

**Estimating 2009 Costs of Production**  
**Soybean, Full Season, Border Irrigation, Roundup Ready**

AG-1231-11-08

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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZERS					
0-18-36	lb	0.52	200.0000	104.80	_____
FUNGICIDES					
Folicur	oz	2.00	4.0000	8.00	_____
HERBICIDES					
Glyphosate Plus	pt	4.82	6.0000	28.92	_____
INSECTICIDES					
Orthene 90S	lb	8.50	1.0000	8.50	_____
IRRIGATION SUPPLIES					
Irrppip+lay+pickup	acre	13.50	1.0000	13.50	_____
CROP SEED					
Soybean Seed RR	lbseed	0.98	45.0000	44.10	_____
CUSTOM HIRE					
Cstm Ap Air Fert	acre	7.50	1.0000	7.50	_____
Cstm Ap Grd. Herb	acre	6.00	3.0000	18.00	_____
Cstm Ap Air Fung	acre	7.50	1.0000	7.50	_____
Cstm Ap Air Insect	acre	7.50	1.0000	7.50	_____
Haul Soybeans	bu	0.22	45.0000	9.90	_____
OPERATOR LABOR					
Tractors	hour	10.91	0.2853	3.11	_____
Harvesters	hour	10.91	0.1021	1.11	_____
IRRIGATION LABOR					
Border Irr,	hour	8.60	0.2413	2.08	_____
HAND LABOR					
Implements	hour	8.60	0.0942	0.81	_____
DIESEL FUEL					
Tractors	gal	2.60	3.0193	7.85	_____
Harvesters	gal	2.60	1.4457	3.76	_____
Border Irr,	gal	2.60	12.0000	31.20	_____
REPAIR & MAINTENANCE					
Implements	acre	3.20	1.0000	3.20	_____
Tractors	acre	1.20	1.0000	1.20	_____
Harvesters	acre	2.07	1.0000	2.07	_____
Border Irr,	ac-in	0.18	12.0000	2.24	_____
INTEREST ON OP. CAP.	acre	14.84	1.0000	14.84	_____
TOTAL DIRECT EXPENSES				331.69	_____
FIXED EXPENSES					
Implements	acre	8.64	1.0000	8.64	_____
Tractors	acre	9.37	1.0000	9.37	_____
Harvesters	acre	9.92	1.0000	9.92	_____
Border Irr,	each	3251.23	0.0083	27.09	_____
TOTAL FIXED EXPENSES				55.02	_____
TOTAL SPECIFIED EXPENSES				386.71	_____

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**Table 2. Estimated resource use and costs for field operations, per acre, Full Season, Soybeans, Border Irrigation, 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	2.00	Apr	4.86	4.97	1.30	3.43	0.14	1.53				16.09
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
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
Plant - Rigid	8R-30	MFWD 170	0.094	1.00	May	2.49	2.66	0.95	2.28	0.18	1.84				10.22
Soybean Seed RR	lbseed											45.0000	0.98	44.10	44.10
Ditcher		MFWD 105	0.020	0.10	May	0.03	0.03		0.01	0.00	0.02				0.09
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
Irrppip+lay+pickup	acre			1.00	Jun							1.0000	13.50	13.50	13.50
Cstm Ap Air Fung	acre			1.00	Jun							1.0000	7.50	7.50	7.50
Folicur	oz											4.0000	2.00	8.00	8.00
Levee Pull (1m/80a)	8 blade	MFWD 170	0.004	0.50	Jul	0.06	0.06		0.02	0.00	0.02				0.16
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
Cstm Ap Grd. Herb	acre			1.00	Aug							1.0000	6.00	6.00	6.00
Glyphosate Plus	pt											2.0000	4.82	9.64	9.64
Header - Soybean	25' Flex	275hp	0.102	1.00	Oct	5.83	9.92	0.63	1.19	0.10	1.11				18.68
Haul Soybeans	bu			1.00	Oct							45.0000	0.22	9.90	9.90
Border Irr,	each			1.00	Jun							0.0083			27.09
Application 1	ac-in			1.00	Jul			8.36		0.06	0.52	3.0000			8.88
Application 2	ac-in			1.00	Jul			8.36		0.06	0.52	3.0000			8.88
Application 3	ac-in			1.00	Aug			8.36		0.06	0.52	3.0000			8.88
Application 4	ac-in			1.00	Aug			8.36		0.06	0.52	3.0000			8.88
TOTALS						14.88	19.29	36.64	35.73	0.72	7.11			258.22	371.87
INTEREST ON OPERATING CAPITAL															14.84
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															386.71

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, Full Season, Border Irrigation, 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)						
30	-152	-126	-101	-76	-51	-25	0
32	-137	-110	-82	-55	-27	0	27
35	-120	-90	-60	-30	0	30	60
39	-99	-66	-33	0	33	66	99
43	-74	-37	0	37	74	110	147
49	-42	0	42	83	125	166	208
56	0	48	95	143	191	239	286

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)						
40	-153	-127	-102	-76	-51	-25	0
43	-138	-110	-83	-55	-28	0	28
47	-121	-91	-60	-30	0	30	60
52	-100	-67	-33	0	33	67	100
58	-74	-37	0	37	74	112	149
66	-42	0	42	84	126	168	210
76	0	48	97	145	193	242	290

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)						
33	-152	-127	-101	-76	-51	-25	0
36	-137	-110	-82	-55	-27	0	27
39	-120	-90	-60	-30	0	30	60
43	-99	-66	-33	0	33	66	99
48	-74	-37	0	37	74	111	148
55	-42	0	42	83	125	167	209
63	0	48	96	144	192	240	288

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)						
37	-152	-127	-102	-76	-51	-25	0
41	-138	-110	-83	-55	-28	0	28
44	-121	-90	-60	-30	0	30	60
49	-100	-67	-33	0	33	67	100
55	-74	-37	0	37	74	111	148
62	-42	0	42	84	126	168	210
71	0	48	96	145	193	241	289

Landowner Receives 20% of the Crop

Tenant Pays 100% of Hauling Crop to Grain Elevator.

Landowner Pays 100% of Fixed Irrigation Expenses.