

**Estimating 2007 Costs of Production**  
**Corn, Conventional, Center Pivot Irrigated, Loamy Soils**  
 AG-986-12-06  
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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
GIN/DRY					
Dry Corn	bu	0.19	175.0000	33.25	_____
FERTILIZERS					
0-75-75	acre	36.00	1.0000	36.00	_____
Urea, Solid (46% N)	lb	0.13	217.0000	28.21	_____
Liquid Nitrogen 32%	lb	0.10	375.0000	37.50	_____
HERBICIDES					
Steadfast ATZ	oz	1.31	14.0000	18.34	_____
Atrazine 4L	pt	1.25	2.0000	2.50	_____
CROP SEED					
Corn Seed-Convention	thous	1.51	33.0000	49.83	_____
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	1.0000	6.00	_____
Cstm Haul Corn	bu	0.15	175.0000	26.25	_____
OPERATOR LABOR					
Tractors	hour	9.00	0.6327	5.69	_____
Harvesters	hour	9.00	0.1277	1.15	_____
IRRIGATION LABOR					
Center pivot Irr.	hour	7.80	0.0974	0.75	_____
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	_____
Center pivot Irr.	gal	2.22	24.0000	53.28	_____
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	_____
Center pivot Irr.	ac-in	1.09	12.0000	13.14	_____
INTEREST ON OP. CAP.	acre	11.22	1.0000	11.22	_____
TOTAL DIRECT EXPENSES				364.39	_____
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	_____
Center pivot Irr.	each	9000.94	0.0076	69.24	_____
TOTAL FIXED EXPENSES				111.04	_____
TOTAL SPECIFIED EXPENSES				475.43	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Corn, Conventional, Center Pivot Irrigated, Loamy Soils Arkansas, 2007, University of Arkansas**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			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-Convention	thous											33.0000	1.51	49.83	49.83
Insectide treated	CG											33.0000	0.25	8.25	8.25
Cstm Ap Grd. Herb	acre			1.00	Apr							1.0000	6.00	6.00	6.00
Steadfast ATZ	oz											14.0000	1.31	18.34	18.34
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
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
Center pivot Irr.	each			1.00	Jun				69.24			0.0076			69.24
Irrigation June	ac-in							22.14		0.03	0.25	4.0000			22.39
Irrigation July	ac-in							22.14		0.03	0.25	4.0000			22.39
Irrigation August	ac-in							22.14		0.03	0.25	4.0000			22.39
TOTALS						21.56	29.01	71.77	82.03	1.00	8.71			251.13	464.21
INTEREST ON OPERATING CAPITAL															11.22
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															475.43

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