



COOPERATIVE EXTENSION SERVICE

University of Arkansas

Corn, Flood Irrigation, Loamy Soils, Arkansas

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

Table 1. Estimated costs per acre, Corn, Flood Irrigated, Loamy Soils, Arkansas, 1997.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROPS SEED					
Corn seed	ths	1.15	28.0000	32.20	_____
CUSTOM WORK					
Cstm ap grd fert dry	ac	3.50	2.0000	7.00	_____
Cstm laser survey	ac	2.50	1.0000	2.50	_____
Cstm haul	bu	0.15	150.0000	22.50	_____
Custom dry corn	bu	0.17	150.0000	25.50	_____
HERBICIDES					
Atrazine 4L	pint	1.90	1.2000	2.28	_____
Lasso 4EC	pint	3.66	1.7500	6.41	_____
INSECTICIDES					
Furadan 4F	pint	8.92	2.0000	17.84	_____
FERTILIZER & LIME					
46-0-0	lb	0.12	400.0000	48.00	_____
0-15-30	lb	0.08	200.0000	15.00	_____
OPERATOR LABOR					
Implements	hour	6.55	1.1886	7.79	_____
Self-Propelled Eq.	hour	6.55	0.2832	1.86	_____
IRRIGATION LABOR					
Flood irrigation	hour	6.55	1.2000	7.86	_____
DIESEL FUEL					
Tractors	gal	0.70	9.3587	6.55	_____
Self-Propelled Eq.	gal	0.70	3.4630	2.42	_____
Flood irrigation	gal	0.70	12.2000	8.54	_____
REPAIR & MAINTENANCE					
Implements	acre	2.92	1.0000	2.92	_____
Tractors	acre	7.84	1.0000	7.84	_____
Self-Propelled Eq.	acre	6.24	1.0000	6.24	_____
Flood irrigation	acre	4.10	1.0000	4.10	_____
INTEREST ON OP. CAP.	acre	8.17	1.0000	8.17	_____
TOTAL DIRECT EXPENSES				243.51	_____
FIXED EXPENSES					
Implements	acre	7.64	1.0000	7.64	_____
Tractors	acre	13.89	1.0000	13.89	_____
Self-Propelled Eq.	acre	22.83	1.0000	22.83	_____
Flood irrigation	acre	21.70	1.0000	21.70	_____
TOTAL FIXED EXPENSES				66.06	_____
TOTAL SPECIFIED EXPENSES				309.57	_____

*Estimating 1997
Production Costs
In Arkansas*

*Tony E. Windham
Craig D. Brown*

AG-476-10-96



*Linking People
to Research*

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Table 2. Estimated resource use and costs per acre for field operations, Corn, Flood Irrigated, Loamy Soils, Arkansas, 1997.

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'	180	0.082	1.00	Nov	1.48	1.45	0.44	1.24	0.098	0.64				5.26
Chisel plow	21'	180	0.092	1.00	Feb	1.66	1.63	0.17	0.41	0.110	0.72				4.60
Cstm ap grd fert dry ac				1.00	Mar							1.0000	3.50	3.50	3.50
46-0-0	lb											150.0000	0.12	18.00	18.00
0-15-30	lb											200.0000	0.08	15.00	15.00
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.48	1.45	0.44	1.24	0.098	0.64				5.26
Disk bedder 8ra30"	20'	180	0.088	1.00	Mar	1.59	1.56	0.16	0.40	0.106	0.69				4.40
Bed conditioner	26.67'	180	0.052	1.00	Apr	0.94	0.92	0.19	0.48	0.062	0.41				2.94
Plntr hbox + sprdir	20'	180	0.127	1.00	Apr	2.30	2.25	0.60	1.53	0.292	1.91				8.59
Corn seed	ths											28.0000	1.15	32.20	32.20
Furadan 4F	pint											2.0000	8.92	17.84	17.84
Atrazine 4L	pint											1.2000	1.90	2.28	2.28
Lasso 4EC	pint											1.7500	3.66	6.41	6.41
Water tank	1000gal	170	0.131	0.15	Apr			0.02	0.03	0.024	0.15				0.20
Cstm laser survey	ac			1.00	May							1.0000	2.50	2.50	2.50
Row cult 8ra30"	20'	145	0.129	1.00	May	1.78	1.61	0.30	0.60	0.155	1.01				5.30
Cstm ap grd fert dry ac				1.00	May							1.0000	3.50	3.50	3.50
46-0-0	lb											250.0000	0.12	30.00	30.00
Levee disk	9'	160	0.196	0.15	Jun	0.44	0.41	0.05	0.13	0.035	0.23				1.26
Blade rear mount	8'	110	0.645	0.05	Jun	0.35	0.32	0.01	0.07	0.039	0.25				1.00
Flood irrigation	ac in			1.00	Jun				5.06	8.68	0.480	3.14			16.88
Levee disk	9'	160	0.196	0.10	Jul	0.29	0.27	0.03	0.09	0.024	0.15				0.84
Flood irrigation	ac in			1.00	Jul				3.79	6.51	0.360	2.36			12.66
Levee disk	9'	160	0.196	0.10	Aug	0.29	0.27	0.03	0.09	0.024	0.15				0.84
Flood irrigation	ac in			1.00	Aug				3.79	6.51	0.360	2.36			12.66
Levee disk	9'	160	0.196	0.10	Aug	0.29	0.27	0.03	0.09	0.024	0.15				0.84
Combine, corn 8row	20'		0.248	1.00	Sep			8.66	22.83	0.283	1.86				33.35
Cstm haul	bu			1.00	Sep							150.0000	0.15	22.50	22.50
Custom dry corn	bu			1.00	Sep							150.0000	0.17	25.50	25.50
Disk, medium cut	26.41'	180	0.082	1.00	Sep	1.48	1.45	0.44	1.24	0.098	0.64				5.26
TOTALS						14.39	13.89	24.22	52.17	2.672	17.50			179.23	301.40
INTEREST ON OPERATING CAPITAL															8.17
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															309.57

