

Estimating 2001 Costs of Production

Corn, Flood Irrigated, Loamy Soils, 2001

AG-602-02-01

Tony E. Windham, Extension Economist - Management

Jennifer Lafferty, Extension Associate

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Corn-conventional	ths	1.23	30.0000	36.90	-----
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	-----
Cstm laser survey	acre	2.50	1.0000	2.50	-----
Cstm ap grd herbicid	acre	4.00	1.0000	4.00	-----
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	-----
Custom haul	bushel	0.15	150.0000	22.50	-----
Custom dry corn	bushel	0.17	150.0000	25.50	-----
FERTILIZER & LIME					
9-23-30	lb	0.11	350.0000	38.50	-----
Liquid Nitrogen 32%	lb	0.05	550.0000	27.50	-----
HERBICIDES					
Atrazine	pint	1.25	4.0000	5.00	-----
Dual II	pt	8.43	2.0000	16.86	-----
INSECTICIDES					
Force 1.5G	lb	1.97	8.7000	17.13	-----
OPERATOR LABOR					
Implements	hour	6.39	0.3040	1.94	-----
Tractors	hour	6.39	0.9039	5.77	-----
Self-Propelled Eq.	hour	6.39	0.2832	1.80	-----
IRRIGATION LABOR					
Flood irrig	hour	6.39	0.1000	0.63	-----
DIESEL FUEL					
Tractors	gal	1.09	9.6312	10.49	-----
Self-Propelled Eq.	gal	1.09	3.4630	3.77	-----
Flood irrig	gal	1.09	10.0000	10.90	-----
REPAIR & MAINTENANCE					
Implements	acre	3.39	1.0000	3.39	-----
Tractors	acre	7.11	1.0000	7.11	-----
Self-Propelled Eq.	acre	6.24	1.0000	6.24	-----
Flood irrig	acre	2.15	1.0000	2.15	-----
INTEREST ON OP. CAP.	acre	9.18	1.0000	9.18	-----
TOTAL DIRECT EXPENSES				267.82	-----
FIXED EXPENSES					
Implements	acre	7.02	1.0000	7.02	-----
Tractors	acre	15.46	1.0000	15.46	-----
Self-Propelled Eq.	acre	19.26	1.0000	19.26	-----
Flood irrig	acre	16.33	1.0000	16.33	-----
TOTAL FIXED EXPENSES				58.09	-----
TOTAL SPECIFIED EXPENSES				325.91	-----

Visit our web site at: <http://www.aragriculture.org>

University of Arkansas, United States Department of Agriculture and County Governments cooperating
The Arkansas Cooperative Extension Service offers its programs to all eligible person regardless

of race, color, national origin, religion, gender, age, or disability, marital or veteran s status, or any other legally protected status, and is an Equal Opportunity Employer.

