

Estimating 2004 Costs of Production

Soybeans, Border Irrigated Following Rice, Loamy Soils, Roundup Ready

AG-785-12-03

Tony E. Windham, Extension Economist - Management
James Marshall, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Soybean seed-RR	lb	0.48	45.0000	21.60	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd herbicid	acre	4.00	2.0000	8.00	_____
Custom haul	bu	0.15	45.0000	6.75	_____
FERTILIZER & LIME					
0-18-36	lb	0.09	200.0000	18.00	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.11	0.7500	1.58	_____
HERBICIDES					
Glyphosate	pint	3.22	3.0000	9.66	_____
Classic	oz	12.07	0.2500	3.01	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.70	0.2214	1.48	_____
Tractors	hour	6.70	0.5050	3.38	_____
Self-Propelled Eq.	hour	6.70	0.2075	1.39	_____
IRRIGATION LABOR					
Border Irrigation	hour	6.70	0.1800	1.20	_____
DIESEL FUEL					
Tractors	gal	0.90	4.7951	4.31	_____
Self-Propelled Eq.	gal	0.90	1.7098	1.53	_____
Border Irrigation	gal	0.90	9.0000	8.10	_____
REPAIR & MAINTENANCE					
Implements	acre	1.40	1.0000	1.40	_____
Tractors	acre	3.52	1.0000	3.52	_____
Self-Propelled Eq.	acre	3.37	1.0000	3.37	_____
Border Irrigation	ac in	0.21	9.0000	1.93	_____
INTEREST ON OP. CAP.	acre	2.63	1.0000	2.63	_____
TOTAL DIRECT EXPENSES				112.65	_____
FIXED EXPENSES					
Implements	acre	2.85	1.0000	2.85	_____
Tractors	acre	7.92	1.0000	7.92	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____
Border Irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				38.43	_____
TOTAL SPECIFIED EXPENSES				151.08	_____

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Table 2. Estimated resource use and costs for field operations per acre, Soybeans, Border Irrigated Following Rice, Loamy Soils, Roundup Ready, 2004

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	0.00	Apr											
Land float	16'x 56'	MFWD190	0.138	2.00	Apr	4.95	5.13	0.18	0.70	0.358	2.40					13.38
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.00	4.00		4.00
0-18-36	lb											200.0000	0.09	18.00		18.00
Triple K	26.67'	MFWD190	0.052	1.00	May	0.93	0.96	0.26	0.55	0.067	0.45					3.17
Water tank	1000 gal	170	0.131	0.12	May	0.18	0.10	0.01	0.02	0.003	0.02					0.33
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	1.55	1.51	0.80	1.35	0.276	1.84					7.07
Soybean seed-RR	lb											45.0000	0.48	21.60		21.60
Vitavax-Moly	bu											0.7500	2.11	1.58		1.58
Ditcher, rear mount	3'	2WD 150	1.618	0.01	May	0.21	0.21	0.12	0.21	0.021	0.14					0.91
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.00	4.00		4.00
Glyphosate	pint											1.5000	3.22	4.83		4.83
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00		4.00
Glyphosate	pint											1.5000	3.22	4.83		4.83
Classic	oz											0.2500	12.07	3.01		3.01
Flex irrigation tube	acre			1.00	Jul							1.0000	5.75	5.75		5.75
Border Irrigation	ac in			0.00	Jul											16.33
Border Irrigation	ac in			1.00	Jul			3.34		0.060	0.40	3.0000				3.74
Border Irrigation	ac in			1.00	Aug			3.34		0.060	0.40	3.0000				3.74
Border Irrigation	ac in			1.00	Aug			3.34		0.060	0.40	3.0000				3.74
Combine 4WD Soybean	25'		0.166	1.00	Oct			4.91	11.32	0.207	1.39					17.63
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75		6.75
TOTALS						7.84	7.92	16.35	30.50	1.114	7.46			78.36		148.45
INTEREST ON OPERATING CAPITAL																2.63
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																151.08

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Estimating 2004 Costs of Production

