

**Estimating 2008 Costs of Production**  
**Soybean, Early Season, Center Pivot, Roundup Ready**

AG-1089-12-07

**C. Robert Stark, Jr., Associate Professor-Agriculture Economics**  
**Jeremy Ross, Extension Agronomist - Soybeans**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
0-18-36	lb	0.17	200.0000	34.60	_____
HERBICIDES					
Glyphosate Plus	pt	1.88	4.0000	7.52	_____
INSECTICIDES					
Orthene 90S	lb	8.59	1.0000	8.59	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.64	60.0000	38.40	_____
CUSTOM HIRE					
Cstm Ap Grd Fert	acre	4.92	1.0000	4.92	_____
Cstm Ap Grd. Herb	acre	5.02	2.0000	10.04	_____
Cstm Ap Air Insect	acre	5.00	1.0000	5.00	_____
Cstm Haul Soybeans	bu	0.15	45.0000	6.75	_____
OPERATOR LABOR					
Tractors	hour	9.45	0.3064	2.89	_____
Harvesters	hour	9.45	0.1021	0.97	_____
IRRIGATION LABOR					
Center pivot Irr.	hour	8.19	0.0568	0.49	_____
HAND LABOR					
Implements	hour	8.19	0.0942	0.77	_____
DIESEL FUEL					
Tractors	gal	2.33	3.3665	7.85	_____
Harvesters	gal	2.33	1.4457	3.37	_____
Center pivot Irr.	gal	2.33	14.0000	32.62	_____
REPAIR & MAINTENANCE					
Implements	acre	3.60	1.0000	3.60	_____
Tractors	acre	1.29	1.0000	1.29	_____
Harvesters	acre	2.03	1.0000	2.03	_____
Center pivot Irr.	ac-in	1.39	7.0000	9.80	_____
INTEREST ON OP. CAP.	acre	6.04	1.0000	6.04	_____
				-----	
TOTAL DIRECT EXPENSES				187.54	_____
FIXED EXPENSES					
Implements	acre	11.19	1.0000	11.19	_____
Tractors	acre	9.77	1.0000	9.77	_____
Harvesters	acre	9.58	1.0000	9.58	_____
Center pivot Irr.	each	8866.29	0.0083	73.89	_____
				-----	
TOTAL FIXED EXPENSES				104.43	_____
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TOTAL SPECIFIED EXPENSES				291.97	_____

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**Table 2. Estimated resource use and costs for field operations, per acre, Early Season, Soybeans, Center Pivot, Roundup Ready, 2008**

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	2.20	2.36	0.59	1.53	0.07	0.66					7.34
Field Cultivate Fld	32'	MFWD 225	0.046	1.00	Apr	1.47	1.57	0.33	1.72	0.04	0.44					5.53
Cstm Ap Grd Fert	acre			1.00	Apr											4.92
0-18-36	lb											200.0000	0.17	34.60		34.60
Field Cultivate Fld	32'	MFWD 225	0.046	1.00	Apr	1.47	1.57	0.33	1.72	0.04	0.44					5.53
Plant - Rigid	12R-20	MFWD 190	0.094	1.00	Apr	2.50	2.68	1.42	3.38	0.18	1.66					11.64
Soybean Seed RR	lb											60.0000	0.64	38.40		38.40
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											5.02
Glyphosate Plus	pt											2.0000	1.88	3.76		3.76
Field Cultivate Fld	32'	MFWD 225	0.046	1.00	May	1.47	1.57	0.33	1.72	0.04	0.44					5.53
Cstm Ap Grd. Herb	acre			1.00	Jun											5.02
Glyphosate Plus	pt											2.0000	1.88	3.76		3.76
Cstm Ap Air Insect	acre			1.00	Jul											5.00
Orthene 90S	lb															8.59
Header - Soybean	25' Flex	275hp	0.102	1.00	Aug	5.40	9.58	0.60	1.11	0.10	0.97					17.66
Cstm Haul Soybeans	bu			1.00	Aug											6.75
Center pivot Irr.	each			1.00	Jun				73.89							73.89
Application 1	ac-in			1.00	May			6.06		0.00	0.07					6.13
Application 2	ac-in			1.00	May			6.06		0.00	0.07					6.13
Application 3	ac-in			1.00	Jun			6.06		0.00	0.07					6.13
Application 4	ac-in			1.00	Jun			6.06		0.00	0.07					6.13
Application 5	ac-in			1.00	Jun			6.06		0.00	0.07					6.13
Application 6	ac-in			1.00	Jul			6.06		0.00	0.07					6.13
Application 7	ac-in			1.00	Jul			6.06		0.00	0.07					6.13
TOTALS						14.54	19.35	46.02	85.08	0.55	5.12				115.82	285.93
INTEREST ON OPERATING CAPITAL																6.04
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																291.97

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 and Net Returns above Direct Expenses for Price/Yield Combinations and Select Land Tenure Arrangements, per acre.**

**Soybean, Early Season, Center Pivot Irrigated, Roundup Ready, 2008**

**Farm Owner**

BEY (bu/acre)	Crop Price (\$/bu)						
	5.70	6.51	7.32	8.13	8.94	9.75	10.56
	Returns above Variable Costs (\$/Acre)						
17	-84	-70	-56	-42	-28	-14	0
19	-76	-61	-46	-31	-15	0	15
21	-67	-50	-33	-17	0	17	33
23	-55	-37	-18	0	18	37	55
25	-41	-20	0	20	41	61	82
28	-23	0	23	46	69	92	115
33	0	26	53	79	106	132	158

Farm Owner is assumed to have 100% Equity in Land

**Tenant 75-25 Crop-Share**

BEY (bu/acre)	Crop Price (\$/bu)						
	5.70	6.51	7.32	8.13	8.94	9.75	10.56
	Returns above Variable Costs (\$/Acre)						
23	-85	-71	-57	-42	-28	-14	0
25	-77	-61	-46	-31	-15	0	15
28	-67	-50	-34	-17	0	17	34
30	-55	-37	-18	0	18	37	55
34	-41	-21	0	21	41	62	82
38	-23	0	23	46	70	93	116
44	0	27	53	80	107	133	160

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 Crop-Share**

BEY (bu/acre)	Crop Price (\$/bu)						
	5.70	6.51	7.32	8.13	8.94	9.75	10.56
	Returns above Variable Costs (\$/Acre)						
19	-85	-70	-56	-42	-28	-14	0
21	-76	-61	-46	-31	-15	0	15
23	-67	-50	-33	-17	0	17	33
25	-55	-37	-18	0	18	37	55
28	-41	-20	0	20	41	61	82
32	-23	0	23	46	69	92	115
36	0	26	53	79	106	132	159

Landowner Receives 10% of the Crop

Tenant Pays 100% of Hauling Crop to Grain Elevator.

**Tenant 80-20 Crop-Share**

BEY (bu/acre)	Crop Price (\$/bu)						
	5.70	6.51	7.32	8.13	8.94	9.75	10.56
	Returns above Variable Costs (\$/Acre)						
22	-85	-70	-56	-42	-28	-14	0
24	-77	-61	-46	-31	-15	0	15
26	-67	-50	-33	-17	0	17	33
28	-55	-37	-18	0	18	37	55
32	-41	-21	0	21	41	62	82
36	-23	0	23	46	69	93	116
41	0	27	53	80	106	133	159

Landowner Receives 20% of the Crop

Tenant Pays 100% of Hauling Crop to Grain Elevator.