

Corn, Flood Irrigated, Loamy Soils, 2000

Ag-583-12-99

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

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	4.50	1.0000	4.50	_____
Cstm laser survey	acre	2.50	1.0000	2.50	_____
Cstm ap grd herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap grd fert liq	acre	4.50	1.0000	4.50	_____
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	36.75	_____
Liquid Nitrogen 32%	lb	0.06	550.0000	30.80	_____
HERBICIDES					
Atrazine 4L	pint	1.25	1.2500	1.56	_____
Basis Gold	oz	1.00	28.0000	28.00	_____
INSECTICIDES					
Force 1.5G	lb	1.97	8.7000	17.14	_____
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	0.60	10.3114	6.19	_____
Self-Propelled Eq.	gal	0.60	3.4630	2.08	_____
Flood irrigation	gal	0.60	11.8000	7.08	_____
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	8.58	1.0000	8.58	_____
TOTAL DIRECT EXPENSES				270.22	_____
FIXED EXPENSES					
Implements	acre	7.92	1.0000	7.92	_____
Tractors	acre	14.61	1.0000	14.61	_____
Self-Propelled Eq.	acre	21.62	1.0000	21.62	_____
Flood irrigation	acre	21.70	1.0000	21.70	_____
TOTAL FIXED EXPENSES				65.84	_____
TOTAL SPECIFIED EXPENSES				336.07	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Corn, Flood Irrigated, Loamy Soils, 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'	180	0.082	1.00	Nov	1.39	1.38	0.44	1.17	0.098	0.61				4.99
Chisel plow	21'	180	0.092	1.00	Feb	1.56	1.55	0.17	0.39	0.110	0.69				4.35
Cstm ap grd fert dry	acre			1.00	Mar							1.0000	4.50	4.50	4.50
9-23-30	lb											350.0000	0.11	36.75	36.75
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.39	1.38	0.44	1.17	0.098	0.61				4.99
Disk bedder, 8r@30"	20'	180	0.088	1.00	Mar	1.49	1.48	0.16	0.38	0.106	0.66				4.16
Bed conditioner	26.67'	180	0.052	1.00	Apr	0.88	0.87	0.19	0.46	0.062	0.39				2.79
Plntr hbox + granule	25.33'	180	0.100	1.00	Apr	1.69	1.68	0.95	1.77	0.230	1.43				7.53
Corn seed	ths											28.0000	1.15	32.20	32.20
Force 1.5G	lb											8.7000	1.97	17.14	17.14
Atrazine 4L	pint											1.2500	1.25	1.56	1.56
Basis Gold	oz											14.0000	1.00	14.00	14.00
Water tank	1000 gal	170	0.131	0.15	Apr	0.17	0.14	0.02	0.03	0.024	0.15				0.50
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	4.50	4.50	4.50
Basis Gold	oz											14.0000	1.00	14.00	14.00
Row cult 8r@30"	20'	145	0.129	1.00	May	1.65	1.53	0.30	0.57	0.155	0.96				5.01
Cstm ap grd fert liq	acre			1.00	May							1.0000	4.50	4.50	4.50
Liquid Nitrogen 32%	lb											550.0000	0.06	30.80	30.80
Levee disk-build	9'	160	0.196	0.15	Jun	0.45	0.46	0.05	0.13	0.035	0.22				1.31
Blade, rear mount	8'	110	0.645	0.05	Jun	0.32	0.31	0.01	0.06	0.039	0.24				0.95
Flood irrigation	ac in			1.00	Jun			4.47	8.68	0.240	1.50	4.0000			14.65
Levee disk-knock dwn	9'	160	0.196	0.10	Jun	0.30	0.31	0.03	0.09	0.024	0.15				0.87
Levee disk-build	9'	160	0.196	0.15	Jul	0.45	0.46	0.05	0.13	0.035	0.22				1.31
Blade, rear mount	8'	110	0.645	0.05	Jul	0.32	0.31	0.01	0.06	0.039	0.24				0.95
Flood irrigation	ac in			1.00	Jul			3.35	6.51	0.180	1.12	3.0000			10.99
Levee disk-knock dwn	9'	160	0.196	0.10	Jul	0.30	0.31	0.03	0.09	0.024	0.15				0.87
Levee disk-build	9'	160	0.196	0.15	Aug	0.45	0.46	0.05	0.13	0.035	0.22				1.31
Blade, rear mount	8'	110	0.645	0.05	Aug	0.32	0.31	0.01	0.06	0.039	0.24				0.95
Flood irrigation	ac in			1.00	Aug			3.35	6.51	0.180	1.12	3.0000			10.99
Levee disk-knock dwn	9'	160	0.196	0.10	Aug	0.30	0.31	0.03	0.09	0.024	0.15				0.87
Combine, corn 8row	20'		0.248	1.00	Sep			8.32	21.62	0.283	1.76				31.70
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	1.39	1.38	0.44	1.17	0.098	0.61				4.99
TOTALS						14.85	14.61	22.89	51.24	2.158	13.44			210.45	327.49
INTEREST ON OPERATING CAPITAL															8.58
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															336.07