Soybeans, Border Irrigated Following Wheat, Loamy Soils, Roundup Ready

AG-786-12-03

Tony E. Windham, Extension Economist - Management
James Marshall, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Soybean seed-RR	lb	0.48	60.0000	28.80	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd herbicid	acre	4.00	2.0000	8.00	_____
Custom haul	bu	0.15	45.0000	6.75	_____
FERTILIZER & LIME					
0-20-30	lb	0.09	150.0000	13.50	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.11	1.0000	2.11	_____
HERBICIDES					
Glyphosate	pint	3.22	3.0000	9.66	_____
Classic	oz	12.07	0.2500	3.01	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.70	0.1915	1.28	_____
Tractors	hour	6.70	0.3396	2.27	_____
Self-Propelled Eq.	hour	6.70	0.2075	1.39	_____
IRRIGATION LABOR					
Border Irrigation	hour	6.70	0.2400	1.60	_____
DIESEL FUEL					
Tractors	gal	0.90	3.0195	2.71	_____
Self-Propelled Eq.	gal	0.90	1.7098	1.53	_____
Border Irrigation	gal	0.90	12.0000	10.80	_____
REPAIR & MAINTENANCE					
Implements	acre	1.75	1.0000	1.75	_____
Tractors	acre	2.24	1.0000	2.24	_____
Self-Propelled Eq.	acre	3.37	1.0000	3.37	_____
Border Irrigation	ac in	0.21	12.0000	2.58	_____
INTEREST ON OP. CAP.	acre	1.93	1.0000	1.93	_____
TOTAL DIRECT EXPENSES				115.08	_____
FIXED EXPENSES					
Implements	acre	3.71	1.0000	3.71	_____
Tractors	acre	5.03	1.0000	5.03	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____
Border Irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				36.40	_____
TOTAL SPECIFIED EXPENSES				151.49	_____

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Table 2. Estimated resource use and costs for field operations per acre, Soybeans, Border Irrigated Following Wheat, Loamy Soils, Roundup Ready, 2004

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-----			
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	4.00	4.00	4.00
0-20-30	lb											150.0000	0.09	13.50	13.50
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Jun	1.47	1.52	0.44	1.01	0.106	0.71				5.17
Field cultivator	29.58'	MFWD190	0.047	1.00	Jun	0.84	0.87	0.21	0.44	0.061	0.40				2.78
Triple K	26.67'	MFWD190	0.052	1.00	Jun	0.93	0.96	0.26	0.55	0.067	0.45				3.17
Grain drill	20'	2WD 150	0.118	1.00	Jun	1.59	1.55	0.82	1.66	0.283	1.89				7.52
Soybean seed-RR	lb											60.0000	0.48	28.80	28.80
Vitavax-Moly	bu											1.0000	2.11	2.11	2.11
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	3.22	4.83	4.83
Border levee-build	6'	2WD 130	0.196	0.05	Jul	0.11	0.11	0.01	0.03	0.012	0.08				0.36
Cstm ap grd herbicid	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	3.22	4.83	4.83
Classic	oz											0.2500	12.07	3.01	3.01
Flex irrigation tube	acre			1.00	Jul							1.0000	5.75	5.75	5.75
Border Irrigation	ac in			1.00	Jul			3.34	16.33	0.060	0.40	3.0000			20.07
Border Irrigation	ac in			1.00	Jul			3.34		0.060	0.40	3.0000			3.74
Border Irrigation	ac in			1.00	Aug			3.34		0.060	0.40	3.0000			3.74
Border Irrigation	ac in			1.00	Aug			3.34		0.060	0.40	3.0000			3.74
Combine 4WD Soybean	25'		0.166	1.00	Oct			4.91	11.32	0.207	1.39				17.63
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						4.95	5.03	20.05	31.37	0.978	6.55			81.58	149.56
INTEREST ON OPERATING CAPITAL															1.93
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															151.49

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Estimating 2004 Costs of Production

