

COOPERATIVE EXTENSION SERVICE

University of Arkansas

Wheat, Loamy Soils, Arkansas

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

Table 1. Estimated costs per acre, Wheat, Loamy Soils, Arkansas, 1998.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Wheat seed - public	lb	0.16	90.0000	14.40	_____
CUSTOM WORK					
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap air fert	lb	0.05	110.0000	4.95	_____
Custom haul	bushel	0.15	50.0000	7.50	_____
FERTILIZER & LIME					
Phosphate 0-46-0	lb	0.12	100.0000	11.50	_____
Urea 46%	lb	0.10	220.0000	22.00	_____
HERBICIDES					
Harmony extra	ounce	13.16	0.5000	6.58	_____
Surfactant SL(80-20)	pint	0.63	0.2000	0.13	_____
OPERATOR LABOR					
Implements	hour	6.23	0.6736	4.20	_____
Self-Propelled Eq.	hour	6.23	0.1904	1.19	_____
DIESEL FUEL					
Tractors	gal	0.70	4.6075	3.23	_____
Self-Propelled Eq.	gal	0.70	2.0034	1.40	_____
REPAIR & MAINTENANCE					
Implements	acre	2.45	1.0000	2.45	_____
Tractors	acre	3.82	1.0000	3.82	_____
Self-Propelled Eq.	acre	3.85	1.0000	3.85	_____
INTEREST ON OP. CAP.	acre	3.94	1.0000	3.94	_____
TOTAL DIRECT EXPENSES				95.62	_____
FIXED EXPENSES					
Implements	acre	6.06	1.0000	6.06	_____
Tractors	acre	6.41	1.0000	6.41	_____
Self-Propelled Eq.	acre	13.56	1.0000	13.56	_____
TOTAL FIXED EXPENSES				26.02	_____
TOTAL SPECIFIED EXPENSES				121.65	_____

*Estimating 1998
Production Costs
In Arkansas*

*Tony E. Windham
Craig D. Brown*

AG-489-9-97



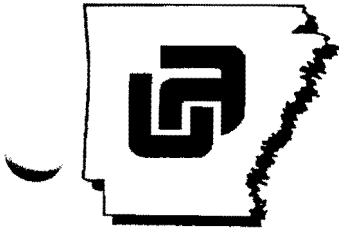
*Linking People
to Research*

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Table 2. Estimated resource use and costs for field operations, per acre, Wheat, Loamy Soils, Arkansas, 1998.

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	Oct	1.48	1.38	0.44	1.19	0.098	0.61				5.11
Disk, medium cut	26.41'	180	0.082	1.00	Oct	1.48	1.38	0.44	1.19	0.098	0.61				5.11
Fertilizer spreader	32'	125	0.052	1.00	Oct	0.66	0.60	0.23	0.47	0.062	0.39				2.35
Phosphate 0-46-0	lb											100.0000	0.12	11.50	11.50
Triple K	26.67'	180	0.052	1.00	Oct	0.94	0.87	0.27	0.66	0.062	0.39				3.13
Grain drill	20'	145	0.118	1.00	Oct	1.62	1.40	0.82	2.00	0.271	1.69				7.53
Wheat seed - public	lb											90.0000	0.16	14.40	14.40
Furrow ditcher	8'	125	0.380	0.04	Oct	0.19	0.18	0.02	0.08	0.018	0.11				0.59
Fertilizer spreader	32'	125	0.052	1.00	Feb	0.66	0.60	0.23	0.47	0.062	0.39				2.35
Urea 46%	lb											110.0000	0.10	11.00	11.00
Cstm ap air herbicid acre				1.00	Mar							1.0000	4.50	4.50	4.50
Harmony extra	ounce											0.5000	13.16	6.58	6.58
Surfactant SL(80-20)	pint											0.2000	0.63	0.13	0.13
Cstm ap air fert	lb			1.00	Mar							110.0000	0.05	4.95	4.95
Urea 46%	lb											110.0000	0.10	11.00	11.00
Combine, small grain	20'		0.167	1.00	Jun			5.25	13.56	0.190	1.19				19.99
Custom haul	bushel			1.00	Jun							50.0000	0.15	7.50	7.50
TOTALS						7.04	6.41	7.70	19.62	0.864	5.38			71.56	117.70
INTEREST ON OPERATING CAPITAL															3.94
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															121.65