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Corn, Furrow Irrigated, Loamy Soils, 2000

Ag-584-12-99

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

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	4.50	1.0000	4.50	_____
Cstm ap grd herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap grd fert liq	acre	4.50	1.0000	4.50	_____
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	36.75	_____
Liquid Nitrogen 32%	lb	0.06	550.0000	30.80	_____
HERBICIDES					
Atrazine 4L	pint	1.25	1.2500	1.56	_____
Basis Gold	oz	1.00	28.0000	28.00	_____
INSECTICIDES					
Force 1.5G	lb	1.97	8.7000	17.14	_____
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	1.8000	11.21	_____
DIESEL FUEL					
Tractors	gal	0.60	8.1052	4.86	_____
Self-Propelled Eq.	gal	0.60	3.4630	2.08	_____
Furrow irrigation	gal	0.60	11.0400	6.62	_____
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	3.48	1.0000	3.48	_____
INTEREST ON OP. CAP.	acre	8.51	1.0000	8.51	_____
TOTAL DIRECT EXPENSES				274.46	_____
FIXED EXPENSES					
Implements	acre	7.09	1.0000	7.09	_____
Tractors	acre	11.39	1.0000	11.39	_____
Self-Propelled Eq.	acre	21.62	1.0000	21.62	_____
Furrow irrigation	acre	18.60	1.0000	18.60	_____
TOTAL FIXED EXPENSES				58.70	_____
TOTAL SPECIFIED EXPENSES				333.15	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Corn, Furrow Irrigated, Loamy Soils, 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'	180	0.082	1.00	Nov	1.39	1.38	0.44	1.17	0.098	0.61				4.99
Chisel plow	21'	180	0.092	1.00	Feb	1.56	1.55	0.17	0.39	0.110	0.69				4.35
Cstm ap grd fert dry	acre			1.00	Mar							1.0000	4.50	4.50	4.50
9-23-30	lb											350.0000	0.11	36.75	36.75
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.39	1.38	0.44	1.17	0.098	0.61				4.99
Disk bedder, 8r@30"	20'	180	0.088	1.00	Mar	1.49	1.48	0.16	0.38	0.106	0.66				4.16
Bed conditioner	26.67'	180	0.052	1.00	Apr	0.88	0.87	0.19	0.46	0.062	0.39				2.79
Plntr hbox + granule	25.33'	180	0.100	1.00	Apr	1.69	1.68	0.95	1.77	0.230	1.43			*	7.53
Corn seed	ths											28.0000	1.15	32.20	32.20
Force 1.5G	lb											8.7000	1.97	17.14	17.14
Atrazine 4L	pint											1.2500	1.25	1.56	1.56
Basis Gold	oz											14.0000	1.00	14.00	14.00
Water tank	1000 gal	170	0.131	0.15	Apr	0.17	0.14	0.02	0.03	0.024	0.15				0.50
Cstm ap grd herbicid	acre			1.00	Apr							1.0000	4.50	4.50	4.50
Basis Gold	oz											14.0000	1.00	14.00	14.00
Row cult 8r@30"	20'	145	0.129	1.00	May	1.65	1.53	0.30	0.57	0.155	0.96				5.01
Cstm ap grd fert liq	acre			1.00	Jun							1.0000	4.50	4.50	4.50
Liquid Nitrogen 32%	lb											550.0000	0.06	30.80	30.80
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun			2.53	4.65	0.450	2.80	3.0000			9.98
Furrow irrigation	ac in			1.00	Jul			2.53	4.65	0.450	2.80	3.0000			9.98
Furrow irrigation	ac in			1.00	Aug			2.53	4.65	0.450	2.80	3.0000			9.98
Furrow irrigation	ac in			1.00	Aug			2.53	4.65	0.450	2.80	3.0000			9.98
Combine, corn 8row	20'		0.248	1.00	Sep			8.32	21.62	0.283	1.76				31.70
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	1.39	1.38	0.44	1.17	0.098	0.61				4.99
TOTALS						11.61	11.39	21.53	47.31	3.065	19.10			213.70	324.64
INTEREST ON OPERATING CAPITAL															8.51
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															333.15

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**Corn, Furrow Irrigated, Loamy Soils,
 Roundup Ready, 2000**

