

Estimating 2008 Costs of Production
Corn, Conventional, Flood Irrigated, Loamy Soils

AG-1068-11-07

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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	_____
Survey Levees-CnSbGs	acre	3.00	1.0000	3.00	_____
Cstm Haul Corn	bu	0.15	175.0000	26.25	_____
OPERATOR LABOR					
Tractors	hour	9.45	0.5948	5.63	_____
Harvesters	hour	9.45	0.1277	1.21	_____
IRRIGATION LABOR					
Flood Irr. - Crn-Sor	hour	8.19	0.1086	0.90	_____
HAND LABOR					
Implements	hour	8.19	0.1433	1.17	_____
DIESEL FUEL					
Tractors	gal	2.33	5.8827	13.71	_____
Harvesters	gal	2.33	1.5772	3.67	_____
Flood Irr. - Crn-Sor	gal	2.33	12.0000	27.96	_____
REPAIR & MAINTENANCE					
Implements	acre	5.27	1.0000	5.27	_____
Tractors	acre	2.28	1.0000	2.28	_____
Harvesters	acre	2.15	1.0000	2.15	_____
Flood Irr. - Crn-Sor	ac-in	0.30	12.0000	3.60	_____
INTEREST ON OP. CAP.	acre	12.33	1.0000	12.33	_____
TOTAL DIRECT EXPENSES				376.71	_____
FIXED EXPENSES					
Implements	acre	12.61	1.0000	12.61	_____
Tractors	acre	17.30	1.0000	17.30	_____
Harvesters	acre	10.16	1.0000	10.16	_____
Flood Irr. - Crn-Sor	each	2993.11	0.0083	24.94	_____
TOTAL FIXED EXPENSES				65.01	_____
TOTAL SPECIFIED EXPENSES				441.72	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Corn, Conventional, Flood 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	May							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
Survey Levees-CnSbGs	acre			1.00	Jun							1.0000	3.00	3.00	3.00
Build Inside Levees				2.00	Jun										
Levee Pull (1m/80a)	8 blade	MFWD 170	0.003			0.18	0.19	0.01	0.05	0.00	0.07				0.50
Blade-Scraper	8'-10'	MFWD 105		1.00	Jun										
Tear Down Levees				1.00	Jun										
Levee Splitter (1/80	8 blade	MFWD 150	0.004			0.08	0.10		0.03	0.00	0.04				0.25
Build Inside Levees				2.00	Jul										
Levee Pull (1m/80a)	8 blade	MFWD 170	0.003			0.18	0.19	0.01	0.05	0.00	0.07				0.50
Blade-Scraper	8'-10'	MFWD 105		1.00	Jul										
Tear Down Levees				1.00	Jul										
Levee Splitter (1/80	8 blade	MFWD 150	0.004			0.08	0.10		0.03	0.00	0.04				0.25
Build Inside Levees				2.00	Aug										
Levee Pull (1m/80a)	8 blade	MFWD 170	0.003			0.18	0.19	0.01	0.05	0.00	0.07				0.50
Blade-Scraper	8'-10'	MFWD 105		1.00	Aug										
Tear Down Levees				1.00	Aug										
Levee Splitter (1/80	8 blade	MFWD 150	0.004			0.08	0.10		0.03	0.00	0.04				0.25
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
Flood Irr. - Crn-Sor	each			1.00	Jun				24.94			0.0083			24.94
Application 1	ac-in							10.52		0.03	0.30	4.0000			10.82
Application 2	ac-in							10.52		0.03	0.30	4.0000			10.82
Application 3	ac-in							10.52		0.03	0.30	4.0000			10.82
TOTALS						21.81	27.46	36.83	37.55	0.97	8.91			296.83	429.39
INTEREST ON OPERATING CAPITAL															12.33
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															441.72

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