**Table 2. Estimated resource use and costs for field operations, per acre
Corn, Flood Irrigated, Loamy Soils, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Nov	1.63	1.55	0.44	1.03	0.106	0.68					5.35
Chisel plow	21'	MFWD190	0.092	1.00	Feb	1.83	1.74	0.17	0.33	0.119	0.76					4.85
Cstm ap grd fert dry acre				1.00	Mar							1.0000	4.00	4.00		4.00
9-23-30 lb												350.0000	0.11	38.50		38.50
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68					5.35
Disk bedder, 8r@30"	20'	MFWD190	0.088	1.00	Mar	1.75	1.66	0.15	0.32	0.114	0.73					4.64
Bed conditioner	26.67'	MFWD190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43					3.03
Plntr hbox + granule	25.33'	MFWD190	0.100	1.00	Apr	1.99	1.89	0.95	1.61	0.240	1.53					7.99
Corn-conventional	ths											30.0000	1.23	36.90		36.90
Force 1.5G	lb											8.7000	1.97	17.13		17.13
Atrazine	pint											4.0000	1.25	5.00		5.00
Water tank	1000 gal	170	0.131	0.15	Apr	0.26	0.12	0.01	0.02	0.003	0.02					0.46
Cstm laser survey	acre			1.00	May							1.0000	2.50	2.50		2.50
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.00	4.00		4.00
Dual II	pt											2.0000	8.43	16.86		16.86
Row cult 8r@30"	20'	145	0.129	1.00	May	2.25	1.27	0.29	0.50	0.025	0.16					4.50
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.00	4.00		4.00
Liquid Nitrogen 32%	lb											550.0000	0.05	27.50		27.50
Levee disk-build	9'	2WD 170	0.196	0.15	Jun	0.50	0.44	0.05	0.11	0.038	0.24					1.35
Blade, rear mount	8'	2WD 105	0.645	0.05	Jun	0.34	0.30	0.01	0.05	0.041	0.26					0.97
Flood irrig	ac-in			1.00	Jun				5.22	16.33	0.040	0.25	4.0000			21.80
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Jun	0.33	0.29	0.03	0.07	0.025	0.16					0.90
Levee disk-build	9'	2WD 170	0.196	0.15	Jul	0.50	0.44	0.05	0.11	0.038	0.24					1.35
Blade, rear mount	8'	2WD 105	0.645	0.05	Jul	0.34	0.30	0.01	0.05	0.041	0.26					0.97
Flood irrig	ac-in			1.00	Jul				3.91	0.030	0.19	3.0000				4.10
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Jul	0.33	0.29	0.03	0.07	0.025	0.16					0.90
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.50	0.44	0.05	0.11	0.038	0.24					1.35
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.34	0.30	0.01	0.05	0.041	0.26					0.97
Flood irrig	ac-in			1.00	Aug				3.91	0.030	0.19	3.0000				4.10
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.33	0.29	0.03	0.07	0.025	0.16					0.90
Combine, corn 8row	20'		0.247	1.00	Sep			10.01	19.26	0.283	1.80					31.09
Custom haul	bushel			1.00	Sep							150.0000	0.15	22.50		22.50
Custom dry corn	bushel			1.00	Sep							150.0000	0.17	25.50		25.50
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Sep	1.63	1.55	0.44	1.03	0.106	0.68					5.35
TOTALS						17.60	15.46	26.46	42.62	1.591	10.16			204.39		316.73
INTEREST ON OPERATING CAPITAL																9.18
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																325.91

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 name, nor does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

Estimating 2001 Costs of Production

**Corn, Furrow Irrigated,
Loamy Soils, 2001**

AG-603-02-01

Tony E. Windham, Extension Economist - Management
Jennifer Lafferty, Extension Associate

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Corn-conventional	ths	1.23	30.0000	36.90	-----
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	-----
Cstm ap grd herbicid	acre	4.00	1.0000	4.00	-----
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	-----
Custom haul	bushel	0.15	150.0000	22.50	-----
Custom dry corn	bushel	0.17	150.0000	25.50	-----
FERTILIZER & LIME					
9-23-30	lb	0.11	350.0000	38.50	-----
Liquid Nitrogen 32%	lb	0.05	550.0000	27.50	-----
HERBICIDES					
Atrazine	pint	1.25	4.0000	5.00	-----
Dual II	pt	8.43	2.0000	16.86	-----
INSECTICIDES					
Force 1.5G	lb	1.97	8.7000	17.13	-----
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	-----
OPERATOR LABOR					
Implements	hour	6.39	0.2553	1.63	-----
Tractors	hour	6.39	0.7777	4.96	-----
Self-Propelled Eq.	hour	6.39	0.2832	1.80	-----
IRRIGATION LABOR					
Furrow irrigation	hour	6.39	0.3000	1.91	-----
DIESEL FUEL					
Tractors	gal	1.09	7.5026	8.17	-----
Self-Propelled Eq.	gal	1.09	3.4630	3.77	-----
Furrow irrigation	gal	1.09	12.0000	13.08	-----
REPAIR & MAINTENANCE					
Implements	acre	3.10	1.0000	3.10	-----
Tractors	acre	5.59	1.0000	5.59	-----
Self-Propelled Eq.	acre	6.24	1.0000	6.24	-----
Furrow irrigation	acre	2.58	1.0000	2.58	-----
INTEREST ON OP. CAP.	acre	9.11	1.0000	9.11	-----
TOTAL DIRECT EXPENSES				269.65	-----
FIXED EXPENSES					
Implements	acre	6.30	1.0000	6.30	-----
Tractors	acre	12.80	1.0000	12.80	-----
Self-Propelled Eq.	acre	19.26	1.0000	19.26	-----
Furrow irrigation	acre	16.33	1.0000	16.33	-----
TOTAL FIXED EXPENSES				54.71	-----
TOTAL SPECIFIED EXPENSES				324.36	-----