**Soybeans, Center Pivot Irrigated, No-Till
 Following Wheat, Clay & Mixed Soils**

AG-787-12-03

Tony E. Windham, Extension Economist - Management
James Marshall, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Soybean seed-private	lb	0.32	60.0000	19.20	_____
CUSTOM WORK					
Cstm ap grd herbicid	acre	4.00	2.0000	8.00	_____
Custom haul	bu	0.15	45.0000	6.75	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.11	1.0000	2.11	_____
HERBICIDES					
Gramoxone Extra	pint	4.91	1.5000	7.36	_____
Canopy XL	oz	1.85	3.0000	5.55	_____
Surfactant SL(80-20)	pint	1.15	0.5000	0.57	_____
Storm	pint	10.20	1.5000	15.30	_____
OPERATOR LABOR					
Implements	hour	6.70	0.1534	1.02	_____
Tractors	hour	6.70	0.1298	0.86	_____
Self-Propelled Eq.	hour	6.70	0.2075	1.39	_____
IRRIGATION LABOR					
Center pivot irrg.	hour	6.70	0.0560	0.37	_____
DIESEL FUEL					
Tractors	gal	0.90	1.2682	1.14	_____
Self-Propelled Eq.	gal	0.90	1.7098	1.53	_____
Center pivot irrg.	gal	0.90	14.0000	12.60	_____
REPAIR & MAINTENANCE					
Implements	acre	2.30	1.0000	2.30	_____
Tractors	acre	0.97	1.0000	0.97	_____
Self-Propelled Eq.	acre	3.37	1.0000	3.37	_____
Center pivot irrg.	ac in	0.86	7.0000	6.04	_____
INTEREST ON OP. CAP.	acre	1.93	1.0000	1.93	_____

TOTAL DIRECT EXPENSES				98.41	_____
FIXED EXPENSES					
Implements	acre	4.66	1.0000	4.66	_____
Tractors	acre	2.19	1.0000	2.19	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____
Center pivot irrg.	acre	51.03	1.0000	51.03	_____

TOTAL FIXED EXPENSES				69.21	_____

TOTAL SPECIFIED EXPENSES				167.63	_____

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Table 2. Estimated resource use and costs for field operations per acre, Soybeans, Center Pivot Irrigated, No-till Following Wheat, Clay and Mixed Soils, 2004

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-----			
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Gramoxone Extra	pint											1.5000	4.91	7.36	7.36
Canopy XL	oz											3.0000	1.85	5.55	5.55
Surfactant SL(80-20)	pint											0.2500	1.15	0.28	0.28
Grain drill, no-till	20'	MFWD190	0.118	1.00	Jun	2.11	2.19	2.30	4.66	0.283	1.89				13.17
Soybean seed-private	lb											60.0000	0.32	19.20	19.20
Vitavax-Moly	bu											1.0000	2.11	2.11	2.11
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Storm	pint											1.5000	10.20	15.30	15.30
Surfactant SL(80-20)	pint											0.2500	1.15	0.28	0.28
Center pivot irrg.	ac in			1.00	Jun			2.66	51.03	0.008	0.05	1.0000			53.74
Center pivot irrg.	ac in			1.00	Jul			2.66		0.008	0.05	1.0000			2.71
Center pivot irrg.	ac in			1.00	Jul			2.66		0.008	0.05	1.0000			2.71
Center pivot irrg.	ac in			1.00	Jul			2.66		0.008	0.05	1.0000			2.71
Center pivot irrg.	ac in			1.00	Aug			2.66		0.008	0.05	1.0000			2.71
Center pivot irrg.	ac in			1.00	Aug			2.66		0.008	0.05	1.0000			2.71
Center pivot irrg.	ac in			1.00	Sep			2.66		0.008	0.05	1.0000			2.71
Combine 4WD Soybean	25'		0.166	1.00	Oct			4.91	11.32	0.207	1.39				17.63
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						2.11	2.19	25.85	67.01	0.546	3.66			64.85	165.70
INTEREST ON OPERATING CAPITAL															1.93
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															167.63

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Estimating 2004 Costs of Production

