

Estimating 2007 Costs of Production
Corn, RR, Furrow Irrigated, Clay Soils
 AG-991-12-06
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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
GIN/DRY					
Dry Corn	bu	0.19	150.0000	28.50	_____
FERTILIZERS					
0-75-75	acre	36.00	1.0000	36.00	_____
Urea, Solid (46% N)	lb	0.13	202.0000	26.26	_____
Liquid Nitrogen 32%	lb	0.10	584.0000	58.40	_____
HERBICIDES					
Roundup Ultra Max	pt	5.97	2.0000	11.94	_____
Atrazine 4L	pt	1.25	4.0000	5.00	_____
IRRIGATION SUPPLIES					
IrrPipe+lray+pickup	acre	10.30	1.0000	10.30	_____
CROP SEED					
Corn Seed RR	thous	2.04	33.0000	67.32	_____
Insectide treated CG	thous	0.25	33.0000	8.25	_____
CUSTOM HIRE					
Cstm Ap Grd Fert	acre	5.00	1.0000	5.00	_____
Cstm Ap Grd. Herb	acre	6.00	2.0000	12.00	_____
Cstm Haul Corn	bu	0.15	150.0000	22.50	_____
OPERATOR LABOR					
Tractors	hour	9.00	0.6327	5.69	_____
Harvesters	hour	9.00	0.1277	1.15	_____
IRRIGATION LABOR					
Furrow Irr.	hour	7.80	0.3017	2.36	_____
HAND LABOR					
Implements	hour	7.80	0.1433	1.12	_____
DIESEL FUEL					
Tractors	gal	2.22	6.0670	13.47	_____
Harvesters	gal	2.22	1.5772	3.50	_____
Furrow Irr.	gal	2.22	12.0000	26.64	_____
REPAIR & MAINTENANCE					
Implements	acre	5.35	1.0000	5.35	_____
Tractors	acre	2.40	1.0000	2.40	_____
Harvesters	acre	2.19	1.0000	2.19	_____
Furrow Irr.	ac-in	0.29	12.0000	3.52	_____
INTEREST ON OP. CAP.	acre	11.79	1.0000	11.79	_____

TOTAL DIRECT EXPENSES				370.65	_____
FIXED EXPENSES					
Implements	acre	12.79	1.0000	12.79	_____
Tractors	acre	18.50	1.0000	18.50	_____
Harvesters	acre	10.51	1.0000	10.51	_____
Furrow Irr.	each	3038.56	0.0083	25.32	_____
TOTAL FIXED EXPENSES				67.12	_____
TOTAL SPECIFIED EXPENSES				437.77	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Corn, RR, Furrow Irrigated, Clay Soils
Arkansas, 2007, University of Arkansas**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	28'	MFWD 225	0.070	1.00	Nov	2.08	2.17	0.57	1.51	0.07	0.63				6.96
Chisel Plow(Folding)	24'	MFWD 190	0.076	1.00	Nov	1.95	2.23	0.61	1.36	0.07	0.69				6.84
Cstm Ap Grd Fert	acre			1.00	Mar							1.0000	5.00	5.00	5.00
0-75-75	acre											1.0000	36.00	36.00	36.00
Urea, Solid (46% N)	lb											217.0000	0.13	28.21	28.21
Field Cultivate	32'	MFWD 225	0.046	1.00	Mar	1.39	1.44	0.31	1.64	0.04	0.42				5.20
Disk Bed (Hipper)	8R-30	MFWD 190	0.093	1.00	Mar	2.39	2.73	0.29	0.94	0.09	0.84				7.19
Row Cond (Harrow)	26'	MFWD 190	0.057	1.00	Apr	1.47	1.67	0.14	0.72	0.05	0.52				4.52
Plant - Rigid	8R-30	MFWD 170	0.094	1.00	Apr	2.17	2.61	0.79	1.91	0.18	1.59				9.07
Corn Seed RR	thous											33.0000	2.04	67.32	67.32
Insectide treated	CG thous											33.0000	0.25	8.25	8.25
Cstm Ap Grd. Herb	acre			1.00	May							1.0000	6.00	6.00	6.00
Roundup Ultra Max	pt											1.0000	5.97	5.97	5.97
Atrazine 4L	pt											2.0000	1.25	2.50	2.50
Fert Appl (Liquid)	8R-30	MFWD 190	0.098	1.00	May	2.50	2.86	0.88	1.23	0.14	1.26				8.73
Liquid Nitrogen 32%	lb											375.0000	0.10	37.50	37.50
Cstm Ap Grd. Herb	acre			1.00	Jun							1.0000	6.00	6.00	6.00
Roundup Ultra Max	pt											1.0000	5.97	5.97	5.97
Atrazine 4L	pt											2.0000	1.25	2.50	2.50
IrrPipe+lay+pickup	acre			1.00	Jun							1.0000	10.30	10.30	10.30
Harvest				1.00	Sep										
Header - Corn	8R-30	240hp	0.127			5.69	10.51	1.25	2.34	0.12	1.15				20.94
Cstm Haul Corn	bu											175.0000	0.15	26.25	26.25
Dry Corn	bu											175.0000	0.19	33.25	33.25
Harvest				0.75	Sep										
Corn Grain Cart	8R30 700 bu	MFWD 190	0.127			1.92	2.79	0.51	1.14	0.09	0.86				7.22
Furrow Irr.	each			1.00	Jun							0.0083			25.32
Application 1	ac-in							7.54		0.07	0.59	3.0000			8.13
Application 2	ac-in							7.54		0.07	0.59	3.0000			8.13
Application 3	ac-in							7.54		0.07	0.59	3.0000			8.13
Application 4	ac-in							7.54		0.07	0.59	3.0000			8.13
TOTALS						21.56	29.01	35.51	38.11	1.20	10.32			281.02	415.53
INTEREST ON OPERATING CAPITAL															11.23
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															426.76

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.