Visit our web site at: <http://www.aragriculture.org>

**Table 2. Estimated resource use and costs for field operations, per acre
Corn, Furrow Irrigated, Loamy Soils, 2001.**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Nov	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Chisel plow	21'	MFWD190	0.092	1.00	Feb	1.83	1.74	0.17	0.33	0.119	0.76				4.85
Cstm ap grd fert dry acre				1.00	Mar							1.0000	4.00	4.00	4.00
9-23-30	lb											350.0000	0.11	38.50	38.50
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Disk bedder, 8r@30"	20'	MFWD190	0.088	1.00	Mar	1.75	1.66	0.15	0.32	0.114	0.73				4.64
Bed conditioner	26.67'	MFWD190	0.052	1.00	Apr	1.03	0.98	0.18	0.39	0.067	0.43				3.03
Plntr hbox + granule	25.33'	MFWD190	0.100	1.00	Apr	1.99	1.89	0.95	1.61	0.240	1.53				7.99
Corn-conventional	ths											30.0000	1.23	36.90	36.90
Force 1.5G	lb											8.7000	1.97	17.13	17.13
Atrazine	pint											4.0000	1.25	5.00	5.00
Water tank	1000 gal	170	0.131	0.15	Apr	0.26	0.12	0.01	0.02	0.003	0.02				0.46
Cstm ap grd herbicid acre				1.00	Apr							1.0000	4.00	4.00	4.00
Dual II	pt											2.0000	8.43	16.86	16.86
Row cult 8r@30"	20'	2WD 150	0.129	1.00	May	1.94	1.72	0.29	0.50	0.167	1.07				5.55
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00	4.00
Liquid Nitrogen 32%	lb											550.0000	0.05	27.50	27.50
Flex irrigation tube acre				1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun			3.91	16.33	0.075	0.47	3.0000			20.72
Furrow irrigation	ac in			1.00	Jul			3.91		0.075	0.47	3.0000			4.39
Furrow irrigation	ac in			1.00	Aug			3.91		0.075	0.47	3.0000			4.39
Furrow irrigation	ac in			1.00	Aug			3.91		0.075	0.47	3.0000			4.39
Combine, corn 8row	20'		0.247	1.00	Sep			10.01	19.26	0.283	1.80				31.09
Custom haul	bushel			1.00	Sep							150.0000	0.15	22.50	22.50
Custom dry corn	bushel			1.00	Sep							150.0000	0.17	25.50	25.50
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Sep	1.63	1.55	0.44	1.03	0.106	0.68				5.35
TOTALS						13.77	12.80	28.78	41.90	1.616	10.32			207.64	315.24
INTEREST ON OPERATING CAPITAL															9.11
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															324.36

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.



Estimating 2001 Costs of Production

Corn, Furrow Irrigated, Roundup Ready, Loamy Soils, 2001

AG-604-02-01

Tony E. Windham, Extension Economist - Management
Jennifer Lafferty, Extension Associate