**Soybeans, Early Season Non-Irrigated,
Loamy Soils, Roundup Ready**

AG-788-12-03

Tony E. Windham, Extension Economist - Management
James Marshall, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Soybean seed-RR	lb	0.48	60.0000	28.80	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd herbicid	acre	4.00	2.0000	8.00	_____
Cstm ap air insectic	acre	4.50	1.0000	4.50	_____
Custom haul	bu	0.15	25.0000	3.75	_____
FERTILIZER & LIME					
0-18-36	lb	0.09	200.0000	18.00	_____
FUNGICIDE & SEED TR.					
Apron XL	oz	7.85	0.3000	2.35	_____
Vitavax-Moly	bu	2.11	1.0000	2.11	_____
HERBICIDES					
Glyphosate	pint	3.22	3.0000	9.66	_____
Classic	oz	12.07	0.2500	3.01	_____
INSECTICIDES					
Methyl Parathion 4EC	pint	3.61	1.0000	3.61	_____
OPERATOR LABOR					
Implements	hour	6.70	0.1630	1.09	_____
Tractors	hour	6.70	0.3099	2.07	_____
Self-Propelled Eq.	hour	6.70	0.2075	1.39	_____
DIESEL FUEL					
Tractors	gal	0.90	2.8013	2.52	_____
Self-Propelled Eq.	gal	0.90	1.7098	1.53	_____
REPAIR & MAINTENANCE					
Implements	acre	2.18	1.0000	2.18	_____
Tractors	acre	2.08	1.0000	2.08	_____
Self-Propelled Eq.	acre	3.37	1.0000	3.37	_____
INTEREST ON OP. CAP.	acre	3.02	1.0000	3.02	_____
TOTAL DIRECT EXPENSES				107.10	_____
FIXED EXPENSES					
Implements	acre	4.15	1.0000	4.15	_____
Tractors	acre	4.69	1.0000	4.69	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____
TOTAL FIXED EXPENSES				20.17	_____
TOTAL SPECIFIED EXPENSES				127.27	_____

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Table 2. Estimated resource use and costs for field operations per acre, Soybeans, Early Season Non-Irrigated, Loamy Soils, Roundup Ready, 2004

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	Apr	1.47	1.52	0.44	1.01	0.106	0.71					5.17
Field cultivator	29.58'	MFWD190	0.047	1.00	Apr	0.84	0.87	0.21	0.44	0.061	0.40					2.78
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00		4.00
0-18-36	lb											200.0000	0.09	18.00		18.00
Triple K	26.67'	MFWD190	0.052	1.00	Apr	0.93	0.96	0.26	0.55	0.067	0.45					3.17
Planter nar 13r@19"	23.75'	2WD 150	0.097	1.00	Apr	1.30	1.27	1.26	2.11	0.232	1.55					7.52
Soybean seed-RR	lb											60.0000	0.48	28.80		28.80
Apron XL	oz											0.3000	7.85	2.35		2.35
Vitavax-Moly	bu											1.0000	2.11	2.11		2.11
Furrow ditcher	8'	2WD 150	0.380	0.01	Apr	0.05	0.04	0.00	0.01	0.004	0.03					0.15
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.00	4.00		4.00
Glyphosate	pint											1.5000	3.22	4.83		4.83
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00		4.00
Glyphosate	pint											1.5000	3.22	4.83		4.83
Classic	oz											0.2500	12.07	3.01		3.01
Cstm ap air insectic	acre			1.00	Jul							1.0000	4.50	4.50		4.50
Methyl Parathion 4EC	pint											1.0000	3.61	3.61		3.61
Combine 4WD Soybean	25'		0.166	1.00	Aug			4.91	11.32	0.207	1.39					17.63
Custom haul	bu			1.00	Aug							25.0000	0.15	3.75		3.75
TOTALS						4.61	4.69	7.10	15.48	0.680	4.55			87.80		124.24
INTEREST ON OPERATING CAPITAL																3.02
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																127.27

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Estimating 2004 Costs of Production

Soybeans, Flood Irrigated Following Rice, Loamy Soils

AG-789-12-03

Tony E. Windham, Extension Economist - Management
James Marshall, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Soybean seed-private	lb	0.32	45.0000	14.40	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm lsr surv soy&gs	acre	1.25	1.0000	1.25	_____
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Custom haul	bu	0.15	45.0000	6.75	_____
FERTILIZER & LIME					
0-18-36	lb	0.09	200.0000	18.00	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.11	0.7500	1.58	_____
HERBICIDES					
Dual 8E	pint	7.49	2.0000	14.98	_____
Canopy XL	oz	1.85	3.0000	5.55	_____
Typhoon	pint	5.82	3.6000	20.95	_____
Surfactant SL(80-20)	pint	1.15	0.4000	0.46	_____
Select	pint	23.04	0.2500	5.76	_____
OPERATOR LABOR					
Implements	hour	6.70	0.4427	2.96	_____
Tractors	hour	6.70	1.3619	9.12	_____
Self-Propelled Eq.	hour	6.70	0.2075	1.39	_____
IRRIGATION LABOR					
Flood irrig	hour	6.70	0.1300	0.87	_____
DIESEL FUEL					
Tractors	gal	0.90	11.8278	10.64	_____
Self-Propelled Eq.	gal	0.90	1.7098	1.53	_____
Flood irrig	gal	0.90	13.0000	11.70	_____
REPAIR & MAINTENANCE					
Implements	acre	3.36	1.0000	3.36	_____
Tractors	acre	8.49	1.0000	8.49	_____
Self-Propelled Eq.	acre	3.37	1.0000	3.37	_____
Flood irrig	ac-in	0.21	13.0000	2.79	_____
INTEREST ON OP. CAP.	acre	3.57	1.0000	3.57	_____
TOTAL DIRECT EXPENSES				158.02	_____
FIXED EXPENSES					
Implements	acre	7.04	1.0000	7.04	_____
Tractors	acre	19.09	1.0000	19.09	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____
Flood irrig	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				53.79	_____
TOTAL SPECIFIED EXPENSES				211.82	_____