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**Estimating 1998
Production Costs
In Arkansas**

**Tony E. Windham
Craig D. Brown**

AG-490-9-97



*Linking People
to Research*

Table 1. Estimated costs per acre, Wheat, Clay Soils, Arkansas, 1998.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Wheat seed - public	lb	0.16	100.0000	16.00	_____
CUSTOM WORK					
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap air fert	lb	0.05	125.0000	5.63	_____
Custom haul	bushel	0.15	45.0000	6.75	_____
FERTILIZER & LIME					
Phosphate 0-46-0	lb	0.12	100.0000	11.50	_____
Urea 46%	lb	0.10	300.0000	30.00	_____
HERBICIDES					
Harmony extra	ounce	13.16	0.5000	6.58	_____
Surfactant SL(80-20)	pint	0.63	0.2000	0.13	_____
OPERATOR LABOR					
Implements	hour	6.23	0.6736	4.20	_____
Self-Propelled Eq.	hour	6.23	0.1904	1.19	_____
DIESEL FUEL					
Tractors	gal	0.70	4.6075	3.23	_____
Self-Propelled Eq.	gal	0.70	2.0034	1.40	_____
REPAIR & MAINTENANCE					
Implements	acre	2.45	1.0000	2.45	_____
Tractors	acre	3.82	1.0000	3.82	_____
Self-Propelled Eq.	acre	3.85	1.0000	3.85	_____
INTEREST ON OP. CAP.	acre	4.35	1.0000	4.35	_____
TOTAL DIRECT EXPENSES				105.56	_____
FIXED EXPENSES					
Implements	acre	6.06	1.0000	6.06	_____
Tractors	acre	6.41	1.0000	6.41	_____
Self-Propelled Eq.	acre	13.56	1.0000	13.56	_____
TOTAL FIXED EXPENSES				26.02	_____
TOTAL SPECIFIED EXPENSES				131.58	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Wheat, Clay Soils, Arkansas, 1998.

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	Oct	1.48	1.38	0.44	1.19	0.098	0.61				5.11
Disk, medium cut	26.41'	180	0.082	1.00	Oct	1.48	1.38	0.44	1.19	0.098	0.61				5.11
Fertilizer spreader	32'	125	0.052	1.00	Oct	0.66	0.60	0.23	0.47	0.062	0.39				2.35
Phosphate 0-46-0	lb											100.0000	0.12	11.50	11.50
Triple K	26.67'	180	0.052	1.00	Oct	0.94	0.87	0.27	0.66	0.062	0.39				3.13
Grain drill	20'	145	0.118	1.00	Oct	1.62	1.40	0.82	2.00	0.271	1.69				7.53
Wheat seed - public	lb											100.0000	0.16	16.00	16.00
Furrow ditcher	8'	125	0.380	0.04	Oct	0.19	0.18	0.02	0.08	0.018	0.11				0.59
Fertilizer spreader	32'	125	0.052	1.00	Feb	0.66	0.60	0.23	0.47	0.062	0.39				2.35
Urea 46%	lb											175.0000	0.10	17.50	17.50
Cstm ap air herbicid	acre			1.00	Mar							1.0000	4.50	4.50	4.50
Harmony extra	ounce											0.5000	13.16	6.58	6.58
Surfactant SL(80-20)	pint											0.2000	0.63	0.13	0.13
Cstm ap air fert	lb			1.00	Mar							125.0000	0.05	5.63	5.63
Urea 46%	lb											125.0000	0.10	12.50	12.50
Combine, small grain	20'		0.167	1.00	Jun			5.25	13.56	0.190	1.19				19.99
Custom haul	bushel			1.00	Jun							45.0000	0.15	6.75	6.75
TOTALS						7.04	6.41	7.70	19.62	0.864	5.38			81.08	127.23
INTEREST ON OPERATING CAPITAL															4.35
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															131.58

