

# Estimating 2009 Costs of Production Soybean, Early Season, Center Pivot, Roundup Ready

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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>FERTILIZERS</b>					
0-18-36	lb	0.52	200.0000	104.80	_____
<b>HERBICIDES</b>					
Glyphosate Plus	pt	4.82	4.0000	19.28	_____
<b>INSECTICIDES</b>					
Orthene 90S	lb	8.50	1.0000	8.50	_____
<b>CROP SEED</b>					
Soybean Seed RR	lbseed	0.98	60.0000	58.80	_____
<b>CUSTOM HIRE</b>					
Cstm Ap Air Fert	acre	7.50	1.0000	7.50	_____
Cstm Ap Grd. Herb	acre	6.00	2.0000	12.00	_____
Cstm Ap Air Insect	acre	7.50	1.0000	7.50	_____
Haul Soybeans	bu	0.22	45.0000	9.90	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	10.91	0.3064	3.35	_____
Harvesters	hour	10.91	0.1021	1.11	_____
<b>IRRIGATION LABOR</b>					
Center pivot Irr.	hour	8.60	0.0568	0.49	_____
<b>HAND LABOR</b>					
Implements	hour	8.60	0.0942	0.81	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.60	3.3665	8.74	_____
Harvesters	gal	2.60	1.4457	3.76	_____
Center pivot Irr.	gal	2.60	14.0000	36.40	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	3.69	1.0000	3.69	_____
Tractors	acre	1.30	1.0000	1.30	_____
Harvesters	acre	2.07	1.0000	2.07	_____
Center pivot Irr.	ac-in	1.49	7.0000	10.43	_____
<b>INTEREST ON OP. CAP.</b>	acre	11.26	1.0000	11.26	_____
<b>TOTAL DIRECT EXPENSES</b>				311.69	_____
<b>FIXED EXPENSES</b>					
Implements	acre	11.54	1.0000	11.54	_____
Tractors	acre	10.16	1.0000	10.16	_____
Harvesters	acre	9.92	1.0000	9.92	_____
Center pivot Irr.	each	9630.98	0.0083	80.26	_____
<b>TOTAL FIXED EXPENSES</b>				111.88	_____
<b>TOTAL SPECIFIED EXPENSES</b>				423.57	_____

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**Table 2. Estimated resource use and costs for field operations, per acre, Early Season, Soybeans, Center Pivot, Roundup Ready, 2009**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	28'	MFWD 225	0.070	1.00	Apr	2.43	2.49	0.65	1.72	0.07	0.77				8.06
Field Cultivate Fld	32'	MFWD 225	0.046	1.00	Apr	1.61	1.65	0.32	1.71	0.04	0.51				5.80
Cstm Ap Air Fert	acre			1.00	Apr							1.0000	7.50	7.50	7.50
0-18-36	lb											200.0000	0.52	104.80	104.80
Field Cultivate Fld	32'	MFWD 225	0.046	1.00	Apr	1.61	1.65	0.32	1.71	0.04	0.51				5.80
Plant - Rigid	12R-20	MFWD 190	0.094	1.00	Apr	2.75	2.70	1.45	3.49	0.18	1.84				12.23
Soybean Seed RR	lbseed											60.0000	0.98	58.80	58.80
Ditcher		MFWD 105	0.020	0.10	Apr	0.03	0.02		0.01	0.00	0.02				0.08
Cstm Ap Grd. Herb	acre			1.00	May							1.0000	6.00	6.00	6.00
Glyphosate Plus	pt											2.0000	4.82	9.64	9.64
Field Cultivate Fld	32'	MFWD 225	0.046	1.00	May	1.61	1.65	0.32	1.71	0.04	0.51				5.80
Cstm Ap Grd. Herb	acre			1.00	Jun							1.0000	6.00	6.00	6.00
Glyphosate Plus	pt											2.0000	4.82	9.64	9.64
Cstm Ap Air Insect	acre			1.00	Jul							1.0000	7.50	7.50	7.50
Orthene 90S	lb											1.0000	8.50	8.50	8.50
Header - Soybean	25' Flex	275hp	0.102	1.00	Aug	5.83	9.92	0.63	1.19	0.10	1.11				18.68
Haul Soybeans	bu			1.00	Aug							45.0000	0.22	9.90	9.90
Center pivot Irr.	each			1.00	Jun							0.0083			80.26
Application 1	ac-in			1.00	May			6.69		0.00	0.07	1.0000			6.76
Application 2	ac-in			1.00	May			6.69		0.00	0.07	1.0000			6.76
Application 3	ac-in			1.00	Jun			6.69		0.00	0.07	1.0000			6.76
Application 4	ac-in			1.00	Jun			6.69		0.00	0.07	1.0000			6.76
Application 5	ac-in			1.00	Jun			6.69		0.00	0.07	1.0000			6.76
Application 6	ac-in			1.00	Jul			6.69		0.00	0.07	1.0000			6.76
Application 7	ac-in			1.00	Jul			6.69		0.00	0.07	1.0000			6.76
TOTALS						15.87	20.08	50.52	91.80	0.55	5.76			228.28	412.31
INTEREST ON OPERATING CAPITAL															11.26
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															423.57

