

Estimating 2008 Costs of Production
Corn, Conventional, Center Pivot Irrigated, Loamy Soils
 AG-1067-11-07
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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	55.18	1.0000	55.18	_____
Urea, Solid (46% N)	lb	0.20	217.0000	43.40	_____
Liquid Nitrogen 32%	lb	0.15	375.0000	56.25	_____
HERBICIDES					
Steadfast ATZ	oz	1.33	14.0000	18.62	_____
Atrazine 4L	pt	1.38	2.0000	2.76	_____
CROP SEED					
Corn Seed-Convention	thous	1.26	33.0000	41.58	_____
Insectide treated CG	thous	0.20	33.0000	6.60	_____
CUSTOM HIRE					
Cstm Ap Grd Fert	acre	4.92	1.0000	4.92	_____
Cstm Ap Grd. Herb	acre	5.02	1.0000	5.02	_____
Cstm Haul Corn	bu	0.15	175.0000	26.25	_____
OPERATOR LABOR					
Tractors	hour	9.45	0.5608	5.30	_____
Harvesters	hour	9.45	0.1277	1.21	_____
IRRIGATION LABOR					
Center pivot Irr.	hour	8.19	0.0974	0.81	_____
HAND LABOR					
Implements	hour	8.19	0.1433	1.17	_____
DIESEL FUEL					
Tractors	gal	2.33	5.5987	13.05	_____
Harvesters	gal	2.33	1.5772	3.67	_____
Center pivot Irr.	gal	2.33	24.0000	55.92	_____
REPAIR & MAINTENANCE					
Implements	acre	5.24	1.0000	5.24	_____
Tractors	acre	2.16	1.0000	2.16	_____
Harvesters	acre	2.15	1.0000	2.15	_____
Center pivot Irr.	ac-in	1.39	12.0000	16.77	_____
INTEREST ON OP. CAP.	acre	13.27	1.0000	13.27	_____
TOTAL DIRECT EXPENSES				414.55	_____
FIXED EXPENSES					
Implements	acre	12.37	1.0000	12.37	_____
Tractors	acre	16.43	1.0000	16.43	_____
Harvesters	acre	10.16	1.0000	10.16	_____
Center pivot Irr.	each	8866.29	0.0076	68.20	_____
TOTAL FIXED EXPENSES				107.16	_____
TOTAL SPECIFIED EXPENSES				521.71	_____

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Table 2. Estimated resource use and costs for field operations, per acre Corn, Conventional, Center Pivot Irrigated, Loamy Soils Arkansas, 2008, University of Arkansas

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	Nov	2.20	2.36	0.59	1.53	0.07	0.66				7.34
Chisel Plow(Folding)	24'	MFWD 190	0.076	1.00	Nov	2.03	2.18	0.66	1.44	0.07	0.72				7.03
Cstm Ap Grd Fert	acre			1.00	Mar							1.0000	4.92	4.92	4.92
0-75-75	acre											1.0000	55.18	55.18	55.18
Urea, Solid (46% N)lb												217.0000	0.20	43.40	43.40
Field Cultivate Fld	32'	MFWD 225	0.046	1.00	Mar	1.47	1.57	0.33	1.72	0.04	0.44				5.53
Disk Bed (Hipper)	8R-30	MFWD 190	0.093	1.00	Mar	2.49	2.67	0.28	0.92	0.09	0.89				7.25
Row Cond (Harrow)Rdg	26'	MFWD 190	0.057	1.00	Apr	1.52	1.63	0.14	0.71	0.05	0.54				4.54
Plant - Rigid	8R-30	MFWD 170	0.094	1.00	Apr	2.25	2.55	0.91	2.16	0.18	1.66				9.53
Corn Seed-Convention	thous											33.0000	1.26	41.58	41.58
Insectide treated	CG thous											33.0000	0.20	6.60	6.60
Cstm Ap Grd. Herb	acre			1.00	Apr							1.0000	5.02	5.02	5.02
Steadfast ATZ	oz											14.0000	1.33	18.62	18.62
Atrazine 4L	pt											2.0000	1.38	2.76	2.76
Fert Appl (Liquid)	8R-30	MFWD 190	0.098	1.00	May	2.61	2.79	0.93	1.29	0.14	1.33				8.95
Liquid Nitrogen 32% lb												375.0000	0.15	56.25	56.25
Harvest				1.00	Sep										
Header - Corn	8R-30	240hp	0.127			5.82	10.16	1.30	2.39	0.12	1.21				20.88
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 500 bu	MFWD 190	0.031			0.64	0.68	0.10	0.21	0.02	0.23				1.86
Center pivot Irr.	each			1.00	Jun				68.20			0.0076			68.20
Irrigation June	ac-in							24.23		0.03	0.27	4.0000			24.50
Irrigation July	ac-in							24.23		0.03	0.27	4.0000			24.50
Irrigation August	ac-in							24.23		0.03	0.27	4.0000			24.50
TOTALS						21.03	26.59	77.93	80.57	0.92	8.49			293.83	508.44
INTEREST ON OPERATING CAPITAL															13.27
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															521.71

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