

Estimating 2009 Costs of Production
Soybean, Full Season, Non-Irrigated, Roundup Ready

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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	_____
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	25.0000	5.50	_____
OPERATOR LABOR					
Tractors	hour	10.91	0.2832	3.09	_____
Harvesters	hour	10.91	0.1021	1.11	_____
HAND LABOR					
Implements	hour	8.60	0.0942	0.81	_____
DIESEL FUEL					
Tractors	gal	2.60	3.0011	7.80	_____
Harvesters	gal	2.60	1.4457	3.76	_____
REPAIR & MAINTENANCE					
Implements	acre	3.20	1.0000	3.20	_____
Tractors	acre	1.19	1.0000	1.19	_____
Harvesters	acre	2.07	1.0000	2.07	_____
INTEREST ON OP. CAP.	acre	12.21	1.0000	12.21	_____
TOTAL DIRECT EXPENSES				275.56	_____
FIXED EXPENSES					
Implements	acre	8.62	1.0000	8.62	_____
Tractors	acre	9.31	1.0000	9.31	_____
Harvesters	acre	9.92	1.0000	9.92	_____
TOTAL FIXED EXPENSES				27.85	_____
TOTAL SPECIFIED EXPENSES				303.41	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Full Season, Soybeans, Non-Irrigated, 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	May							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
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
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							25.0000	0.22	5.50	5.50
TOTALS						14.82	19.23	3.20	8.62	0.47	5.01			240.32	291.20
INTEREST ON OPERATING CAPITAL															12.21
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															303.41

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, Non-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)						
25	-127	-106	-85	-64	-42	-21	0
27	-115	-92	-69	-46	-23	0	23
30	-101	-75	-50	-25	0	25	50
33	-83	-55	-28	0	28	55	83
36	-62	-31	0	31	62	93	124
41	-35	0	35	70	105	140	174
47	0	40	80	120	160	200	240

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)						
33	-128	-107	-85	-64	-43	-21	0
36	-116	-93	-70	-46	-23	0	23
40	-101	-76	-51	-25	0	25	51
44	-84	-56	-28	0	28	56	84
49	-62	-31	0	31	62	94	125
55	-35	0	35	71	106	141	176
64	0	41	81	122	162	203	243

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)						
28	-127	-106	-85	-64	-42	-21	0
30	-115	-92	-69	-46	-23	0	23
33	-101	-76	-50	-25	0	25	50
36	-83	-56	-28	0	28	56	83
41	-62	-31	0	31	62	93	124
46	-35	0	35	70	105	140	175
53	0	40	80	121	161	201	241

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)						
31	-128	-107	-85	-64	-43	-21	0
34	-116	-93	-69	-46	-23	0	23
37	-101	-76	-51	-25	0	25	51
41	-84	-56	-28	0	28	56	84
46	-62	-31	0	31	62	93	125
52	-35	0	35	70	106	141	176
59	0	40	81	121	162	202	243

Landowner Receives 20% of the Crop

Tenant Pays 100% of Hauling Crop to Grain Elevator.

Landowner Pays 100% of Fixed Irrigation Expenses.