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COOPERATIVE EXTENSION SERVICE

University of Arkansas

Grain Sorghum, Mixed Soils, Arkansas

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

Table 1. Estimated costs per acre, Grain Sorghum, Mixed Soils, Arkansas, 1998.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Grain sorg. safened	lb	1.20	7.0000	8.40	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	3.50	2.0000	7.00	_____
Custom haul	cwt	0.27	42.9000	11.58	_____
Custom dry sorghum	cwt	0.27	42.9000	11.58	_____
FERTILIZER & LIME					
9-23-30	lb	0.11	300.0000	33.30	_____
Urea 46%	lb	0.10	160.0000	16.00	_____
HERBICIDES					
Atrazine 4L	pint	1.90	4.0000	7.60	_____
Frontier 7.5	pint	12.16	1.0000	12.16	_____
OPERATOR LABOR					
Implements	hour	6.23	0.8727	5.44	_____
Self-Propelled Eq.	hour	6.23	0.2352	1.47	_____
DIESEL FUEL					
Tractors	gal	0.70	6.2803	4.40	_____
Self-Propelled Eq.	gal	0.70	2.8761	2.01	_____
REPAIR & MAINTENANCE					
Implements	acre	2.89	1.0000	2.89	_____
Tractors	acre	4.92	1.0000	4.92	_____
Self-Propelled Eq.	acre	4.75	1.0000	4.75	_____
INTEREST ON OP. CAP.	acre	4.99	1.0000	4.99	_____
TOTAL DIRECT EXPENSES				138.49	_____
FIXED EXPENSES					
Implements	acre	6.90	1.0000	6.90	_____
Tractors	acre	9.77	1.0000	9.77	_____
Self-Propelled Eq.	acre	18.35	1.0000	18.35	_____
TOTAL FIXED EXPENSES				35.01	_____
TOTAL SPECIFIED EXPENSES				173.50	_____

*Estimating 1998
Production Costs
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*Tony E. Windham
Craig D. Brown*

AG-512-11-97



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Table 2. Estimated resource use and costs for field operations, per acre, Grain Sorghum, Mixed Soils, Arkansas, 1998.

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	1.63	0.44	1.31	0.098	0.61				5.48
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.48	1.63	0.44	1.31	0.098	0.61				5.48
Cstm ap grd fert dry acre				1.00	Mar							1.0000	3.50	3.50	3.50
9-23-30	lb											300.0000	0.11	33.30	33.30
Field cultivator	25.5'	180	0.054	1.00	Mar	0.98	1.07	0.20	0.57	0.065	0.40				3.23
Plntr hbox + sprydir	20'	145	0.127	1.00	Apr	1.75	1.78	1.20	2.42	0.292	1.82				8.96
Grain sorg. safened	lb											7.0000	1.20	8.40	8.40
Atrazine 4L	pint											4.0000	1.90	7.60	7.60
Frontier 7.5	pint											1.0000	12.16	12.16	12.16
Water tank	1000 gal	170	0.131	0.06	Apr	0.08	0.06	0.01	0.01	0.009	0.06				0.21
Row cult 8ra30"	20'	145	0.129	1.00	May	1.78	1.80	0.30	0.63	0.155	0.96				5.47
Cstm ap grd fert dry acre				1.00	May							1.0000	3.50	3.50	3.50
Urea 46%	lb											160.0000	0.10	16.00	16.00
Row cult 8ra30"	20'	145	0.129	1.00	Jun	1.78	1.80	0.30	0.63	0.155	0.96				5.47
Combine, 4wd, sorg.	20'		0.206	1.00	Sep			6.77	18.35	0.235	1.47				26.58
Custom haul	cwt			1.00	Sep							42.9000	0.27	11.58	11.58
Custom dry sorghum	cwt			1.00	Sep							42.9000	0.27	11.58	11.58
TOTALS						9.32	9.77	9.65	25.24	1.108	6.90			107.63	168.51
INTEREST ON OPERATING CAPITAL															4.99
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															173.50

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COOPERATIVE EXTENSION SERVICE