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Corn - RR	ths	1.72	30.0000	51.60	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd herbicid	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert liq	acre	4.00	1.0000	4.00	_____
Custom haul	bushel	0.15	130.0000	19.50	_____
Custom dry corn	bushel	0.17	130.0000	22.10	_____
FERTILIZER & LIME					
9-23-30	lb	0.11	350.0000	38.50	_____
Liquid Nitrogen 32%	lb	0.05	550.0000	27.50	_____
HERBICIDES					
Roundup Ultra	pint	4.25	2.0000	8.50	_____
Atrazine	pint	1.25	2.0000	2.50	_____
INSECTICIDES					
Force 1.5G	lb	1.97	8.7000	17.13	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.39	0.2449	1.56	_____
Tractors	hour	6.39	0.7205	4.60	_____
Self-Propelled Eq.	hour	6.39	0.2832	1.80	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.39	0.3000	1.91	_____
DIESEL FUEL					
Tractors	gal	1.09	6.9437	7.56	_____
Self-Propelled Eq.	gal	1.09	3.4630	3.77	_____
Furrow irrigation	gal	1.09	12.0000	13.08	_____
REPAIR & MAINTENANCE					
Implements	acre	2.92	1.0000	2.92	_____
Tractors	acre	5.16	1.0000	5.16	_____
Self-Propelled Eq.	acre	6.24	1.0000	6.24	_____
Furrow irrigation	acre	2.58	1.0000	2.58	_____
INTEREST ON OP. CAP.	acre	9.16	1.0000	9.16	_____
TOTAL DIRECT EXPENSES				265.48	_____
FIXED EXPENSES					
Implements	acre	5.90	1.0000	5.90	_____
Tractors	acre	11.82	1.0000	11.82	_____
Self-Propelled Eq.	acre	19.26	1.0000	19.26	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				53.33	_____
TOTAL SPECIFIED EXPENSES				318.81	_____

Visit our web site at: <http://www.aragriculture.org>

University of Arkansas, United States Department of Agriculture and County Governments cooperating
The Arkansas Cooperative Extension Service offers its programs to all eligible person regardless

of race, color, national origin, religion, gender, age, or disability, marital or veteran s status, or any other legally protected status, and is an Equal Opportunity Employer.

**Table 2. Estimated resource use and costs for field operations, per acre
Corn, Furrow Irrigated, Loamy Soils, Roundup Ready, 2000**

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Nov	1.63	1.55	0.44	1.03	0.106	0.68					5.35
Chisel plow	21'	MFWD190	0.092	1.00	Feb	1.83	1.74	0.17	0.33	0.119	0.76					4.85
Cstm ap grd fert dry acre				1.00	Mar							1.0000	4.00	4.00		4.00
9-23-30 lb												350.0000	0.11	38.50		38.50
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68					5.35
Cstm ap grd herbicid acre				0.00	Mar								4.00			
Roundup Ultra	pint												4.25			
Disk bedder, 8r@30"	20'	MFWD190	0.088	1.00	Mar	1.75	1.66	0.15	0.32	0.114	0.73					4.64
Plntr hbox + granule	25.33'	MFWD190	0.100	1.00	Apr	1.99	1.89	0.95	1.61	0.240	1.53					7.99
Corn - RR	ths											30.0000	1.72	51.60		51.60
Force 1.5G	lb											8.7000	1.97	17.13		17.13
Water tank	1000 gal	170	0.131	0.15	Apr	0.26	0.12	0.01	0.02	0.003	0.02					0.46
Cstm ap grd herbicid acre				1.00	Apr							1.0000	4.00	4.00		4.00
Roundup Ultra	pint											2.0000	4.25	8.50		8.50
Atrazine	pint											2.0000	1.25	2.50		2.50
Row cult 8r@30"	20'	2WD 150	0.129	1.00	May	1.94	1.72	0.29	0.50	0.167	1.07					5.55
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.00	4.00		4.00
Liquid Nitrogen 32% lb												550.0000	0.05	27.50		27.50
Flex irrigation tube acre				1.00	Jun							1.0000	5.75	5.75		5.75
Furrow irrigation	ac in			1.00	Jun			3.91	16.33	0.075	0.47	3.0000				20.72
Furrow irrigation	ac in			1.00	Jul			3.91		0.075	0.47	3.0000				4.39
Furrow irrigation	ac in			1.00	Aug			3.91		0.075	0.47	3.0000				4.39
Furrow irrigation	ac in			1.00	Aug			3.91		0.075	0.47	3.0000				4.39
Combine, corn 8row	20'		0.247	1.00	Sep			10.01	19.26	0.283	1.80					31.09
Custom haul	bushel			1.00	Sep							130.0000	0.15	19.50		19.50
Custom dry corn	bushel			1.00	Sep							130.0000	0.17	22.10		22.10
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Sep	1.63	1.55	0.44	1.03	0.106	0.68					5.35
TOTALS						12.73	11.82	28.59	41.50	1.548	9.89			205.08		309.64
INTEREST ON OPERATING CAPITAL																9.16
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																318.81

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 name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.