

**Estimating 2007 Costs of Production**  
**Corn, Bt, Furrow Irrigated, Loamy Soils**  
 AG-989-12-06  
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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
<b>DIRECT EXPENSES</b>					
<b>GIN/DRY</b>					
Dry Corn	bu	0.19	175.0000	33.25	_____
<b>FERTILIZERS</b>					
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	_____
<b>HERBICIDES</b>					
Steadfast ATZ	oz	1.31	14.0000	18.34	_____
Atrazine 4L	pt	1.25	2.0000	2.50	_____
<b>IRRIGATION SUPPLIES</b>					
IrrPipe+lray+pickup	acre	10.30	1.0000	10.30	_____
<b>CROP SEED</b>					
Corn Seed Bt	thous	1.76	33.0000	58.08	_____
Insectide treated CG	thous	0.25	33.0000	8.25	_____
<b>CUSTOM HIRE</b>					
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	_____
<b>OPERATOR LABOR</b>					
Tractors	hour	9.00	0.7358	6.62	_____
Harvesters	hour	9.00	0.1277	1.15	_____
<b>IRRIGATION LABOR</b>					
Furrow Irr.	hour	7.80	0.3017	2.36	_____
<b>HAND LABOR</b>					
Implements	hour	7.80	0.1433	1.12	_____
<b>DIESEL FUEL</b>					
Tractors	gal	2.22	7.0756	15.71	_____
Harvesters	gal	2.22	1.5772	3.50	_____
Furrow Irr.	gal	2.22	12.0000	26.64	_____
<b>REPAIR &amp; MAINTENANCE</b>					
Implements	acre	5.77	1.0000	5.77	_____
Tractors	acre	2.79	1.0000	2.79	_____
Harvesters	acre	2.19	1.0000	2.19	_____
Furrow Irr.	ac-in	0.29	12.0000	3.52	_____
INTEREST ON OP. CAP.	acre	11.02	1.0000	11.02	_____
				-----	
<b>TOTAL DIRECT EXPENSES</b>				352.07	_____
<b>FIXED EXPENSES</b>					
Implements	acre	14.18	1.0000	14.18	_____
Tractors	acre	21.51	1.0000	21.51	_____
Harvesters	acre	10.51	1.0000	10.51	_____
Furrow Irr.	each	3038.56	0.0083	25.32	_____
<b>TOTAL FIXED EXPENSES</b>				71.52	_____
<b>TOTAL SPECIFIED EXPENSES</b>				423.59	_____

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**Table 2. Estimated resource use and costs for field operations, per acre Corn, Bt, Furrow Irrigated, Loamy 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 Bt	thous											33.0000	1.76	58.08	58.08
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
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
Cultivate	8R-30	MFWD 190	0.103	1.00	May	2.63	3.01	0.42	1.39	0.10	0.93				8.38
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				25.32			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						24.19	32.02	35.93	39.50	1.30	11.25			269.68	412.57
INTEREST ON OPERATING CAPITAL															11.02
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															423.59

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