Ag-586-02-00

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Corn seed - RR	ths	1.44	28.0000	40.32	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.50	1.0000	4.50	_____
Cstm ap grd herbicid	acre	4.50	2.0000	9.00	_____
Cstm ap grd fert liq	acre	4.50	1.0000	4.50	_____
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	36.75	_____
Liquid Nitrogen 32%	lb	0.06	550.0000	30.80	_____
HERBICIDES					
Roundup Ultra	pint	4.44	4.0000	17.76	_____
Atrazine 4L	pint	1.25	2.0000	2.50	_____
INSECTICIDES					
Force 1.5G	lb	1.97	8.7000	17.14	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.23	0.9196	5.73	_____
Self-Propelled Eq.	hour	6.23	0.2832	1.76	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.23	1.8000	11.21	_____
DIESEL FUEL					
Tractors	gal	0.60	7.5046	4.50	_____
Self-Propelled Eq.	gal	0.60	3.4630	2.08	_____
Furrow irrigation	gal	0.60	11.0400	6.62	_____
REPAIR & MAINTENANCE					
Implements	acre	2.92	1.0000	2.92	_____
Tractors	acre	6.23	1.0000	6.23	_____
Self-Propelled Eq.	acre	6.24	1.0000	6.24	_____
Furrow irrigation	acre	3.48	1.0000	3.48	_____
INTEREST ON OP. CAP.	acre	8.64	1.0000	8.64	_____
TOTAL DIRECT EXPENSES				270.05	_____
FIXED EXPENSES					
Implements	acre	6.64	1.0000	6.64	_____
Tractors	acre	10.52	1.0000	10.52	_____
Self-Propelled Eq.	acre	21.62	1.0000	21.62	_____
Furrow irrigation	acre	18.60	1.0000	18.60	_____
TOTAL FIXED EXPENSES				57.37	_____
TOTAL SPECIFIED EXPENSES				327.41	_____

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Table 1 Estimated resource use and costs for field operations, per acre, Corn, Furrow Irrigated, Loamy Soil
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'	180	0.082	1.00	Nov	1.39	1.38	0.44	1.17	0.098	0.61				4.99
Chisel plow	21'	180	0.092	1.00	Feb	1.56	1.55	0.17	0.39	0.110	0.69				4.35
Cstm ap grd fert dry acre				1.00	Mar							1.0000	4.50	4.50	4.50
9-23-30	lb											350.0000	0.11	36.75	36.75
Disk, medium cut	26.41'	180	0.082	1.00	Mar	1.39	1.38	0.44	1.17	0.098	0.61				4.99
Cstm ap grd herbicid acre				1.00	Mar							1.0000	4.50	4.50	4.50
Roundup Ultra	pint											2.0000	4.44	8.88	8.88
Disk bedder, 8r@30"	20'	180	0.088	1.00	Mar	1.49	1.48	0.16	0.38	0.106	0.66				4.16
Plntr hbox + granule	25.33'	180	0.100	1.00	Apr	1.69	1.68	0.95	1.77	0.230	1.43				7.53
Corn seed - RR	ths											28.0000	1.44	40.32	40.32
Force 1.5G	lb											8.7000	1.97	17.14	17.14
Water tank	1000 gal	170	0.131	0.15	Apr	0.17	0.14	0.02	0.03	0.024	0.15				0.50
Cstm ap grd herbicid acre				1.00	Apr							1.0000	4.50	4.50	4.50
Roundup Ultra	pint											2.0000	4.44	8.88	8.88
Atrazine 4L	pint											2.0000	1.25	2.50	2.50
Row cult 8r@30"	20'	145	0.129	1.00	May	1.65	1.53	0.30	0.57	0.155	0.96				5.01
Cstm ap grd fert liq acre				1.00	Jun							1.0000	4.50	4.50	4.50
Liquid Nitrogen 32%	lb											550.0000	0.06	30.80	30.80
Flex irrigation tube acre				1.00	Jun							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jun			2.53	4.65	0.450	2.80	3.0000			9.98
Furrow irrigation	ac in			1.00	Jul			2.53	4.65	0.450	2.80	3.0000			9.98
Furrow irrigation	ac in			1.00	Aug			2.53	4.65	0.450	2.80	3.0000			9.98
Furrow irrigation	ac in			1.00	Aug			2.53	4.65	0.450	2.80	3.0000			9.98
Combine, corn 8row	20'		0.248	1.00	Sep			8.32	21.62	0.283	1.76				31.70
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'	180	0.082	1.00	Sep	1.39	1.38	0.44	1.17	0.098	0.61				4.99
TOTALS						10.73	10.52	21.34	46.85	3.003	18.71			210.62	318.77
INTEREST ON OPERATING CAPITAL															8.64
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															327.41

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