University of Arkansas

Grain Sorghum, Loamy Soils, Flood Irrigation, Arkansas

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

**Estimating 1998
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In Arkansas**

**Tony E. Windham
Craig D. Brown**

AG-513-11-97



**Linking People
to Research**

Table 1. Estimated costs per acre, Grain Sorghum, Loamy Soils, Flood Irrigation, Arkansas, 1998.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Grain sorg. safened	lb	1.20	7.0000	8.40	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	3.50	2.0000	7.00	_____
Cstm lsr surv soy&gs	acre	1.25	1.0000	1.25	_____
Custom haul	cwt	0.27	64.3000	17.36	_____
Custom dry sorghum	cwt	0.27	64.3000	17.36	_____
FERTILIZER & LIME					
9-23-30	lb	0.11	300.0000	33.30	_____
Urea 46%	lb	0.10	250.0000	25.00	_____
HERBICIDES					
Atrazine 4L	pint	1.90	4.0000	7.60	_____
Frontier 7.5	pint	12.16	1.0000	12.16	_____
OPERATOR LABOR					
Implements	hour	6.23	1.0677	6.65	_____
Self-Propelled Eq.	hour	6.23	0.2352	1.47	_____
IRRIGATION LABOR					
Flood irrigation	hour	6.23	0.4200	2.62	_____
DIESEL FUEL					
Tractors	gal	0.70	7.7511	5.43	_____
Self-Propelled Eq.	gal	0.70	2.8761	2.01	_____
Flood irrigation	gal	0.70	8.2600	5.78	_____
REPAIR & MAINTENANCE					
Implements	acre	3.08	1.0000	3.08	_____
Tractors	acre	6.20	1.0000	6.20	_____
Self-Propelled Eq.	acre	4.75	1.0000	4.75	_____
Flood irrigation	acre	2.87	1.0000	2.87	_____
INTEREST ON OP. CAP.	acre	5.85	1.0000	5.85	_____
TOTAL DIRECT EXPENSES				176.14	_____
FIXED EXPENSES					
Implements	acre	7.52	1.0000	7.52	_____
Tractors	acre	12.29	1.0000	12.29	_____
Self-Propelled Eq.	acre	18.35	1.0000	18.35	_____
Flood irrigation	acre	15.19	1.0000	15.19	_____
TOTAL FIXED EXPENSES				53.35	_____
TOTAL SPECIFIED EXPENSES				229.49	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Grain Sorghum, Loamy Soils, Flood Irrigation, Arkansas, 1998.

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	1.63	0.44	1.31	0.098	0.61				5.48
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.48	1.63	0.44	1.31	0.098	0.61				5.48
Cstm ap grd fert dry	acre			1.00	Mar							1.0000	3.50	3.50	3.50
9-23-30	lb											300.0000	0.11	33.30	33.30
Field cultivator	25.5'	180	0.054	1.00	Mar	0.98	1.07	0.20	0.57	0.065	0.40				3.23
Plntr hbox + sprydir	20'	145	0.127	1.00	Apr	1.75	1.78	1.20	2.42	0.292	1.82				8.96
Grain sorg. safened	lb											7.0000	1.20	8.40	8.40
Atrazine 4L	pint											4.0000	1.90	7.60	7.60
Frontier 7.5	pint											1.0000	12.16	12.16	12.16
Water tank	1000 gal	170	0.131	0.06	Apr	0.08	0.06	0.01	0.01	0.009	0.06				0.21
Cstm lsr surv soy&gs	acre			1.00	May							1.0000	1.25	1.25	1.25
Row cult 8ra30"	20'	145	0.129	1.00	May	1.78	1.80	0.30	0.63	0.155	0.96				5.47
Cstm ap grd fert dry	acre			1.00	May							1.0000	3.50	3.50	3.50
Urea 46%	lb											250.0000	0.10	25.00	25.00
Row cult 8ra30"	20'	145	0.129	1.00	Jun	1.78	1.80	0.30	0.63	0.155	0.96				5.47
Levee disk-build	9'	160	0.196	0.15	Jun	0.48	0.54	0.05	0.14	0.035	0.22				1.44
Blade, rear mount	8'	110	0.645	0.05	Jun	0.35	0.36	0.01	0.08	0.039	0.24				1.04
Flood irrigation	ac in			1.00	Jun				4.94	8.68	0.240	1.50	4.0000		15.12
Levee disk-knock dwn	9'	160	0.196	0.10	Jun	0.32	0.36	0.03	0.09	0.024	0.15				0.96
Levee disk-build	9'	160	0.196	0.15	Jul	0.48	0.54	0.05	0.14	0.035	0.22				1.44
Blade, rear mount	8'	110	0.645	0.05	Jul	0.35	0.36	0.01	0.08	0.039	0.24				1.04
Flood irrigation	ac in			1.00	Jul				3.71	6.51	0.180	1.12	3.0000		11.34
Levee disk-knock dwn	9'	160	0.196	0.10	Aug	0.32	0.36	0.03	0.09	0.024	0.15				0.96
Combine, 4wd, sorg.	20'		0.206	1.00	Sep				6.77	18.35	0.235	1.47			26.58
Custom haul	cwt			1.00	Sep							64.3000	0.27	17.36	17.36
Custom dry sorghum	cwt			1.00	Sep							64.3000	0.27	17.36	17.36
TOTALS						11.63	12.29	18.50	41.06	1.723	10.73			129.43	223.64
INTEREST ON OPERATING CAPITAL															5.85
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															229.49