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.



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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROPS SEED					
Corn seed	ths	1.15	28.0000	32.20	_____
CUSTOM WORK					
Cstm ap grd fert dry	ac	3.50	2.0000	7.00	_____
Cstm haul	bu	0.15	150.0000	22.50	_____
Custom dry corn	bu	0.17	150.0000	25.50	_____
HERBICIDES					
Atrazine 4L	pint	1.90	1.2000	2.28	_____
Lasso 4EC	pint	3.66	1.7500	6.41	_____
INSECTICIDES					
Furadan 4F	pint	8.92	2.0000	17.84	_____
FERTILIZER & LIME					
46-0-0	lb	0.12	400.0000	48.00	_____
0-15-30	lb	0.08	200.0000	15.00	_____
MISC. IRRIGATION					
Flex ir tubing	ac	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.55	1.0441	6.84	_____
Self-Propelled Eq.	hour	6.55	0.2832	1.86	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.55	1.3500	8.84	_____
DIESEL FUEL					
Tractors	gal	0.70	8.2223	5.76	_____
Self-Propelled Eq.	gal	0.70	3.4630	2.42	_____
Furrow irrigation	gal	0.70	8.5500	5.98	_____
REPAIR & MAINTENANCE					
Implements	acre	2.76	1.0000	2.76	_____
Tractors	acre	6.97	1.0000	6.97	_____
Self-Propelled Eq.	acre	6.24	1.0000	6.24	_____
Furrow irrigation	acre	2.61	1.0000	2.61	_____
INTEREST ON OP. CAP.	acre	7.84	1.0000	7.84	_____
TOTAL DIRECT EXPENSES				240.59	_____
FIXED EXPENSES					
Implements	acre	7.17	1.0000	7.17	_____
Tractors	acre	12.34	1.0000	12.34	_____
Self-Propelled Eq.	acre	22.83	1.0000	22.83	_____
Furrow irrigation	acre	13.86	1.0000	13.86	_____
TOTAL FIXED EXPENSES				56.21	_____
TOTAL SPECIFIED EXPENSES				296.79	_____

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Table 2. Estimated resource use and costs per acre for field operations, Corn, Furrow Irrigated, Loamy Soils, Arkansas, 1997.

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						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk, medium cut	26.41'	180	0.082	1.00	Nov	1.48	1.45	0.44	1.24	0.098	0.64				5.26
Chisel plow	21'	180	0.092	1.00	Feb	1.66	1.63	0.17	0.41	0.110	0.72				4.60
Cstm ap grd fert dry ac				1.00	Mar							1.0000	3.50	3.50	3.50
46-0-0	lb											150.0000	0.12	18.00	18.00
0-15-30	lb											200.0000	0.08	15.00	15.00
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.48	1.45	0.44	1.24	0.098	0.64				5.26
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Cstm ap grd fert dry ac				1.00	Jun							1.0000	3.50	3.50	3.50
46-0-0	lb											250.0000	0.12	30.00	30.00
Flex ir tubing	ac			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun			2.86	4.62	0.450	2.95				10.43
Furrow irrigation	ac in			1.00	Jul			2.86	4.62	0.450	2.95				10.43
Furrow irrigation	ac in			1.00	Aug			2.86	4.62	0.450	2.95				10.43
Combine, corn 8row	20'		0.248	1.00	Sep			8.66	22.83	0.283	1.86				33.35
Cstm haul	bu			1.00	Sep							150.0000	0.15	22.50	22.50
Custom dry corn	bu			1.00	Sep							150.0000	0.17	25.50	25.50
Disk, medium cut	26.41'	180	0.082	1.00	Sep	1.48	1.45	0.44	1.24	0.098	0.64				5.26
TOTALS						12.72	12.34	20.01	43.86	2.677	17.54			182.48	288.95
INTEREST ON OPERATING CAPITAL															7.84
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															296.79

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