Information presented in this document is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm operation. The mention of any commercial product in this analysis does not imply its endorsement by the University of Arkansas Cooperative Extension Service over other products not named, nor does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

**Table 3. Breakeven Yields (BEY) Required to Cover Direct Expenses Less Hauling and Producer Net Returns above Direct Expenses Less Hauling for Price/Yield Combinations and Select Land Tenure Arrangements, per acre.**

**Soybean, Early Season, Center Pivot Irrigated, Roundup Ready, 2009**

**Farm Owner**

BEY (bu/acre)	Crop Price (\$/bu)						
	5.95	6.80	7.65	8.50	9.35	10.20	11.05
	Net Returns above Variable Costs (\$/acre)						
28	-144	-120	-96	-72	-48	-24	0
31	-130	-104	-78	-52	-26	0	26
33	-114	-85	-57	-28	0	28	57
37	-94	-63	-31	0	31	63	94
41	-70	-35	0	35	70	105	140
46	-39	0	39	79	118	158	197
53	0	45	90	136	181	226	271

Farm Owner is assumed to have 100% Equity in Land

**Tenant 75-25 Cost-Share**

BEY (bu/acre)	Crop Price (\$/bu)						
	5.95	6.80	7.65	8.50	9.35	10.20	11.05
	Net Returns above Variable Costs (\$/acre)						
38	-145	-120	-96	-72	-48	-24	0
41	-131	-105	-78	-52	-26	0	26
45	-114	-86	-57	-29	0	29	57
50	-95	-63	-32	0	32	63	95
55	-70	-35	0	35	70	106	141
62	-40	0	40	80	120	159	199
72	0	46	92	137	183	229	275

Landowner Receives 25% of the Crop.

Tenant pays 100% of Hauling Crop to Grain Elevator

Landowner Pays 100% of Fixed Irrigation Expenses.

**Tenant 90-10 Cost-Share**

BEY (bu/acre)	Crop Price (\$/bu)						
	5.95	6.80	7.65	8.50	9.35	10.20	11.05
	Net Returns above Variable Costs (\$/acre)						
31	-144	-120	-96	-72	-48	-24	0
34	-130	-104	-78	-52	-26	0	26
37	-114	-85	-57	-28	0	28	57
41	-94	-63	-31	0	31	63	94
46	-70	-35	0	35	70	105	140
52	-40	0	40	79	119	158	198
59	0	45	91	136	182	227	273

Landowner Receives 10% of the Crop

Tenant Pays 100% of Hauling Crop to Grain Elevator.

Landowner Pays 100% of Fixed Irrigation Expenses.

**Tenant 80-20 Crop-Share**

BEY (bu/acre)	Crop Price (\$/bu)						
	5.95	6.80	7.65	8.50	9.35	10.20	11.05
	Net Returns above Variable Costs (\$/acre)						
35	-144	-120	-96	-72	-48	-24	0
38	-131	-104	-78	-52	-26	0	26
42	-114	-86	-57	-29	0	29	57
46	-95	-63	-32	0	32	63	95
52	-70	-35	0	35	70	105	141
58	-40	0	40	79	119	159	199
67	0	46	91	137	183	228	274

Landowner Receives 20% of the Crop

Tenant Pays 100% of Hauling Crop to Grain Elevator.

Landowner Pays 100% of Fixed Irrigation Expenses.