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COOPERATIVE EXTENSION SERVICE

University of Arkansas

Corn, Loamy Soils, Flood Irrigation, Arkansas

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**Estimating 1998
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In Arkansas**

**Tony E. Windham
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AG-510-11-97



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to Research**

Table 1. Estimated costs per acre, Corn, Loamy Soils, Flood Irrigation, Arkansas, 1998.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Corn seed	ths	1.15	28.0000	32.20	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	3.50	1.0000	3.50	_____
Cstm laser survey	acre	2.50	1.0000	2.50	_____
Cstm ap grd herbicid	acre	3.50	1.0000	3.50	_____
Cstm ap grd fert liq	acre	3.50	1.0000	3.50	_____
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	38.85	_____
Liquid Nitrogen 32%	lb	0.07	550.0000	38.50	_____
HERBICIDES					
Atrazine 4L	pint	1.90	4.0000	7.60	_____
Frontier 7.5	pint	12.16	1.0000	12.16	_____
INSECTICIDES					
Force 1.5G	lb	1.45	8.7000	12.62	_____
OPERATOR LABOR					
Implements	hour	6.23	1.2745	7.94	_____
Self-Propelled Eq.	hour	6.23	0.2832	1.76	_____
IRRIGATION LABOR					
Flood irrigation	hour	6.23	0.6000	3.74	_____
DIESEL FUEL					
Tractors	gal	0.70	10.3114	7.22	_____
Self-Propelled Eq.	gal	0.70	3.4630	2.42	_____
Flood irrigation	gal	0.70	11.8000	8.26	_____
REPAIR & MAINTENANCE					
Implements	acre	3.40	1.0000	3.40	_____
Tractors	acre	8.67	1.0000	8.67	_____
Self-Propelled Eq.	acre	6.24	1.0000	6.24	_____
Flood irrigation	acre	4.10	1.0000	4.10	_____
INTEREST ON OP. CAP.	acre	8.82	1.0000	8.82	_____
TOTAL DIRECT EXPENSES				265.49	_____
FIXED EXPENSES					
Implements	acre	8.86	1.0000	8.86	_____
Tractors	acre	17.20	1.0000	17.20	_____
Self-Propelled Eq.	acre	24.08	1.0000	24.08	_____
Flood irrigation	acre	21.70	1.0000	21.70	_____
TOTAL FIXED EXPENSES				71.85	_____
TOTAL SPECIFIED EXPENSES				337.34	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Corn, Loamy Soils, Flood Irrigation, Arkansas, 1998.

