

Estimating 2008 Costs of Production
Corn, Bt, Furrow Irrigated, Loamy Soils
 AG-1070-11-07
Pam Guiling, Agricultural Economics Associate
Scott Stiles, Instructor/Extension Economist
Jason Kelley, Extension Agronomist – Wheat and Feed Grains

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	_____
IRRIGATION SUPPLIES					
IrrPipe+lay+pickup	acre	10.30	1.0000	10.30	_____
CROP SEED					
Corn Seed Bt	thous	1.92	33.0000	63.36	_____
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	0.6640	6.27	_____
Harvesters	hour	9.45	0.1277	1.21	_____
IRRIGATION LABOR					
Furrow Irr.	hour	8.19	0.3017	2.48	_____
HAND LABOR					
Implements	hour	8.19	0.1433	1.17	_____
DIESEL FUEL					
Tractors	gal	2.33	6.6072	15.40	_____
Harvesters	gal	2.33	1.5772	3.67	_____
Furrow Irr.	gal	2.33	12.0000	27.96	_____
REPAIR & MAINTENANCE					
Implements	acre	5.67	1.0000	5.67	_____
Tractors	acre	2.54	1.0000	2.54	_____
Harvesters	acre	2.15	1.0000	2.15	_____
Furrow Irr.	ac-in	0.17	12.0000	2.12	_____
INTEREST ON OP. CAP.	acre	13.48	1.0000	13.48	_____
TOTAL DIRECT EXPENSES				410.03	_____
FIXED EXPENSES					
Implements	acre	13.77	1.0000	13.77	_____
Tractors	acre	19.36	1.0000	19.36	_____
Harvesters	acre	10.16	1.0000	10.16	_____
Furrow Irr.	each	2993.11	0.0083	24.94	_____
TOTAL FIXED EXPENSES				68.23	_____
TOTAL SPECIFIED EXPENSES				478.26	_____

Visit our web site at: <http://www.uaex.edu>

View or print all of the Arkansas crop budgets at http://www.uaex.edu/depts/ag_economics/crop_budgets.htm

University of Arkansas, United States Department of Agriculture and County Governments Cooperating.

The Arkansas Cooperative Extension Service offers its programs to all eligible persons regardless of race, color, national origin, religion, gender, age, disability, marital or veteran status, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer.

**Table 2. Estimated resource use and costs for field operations, per acre Corn, Bt, Furrow 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 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	2.20	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 Bt	thous											33.0000	1.92	63.36		63.36
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
Cultivate	8R-30	MFWD 190	0.103	1.00	May	2.73	2.93	0.43	1.40	0.10	0.97					8.46
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			5.82	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
Furrow Irr.	each			1.00	Jun							0.0083				24.94
Application 1	ac-in							7.52		0.07	0.62	3.0000				8.14
Application 2	ac-in							7.52		0.07	0.62	3.0000				8.14
Application 3	ac-in							7.52		0.07	0.62	3.0000				8.14
Application 4	ac-in							7.52		0.07	0.62	3.0000				8.14
TOTALS						23.76	29.52	35.75	38.71	1.23	11.13				325.91	464.78
INTEREST ON OPERATING CAPITAL																13.48
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																478.26

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.

AG-1070-11-07