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Table 2. Estimated resource use and costs for field operations per acre, Soybeans, Flood Irrigated Following Rice, Loamy Soils, 2004

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	2.00	Apr	2.94	3.05	0.88	2.03	0.213	1.42					10.34
Land float	16'x 56'	MFWD190	0.138	2.00	Apr	4.95	5.13	0.18	0.70	0.358	2.40					13.38
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.00	4.00		4.00
0-18-36	lb											200.0000	0.09	18.00		18.00
Triple K w/ sprayer	26.67'	MFWD190	0.086	1.00	May	1.54	1.59	0.49	0.90	0.137	0.92					5.46
Dual 8E	pint											2.0000	7.49	14.98		14.98
Canopy XL	oz											3.0000	1.85	5.55		5.55
Water tank	1000 gal	170	0.131	0.12	May	0.18	0.10	0.01	0.02	0.003	0.02					0.33
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	1.55	1.51	0.80	1.35	0.276	1.84					7.07
Soybean seed-private	lb											45.0000	0.32	14.40		14.40
Vitavax-Moly	bu											0.7500	2.11	1.58		1.58
Ditcher, rear mount	3'	2WD 150	1.618	0.01	May	0.21	0.21	0.12	0.21	0.021	0.14					0.91
Sprayer, dir 8r@30"	20'	2WD 150	0.127	1.00	Jun	1.71	1.66	0.15	0.33	0.203	1.36					5.23
Typhoon	pint											3.6000	5.82	20.95		20.95
Surfactant SL(80-20)	pint											0.4000	1.15	0.46		0.46
Water tank	1000 gal	170	0.131	0.06	Jun	0.09	0.05	0.00	0.01	0.001	0.01					0.16
Cstm lsr surv soy&gs	acre			1.00	Jun							1.0000	1.25	1.25		1.25
Row cult 8r@30"	20'	2WD 150	0.129	1.00	Jun	1.74	1.69	0.29	0.49	0.167	1.12					5.35
Levee disk-build	9'	2WD 170	0.196	0.15	Jul	0.44	0.43	0.05	0.11	0.038	0.25					1.29
Blade, rear mount	8'	2WD 105	0.645	0.05	Jul	0.30	0.29	0.01	0.05	0.041	0.28					0.94
Flood irrig	ac-in			1.00	Jul			4.46	16.33	0.040	0.26	4.0000				21.05
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.29	0.28	0.03	0.07	0.025	0.17					0.86
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.44	0.43	0.05	0.11	0.038	0.25					1.29
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.30	0.29	0.01	0.05	0.041	0.28					0.94
Cstm ap air herbicid	acre			1.00	Aug							1.0000	4.50	4.50		4.50
Select	pint											0.2500	23.04	5.76		5.76
Flood irrig	ac-in			1.00	Aug			3.34		0.030	0.20	3.0000				3.54
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.29	0.28	0.03	0.07	0.025	0.17					0.86
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.44	0.43	0.05	0.11	0.038	0.25					1.29
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.30	0.29	0.01	0.05	0.041	0.28					0.94
Flood irrig	ac-in			1.00	Aug			3.34		0.030	0.20	3.0000				3.54
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Sep	0.29	0.28	0.03	0.07	0.025	0.17					0.86
Levee disk-build	9'	2WD 170	0.196	0.15	Sep	0.44	0.43	0.05	0.11	0.038	0.25					1.29
Blade, rear mount	8'	2WD 105	0.645	0.05	Sep	0.30	0.29	0.01	0.05	0.041	0.28					0.94
Flood irrig	ac-in			1.00	Sep			3.34		0.030	0.20	3.0000				3.54
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Sep	0.29	0.28	0.03	0.07	0.025	0.17					0.86
Combine 4WD Soybean	25'		0.166	1.00	Oct			4.91	11.32	0.207	1.39					17.63
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75		6.75
TOTALS						19.14	19.09	22.76	34.70	2.142	14.35			98.18		208.24
INTEREST ON OPERATING CAPITAL																3.57
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																211.82