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	1.63	0.44	1.31	0.098	0.61					5.48
Chisel plow	21'	180	0.092	1.00	Feb	1.66	1.82	0.17	0.44	0.110	0.69					4.79
Cstm ap grd fert dry acre				1.00	Mar							1.0000	3.50	3.50		3.50
9-23-30 lb												350.0000	0.11	38.85		38.85
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.48	1.63	0.44	1.31	0.098	0.61					5.48
Disk bedder, 8ra30"	20'	180	0.088	1.00	Mar	1.59	1.74	0.16	0.43	0.106	0.66					4.58
Bed conditioner	26.67'	180	0.052	1.00	Apr	0.94	1.03	0.19	0.52	0.062	0.39					3.07
Plntr hbox + granule	25.33'	180	0.100	1.00	Apr	1.81	1.98	0.95	1.93	0.230	1.43					8.10
Corn seed	ths											28.0000	1.15	32.20		32.20
Force 1.5G	lb											8.7000	1.45	12.62		12.62
Atrazine 4L	pint											2.0000	1.90	3.80		3.80
Frontier 7.5	pint											1.0000	12.16	12.16		12.16
Water tank	1000 gal	170	0.131	0.15	Apr	0.19	0.15	0.02	0.03	0.024	0.15					0.53
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	3.50	3.50		3.50
Atrazine 4L	pint											2.0000	1.90	3.80		3.80
Row cult 8ra30"	20'	145	0.129	1.00	May	1.78	1.80	0.30	0.63	0.155	0.96					5.47
Cstm ap grd fert liq	acre			1.00	May							1.0000	3.50	3.50		3.50
Liquid Nitrogen 32%	lb											550.0000	0.07	38.50		38.50
Levee disk-build	9'	160	0.196	0.15	Jun	0.48	0.54	0.05	0.14	0.035	0.22					1.44
Blade, rear mount	8'	110	0.645	0.05	Jun	0.35	0.36	0.01	0.08	0.039	0.24					1.04
Flood irrigation	ac in			1.00	Jun							4.0000				15.12
Levee disk-knock dwn	9'	160	0.196	0.10	Jun	0.32	0.36	0.03	0.09	0.024	0.15					0.96
Levee disk-build	9'	160	0.196	0.15	Jul	0.48	0.54	0.05	0.14	0.035	0.22					1.44
Blade, rear mount	8'	110	0.645	0.05	Jul	0.35	0.36	0.01	0.08	0.039	0.24					1.04
Flood irrigation	ac in			1.00	Jul							3.0000				11.34
Levee disk-knock dwn	9'	160	0.196	0.10	Jul	0.32	0.36	0.03	0.09	0.024	0.15					0.96
Levee disk-build	9'	160	0.196	0.15	Aug	0.48	0.54	0.05	0.14	0.035	0.22					1.44
Blade, rear mount	8'	110	0.645	0.05	Aug	0.35	0.36	0.01	0.08	0.039	0.24					1.04
Flood irrigation	ac in			1.00	Aug							3.0000				11.34
Levee disk-knock dwn	9'	160	0.196	0.10	Aug	0.32	0.36	0.03	0.09	0.024	0.15					0.96
Combine, corn 8row	20'		0.248	1.00	Sep				8.66	24.08	0.283	1.76				34.51
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'	180	0.082	1.00	Sep	1.48	1.63	0.44	1.31	0.098	0.61					5.48
TOTALS						15.88	17.20	24.42	54.65	2.158	13.44			202.93		328.52
INTEREST ON OPERATING CAPITAL																8.82
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																337.34

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COOPERATIVE EXTENSION SERVICE

