

**Estimating 2008 Costs of Production**  
**Soybean, Early Season, Border Irrigation, 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	0.17	200.0000	34.60	_____
<b>HERBICIDES</b>					
Glyphosate Plus	pt	1.88	4.0000	7.52	_____
<b>INSECTICIDES</b>					
Orthene 90S	lb	8.59	1.0000	8.59	_____
<b>IRRIGATION SUPPLIES</b>					
IrrPipe+lay+pickup	acre	10.30	1.0000	10.30	_____
<b>SEED/PLANTS</b>					
Soybean Seed RR	lb	0.64	60.0000	38.40	_____
<b>CUSTOM HIRE</b>					
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	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.45	0.3082	2.91	_____
Harvesters	hour	9.45	0.1021	0.97	_____
<b>IRRIGATION LABOR</b>					
Border Irr,	hour	8.19	0.1810	1.47	_____
<b>HAND LABOR</b>					
Implements	hour	8.19	0.0942	0.77	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.33	3.3821	7.89	_____
Harvesters	gal	2.33	1.4457	3.37	_____
Border Irr,	gal	2.33	9.0000	20.97	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	3.60	1.0000	3.60	_____
Tractors	acre	1.30	1.0000	1.30	_____
Harvesters	acre	2.03	1.0000	2.03	_____
Border Irr,	ac-in	0.17	9.0000	1.59	_____
INTEREST ON OP. CAP.	acre	5.74	1.0000	5.74	_____
<b>TOTAL DIRECT EXPENSES</b>				178.73	_____
<b>FIXED EXPENSES</b>					
Implements	acre	11.20	1.0000	11.20	_____
Tractors	acre	9.82	1.0000	9.82	_____
Harvesters	acre	9.58	1.0000	9.58	_____
Border Irr,	each	2993.11	0.0083	24.94	_____
<b>TOTAL FIXED EXPENSES</b>				55.54	_____
<b>TOTAL SPECIFIED EXPENSES</b>				234.27	_____

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**Table 2. Estimated resource use and costs for field operations, per acre, Early Season, Soybeans, Border Irrigation, 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							1.0000	4.92	4.92	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							1.0000	5.02	5.02	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
IrrPipe+lay+pickup	acre			1.00	Jun							1.0000	10.30	10.30	10.30
Levee Pull (1m/80a)	8 blade	MFWD 170	0.003	0.50	Jun	0.05	0.05		0.01	0.00	0.02				0.13
Cstm Ap Grd. Herb	acre			1.00	Jun							1.0000	5.02	5.02	5.02
Glyphosate Plus	pt											2.0000	1.88	3.76	3.76
Cstm Ap Air Insect	acre			1.00	Jul							1.0000	5.00	5.00	5.00
Orthene 90S	lb											1.0000	8.59	8.59	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							45.0000	0.15	6.75	6.75
Border Irr,	each			1.00	Jun				24.94			0.0083			24.94
Application 1	ac-in			1.00	Jun			7.52		0.06	0.49	3.0000			8.01
Application 2	ac-in			1.00	Jun			7.52		0.06	0.49	3.0000			8.01
Application 3	ac-in			1.00	Jul			7.52		0.06	0.49	3.0000			8.01
TOTALS						14.59	19.40	26.16	36.14	0.68	6.12			126.12	228.53
INTEREST ON OPERATING CAPITAL															5.74
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															234.27

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, Border 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	-80	-67	-54	-40	-27	-13	0
18	-73	-58	-44	-29	-15	0	15
20	-63	-48	-32	-16	0	16	32
22	-52	-35	-17	0	17	35	52
24	-39	-19	0	19	39	58	78
27	-22	0	22	44	66	88	110
31	0	25	50	75	100	125	151

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)						
22	-81	-67	-54	-40	-27	-13	0
24	-73	-58	-44	-29	-15	0	15
26	-64	-48	-32	-16	0	16	32
29	-53	-35	-18	0	18	35	53
32	-39	-20	0	20	39	59	78
36	-22	0	22	44	66	88	110
42	0	25	51	76	101	127	152

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)						
18	-80	-67	-54	-40	-27	-13	0
20	-73	-58	-44	-29	-15	0	15
22	-64	-48	-32	-16	0	16	32
24	-52	-35	-17	0	17	35	52
27	-39	-19	0	19	39	58	78
30	-22	0	22	44	66	88	110
35	0	25	50	76	101	126	151

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)						
21	-81	-67	-54	-40	-27	-13	0
22	-73	-58	-44	-29	-15	0	15
25	-64	-48	-32	-16	0	16	32
27	-53	-35	-18	0	18	35	53
30	-39	-20	0	20	39	59	78
34	-22	0	22	44	66	88	110
39	0	25	51	76	101	126	152

Landowner Receives 20% of the Crop

Tenant Pays 100% of Hauling Crop to Grain Elevator.