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Estimating 2004 Costs of Production

Soybeans, Flood Irrigated Following Wheat, Loamy Soils

AG-790-12-03

Tony E. Windham, Extension Economist - Management
James Marshall, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Soybean seed-private	lb	0.32	45.0000	14.40	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm lsr surv soy&gs	acre	1.25	1.0000	1.25	_____
Custom haul	bu	0.15	45.0000	6.75	_____
FERTILIZER & LIME					
0-20-30	lb	0.09	150.0000	13.50	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.11	0.7500	1.58	_____
HERBICIDES					
Boundary	pt	9.53	1.5000	14.29	_____
Typhoon	pint	5.82	3.6000	20.95	_____
Surfactant SL(80-20)	pint	1.15	0.1250	0.14	_____
OPERATOR LABOR					
Implements	hour	6.70	0.3131	2.09	_____
Tractors	hour	6.70	0.7521	5.03	_____
Self-Propelled Eq.	hour	6.70	0.2075	1.39	_____
IRRIGATION LABOR					
Flood irrig	hour	6.70	0.1000	0.67	_____
DIESEL FUEL					
Tractors	gal	0.90	6.4448	5.80	_____
Self-Propelled Eq.	gal	0.90	1.7098	1.53	_____
Flood irrig	gal	0.90	10.0000	9.00	_____
REPAIR & MAINTENANCE					
Implements	acre	2.41	1.0000	2.41	_____
Tractors	acre	4.61	1.0000	4.61	_____
Self-Propelled Eq.	acre	3.37	1.0000	3.37	_____
Flood irrig	ac-in	0.21	10.0000	2.15	_____
INTEREST ON OP. CAP.	acre	1.99	1.0000	1.99	_____
TOTAL DIRECT EXPENSES				116.96	_____
FIXED EXPENSES					
Implements	acre	5.09	1.0000	5.09	_____
Tractors	acre	10.37	1.0000	10.37	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____
Flood irrig	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				43.12	_____
TOTAL SPECIFIED EXPENSES				160.09	_____

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Table 2. Estimated resource use and costs for field operations per acre, Soybeans, Flood Irrigated Following Wheat, Loamy Soils, 2004