University of Arkansas

Corn, Loamy Soils, Furrow Irrigation, Arkansas

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

**Estimating 1998
Production Costs
In Arkansas**

**Tony E. Windham
Craig D. Brown**

AG-511-11-97



**Linking People
to Research**

Table 1. Estimated costs per acre, Corn, Loamy Soils, Furrow Irrigation, Arkansas, 1998.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Corn seed	ths	1.15	28.0000	32.20	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	3.50	1.0000	3.50	_____
Cstm ap grd herbicid	acre	3.50	1.0000	3.50	_____
Cstm ap grd fert liq	acre	3.50	1.0000	3.50	_____
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	38.85	_____
Liquid Nitrogen 32%	lb	0.07	550.0000	38.50	_____
HERBICIDES					
Atrazine 4L	pint	1.90	4.0000	7.60	_____
Frontier 7.5	pint	12.16	1.0000	12.16	_____
INSECTICIDES					
Force 1.5G	lb	1.45	8.7000	12.62	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.23	0.9820	6.12	_____
Self-Propelled Eq.	hour	6.23	0.2832	1.76	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.23	1.3500	8.41	_____
DIESEL FUEL					
Tractors	gal	0.70	8.1052	5.67	_____
Self-Propelled Eq.	gal	0.70	3.4630	2.42	_____
Furrow irrigation	gal	0.70	8.2800	5.80	_____
REPAIR & MAINTENANCE					
Implements	acre	3.11	1.0000	3.11	_____
Tractors	acre	6.75	1.0000	6.75	_____
Self-Propelled Eq.	acre	6.24	1.0000	6.24	_____
Furrow irrigation	acre	2.61	1.0000	2.61	_____
INTEREST ON OP. CAP.	acre	8.51	1.0000	8.51	_____
TOTAL DIRECT EXPENSES				263.59	_____
FIXED EXPENSES					
Implements	acre	7.93	1.0000	7.93	_____
Tractors	acre	13.41	1.0000	13.41	_____
Self-Propelled Eq.	acre	24.08	1.0000	24.08	_____
Furrow irrigation	acre	13.95	1.0000	13.95	_____
TOTAL FIXED EXPENSES				59.37	_____
TOTAL SPECIFIED EXPENSES				322.96	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Corn, Loamy Soils, Furrow Irrigation, Arkansas, 1998.

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	1.63	0.44	1.31	0.098	0.61				5.48
Chisel plow	21'	180	0.092	1.00	Feb	1.66	1.82	0.17	0.44	0.110	0.69				4.79
Cstm ap grd fert dry	acre			1.00	Mar							1.0000	3.50	3.50	3.50
9-23-30	lb											350.0000	0.11	38.85	38.85
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.48	1.63	0.44	1.31	0.098	0.61				5.48
Disk bedder, 8ra30"	20'	180	0.088	1.00	Mar	1.59	1.74	0.16	0.43	0.106	0.66				4.58
Bed conditioner	26.67'	180	0.052	1.00	Apr	0.94	1.03	0.19	0.52	0.062	0.39				3.07
Plntr hbox + granule	25.33'	180	0.100	1.00	Apr	1.81	1.98	0.95	1.93	0.230	1.43				8.10
Corn seed	ths											28.0000	1.15	32.20	32.20
Force 1.5G	lb											8.7000	1.45	12.62	12.62
Atrazine 4L	pint											2.0000	1.90	3.80	3.80
Frontier 7.5	pint											1.0000	12.16	12.16	12.16
Water tank	1000 gal	170	0.131	0.15	Apr	0.19	0.15	0.02	0.03	0.024	0.15				0.53
Cstm ap grd herbicid	acre			1.00	Apr							1.0000	3.50	3.50	3.50
Atrazine 4L	pint											2.0000	1.90	3.80	3.80
Row cult 8ra30"	20'	145	0.129	1.00	May	1.78	1.80	0.30	0.63	0.155	0.96				5.47
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	3.50	3.50	3.50
Liquid Nitrogen 32%	lb											550.0000	0.07	38.50	38.50
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun			2.80	4.65	0.450	2.80	3.0000			10.26
Furrow irrigation	ac in			1.00	Jul			2.80	4.65	0.450	2.80	3.0000			10.26
Furrow irrigation	ac in			1.00	Aug			2.80	4.65	0.450	2.80	3.0000			10.26
Combine, corn 8row	20'		0.248	1.00	Sep			8.66	24.08	0.283	1.76				34.51
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'	180	0.082	1.00	Sep	1.48	1.63	0.44	1.31	0.098	0.61				5.48
TOTALS						12.43	13.41	20.18	45.96	2.615	16.29			206.18	314.44
INTEREST ON OPERATING CAPITAL															8.51
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															322.96

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