ 9,620			
Corn	\$-	\$-	\$-	\$-	\$ 2,329	\$ 2,329			
			\$-			\$ -			
			\$-			\$			
			\$-			\$-			
			\$-			\$-			
			\$-			\$ -			
			\$-			\$-			
			\$-			\$-			
	\$ 9,130	ş -	\$ 9,130	\$ 7,304	\$ 8,483	\$ 15,787			

In this example, the ACRE Program would provide more benefits than the DCP <u>for 2009</u>, based on the projected yields and National Average Market Prices