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-----			
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	4.00	4.00	4.00
0-20-30	lb											150.0000	0.09	13.50	13.50
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Jun	1.47	1.52	0.44	1.01	0.106	0.71				5.17
Field cultivator	29.58'	MFWD190	0.047	1.00	Jun	0.84	0.87	0.21	0.44	0.061	0.40				2.78
Triple K w/ sprayer	26.67'	MFWD190	0.086	1.00	Jun	1.54	1.59	0.49	0.90	0.137	0.92				5.46
Boundary	pt											1.5000	9.53	14.29	14.29
Water tank	1000 gal	170	0.131	0.12	Jun	0.18	0.10	0.01	0.02	0.003	0.02				0.33
Grain drill	24'	MFWD 150	0.098	1.00	Jun	1.41	1.50	0.80	1.63	0.235	1.57				6.93
Soybean seed-private	lb											45.0000	0.32	14.40	14.40
Vitavax-Moly	bu											0.7500	2.11	1.58	1.58
Sprayer, dir 8r@30"	20'	2WD 150	0.127	1.00	Jun	1.71	1.66	0.15	0.33	0.203	1.36				5.23
Typhoon	pint											3.6000	5.82	20.95	20.95
Surfactant SL(80-20)	pint											0.1250	1.15	0.14	0.14
Water tank	1000 gal	170	0.131	0.06	Jun	0.09	0.05	0.00	0.01	0.001	0.01				0.16
Cstm lsr surv soy&gs	acre			1.00	Jul							1.0000	1.25	1.25	1.25
Levee disk-build	9'	2WD 170	0.196	0.15	Jul	0.44	0.43	0.05	0.11	0.038	0.25				1.29
Blade, rear mount	8'	2WD 105	0.645	0.05	Jul	0.30	0.29	0.01	0.05	0.041	0.28				0.94
Flood irrig	ac-in			1.00	Jul			4.46	16.33	0.040	0.26	4.0000			21.05
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.29	0.28	0.03	0.07	0.025	0.17				0.86
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.44	0.43	0.05	0.11	0.038	0.25				1.29
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.30	0.29	0.01	0.05	0.041	0.28				0.94
Flood irrig	ac-in			1.00	Aug			3.34		0.030	0.20	3.0000			3.54
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.29	0.28	0.03	0.07	0.025	0.17				0.86
Levee disk-build	9'	2WD 170	0.196	0.15	Sep	0.44	0.43	0.05	0.11	0.038	0.25				1.29
Blade, rear mount	8'	2WD 105	0.645	0.05	Sep	0.30	0.29	0.01	0.05	0.041	0.28				0.94
Flood irrig	ac-in			1.00	Sep			3.34		0.030	0.20	3.0000			3.54
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Oct	0.29	0.28	0.03	0.07	0.025	0.17				0.86
Combine 4WD Soybean	25'		0.166	1.00	Oct			4.91	11.32	0.207	1.39				17.63
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						10.41	10.37	18.48	32.74	1.372	9.19			76.87	158.09
INTEREST ON OPERATING CAPITAL															1.99
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															160.09

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Estimating 2004 Costs of Production

**Soybeans, Flood Irrigated, No-Till Following
Wheat, Roundup Ready, Loamy Soils**

AG-791-12-03

Tony E. Windham, Extension Economist - Management
James Marshall, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Soybean seed-RR	lb	0.48	55.0000	26.40	_____
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 lsr surv soy&gs	acre	1.25	1.0000	1.25	_____
Custom haul	bu	0.15	45.0000	6.75	_____
FERTILIZER & LIME					
0-20-30	lb	0.09	150.0000	13.50	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.11	0.9200	1.94	_____
HERBICIDES					
Glyphosate	pint	3.22	3.0000	9.66	_____
Classic	oz	12.07	0.2500	3.01	_____
OPERATOR LABOR					
Implements	hour	6.70	0.2560	1.71	_____
Tractors	hour	6.70	0.5202	3.48	_____
Self-Propelled Eq.	hour	6.70	0.2075	1.39	_____
IRRIGATION LABOR					
Flood irrig	hour	6.70	0.0800	0.53	_____
DIESEL FUEL					
Tractors	gal	0.90	4.3577	3.92	_____
Self-Propelled Eq.	gal	0.90	1.7098	1.53	_____
Flood irrig	gal	0.90	8.0000	7.20	_____
REPAIR & MAINTENANCE					
Implements	acre	2.89	1.0000	2.89	_____
Tractors	acre	3.03	1.0000	3.03	_____
Self-Propelled Eq.	acre	3.37	1.0000	3.37	_____
Flood irrig	ac-in	0.21	8.0000	1.72	_____
INTEREST ON OP. CAP.	acre	1.69	1.0000	1.69	_____
TOTAL DIRECT EXPENSES				103.02	_____
FIXED EXPENSES					
Implements	acre	5.97	1.0000	5.97	_____
Tractors	acre	6.81	1.0000	6.81	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____
Flood irrig	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				40.43	_____
TOTAL SPECIFIED EXPENSES				143.46	_____

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Table 2. Estimated resource use and costs for field operations per acre, Soybeans, Flood Irrigated, No-Till Following Wheat, Roundup Ready, Loamy Soils, 2004

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-----			
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	4.00	4.00	4.00
0-20-30	lb											150.0000	0.09	13.50	13.50
Sprayer, broadcast	26.67'	2WD 150	0.095	1.00	Jun	1.28	1.24	0.16	0.35	0.152	1.01				4.06
Glyphosate	pint											1.5000	3.22	4.83	4.83
Water tank	1000 gal	170	0.131	0.12	Jun	0.18	0.10	0.01	0.02	0.003	0.02				0.33
Grain drill, no-till	20'	MFWD190	0.118	1.00	Jun	2.11	2.19	2.30	4.66	0.283	1.89				13.17
Soybean seed-RR	lb											55.0000	0.48	26.40	26.40
Vitavax-Moly	bu											0.9200	2.11	1.94	1.94
Ditcher, rear mount	3'	2WD 150	1.618	0.01	Jun	0.21	0.21	0.12	0.21	0.021	0.14				0.91
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	3.22	4.83	4.83
Classic	oz											0.2500	12.07	3.01	3.01
Cstm lsr surv soy&gs	acre			1.00	Jun							1.0000	1.25	1.25	1.25
Levee disk-build	9'	2WD 170	0.196	0.15	Jul	0.44	0.43	0.05	0.11	0.038	0.25				1.29
Blade, rear mount	8'	2WD 105	0.645	0.05	Jul	0.30	0.29	0.01	0.05	0.041	0.28				0.94
Flood irrig	ac-in			1.00	Jul				3.34	16.33	0.030	0.20	3.0000		19.87
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.29	0.28	0.03	0.07	0.025	0.17				0.86
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.44	0.43	0.05	0.11	0.038	0.25				1.29
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.30	0.29	0.01	0.05	0.041	0.28				0.94
Flood irrig	ac-in			1.00	Aug				2.78		0.025	0.16	2.5000		2.95
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.29	0.28	0.03	0.07	0.025	0.17				0.86
Levee disk-build	9'	2WD 170	0.196	0.15	Sep	0.44	0.43	0.05	0.11	0.038	0.25				1.29
Blade, rear mount	8'	2WD 105	0.645	0.05	Sep	0.30	0.29	0.01	0.05	0.041	0.28				0.94
Flood irrig	ac-in			1.00	Sep				2.78		0.025	0.16	2.5000		2.95
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Oct	0.29	0.28	0.03	0.07	0.025	0.17				0.86
Combine 4WD Soybean	25'		0.166	1.00	Oct				4.91	11.32	0.207	1.39			17.63
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						6.95	6.81	16.72	33.62	1.063	7.12			70.51	141.76
INTEREST ON OPERATING CAPITAL															1.69
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															143.46

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Estimating 2004 Costs of Production

Soybeans, Furrow Irrigated, Mixed Soils

AG-792-12-03

Tony E. Windham, Extension Economist - Management

James Marshall, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Soybean seed-private	lb	0.32	50.0000	16.00	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Custom haul	bu	0.15	45.0000	6.75	_____
FERTILIZER & LIME					
0-18-36	lb	0.09	200.0000	18.00	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.11	0.8300	1.75	_____
HERBICIDES					
Canopy XL	oz	1.85	3.0000	5.55	_____
Boundary	pt	9.53	1.5000	14.29	_____
Typhoon	pint	5.82	3.6000	20.95	_____
Surfactant SL(80-20)	pint	1.15	0.4000	0.46	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	6.70	0.3523	2.36	_____
Tractors	hour	6.70	0.8646	5.79	_____
Self-Propelled Eq.	hour	6.70	0.2075	1.39	_____
IRRIGATION LABOR					
Furrow irrigation	hour	6.70	0.3750	2.51	_____
DIESEL FUEL					
Tractors	gal	0.90	7.5536	6.79	_____
Self-Propelled Eq.	gal	0.90	1.7098	1.53	_____
Furrow irrigation	gal	0.90	15.0000	13.50	_____
REPAIR & MAINTENANCE					
Implements	acre	2.68	1.0000	2.68	_____
Tractors	acre	5.36	1.0000	5.36	_____
Self-Propelled Eq.	acre	3.37	1.0000	3.37	_____
Furrow irrigation	ac in	0.21	15.0000	3.22	_____
INTEREST ON OP. CAP.	acre	3.32	1.0000	3.32	_____
TOTAL DIRECT EXPENSES				145.37	_____
FIXED EXPENSES					
Implements	acre	4.89	1.0000	4.89	_____
Tractors	acre	12.04	1.0000	12.04	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				44.60	_____
TOTAL SPECIFIED EXPENSES				189.97	_____

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Table 2. Estimated resource use and costs for field operations per acre, Soybeans, Furrow Irrigated, Mixed Soils, 2004

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-----				
Chisel plow	21'	MFWD190	0.092	1.00	Apr	1.65	1.71	0.17	0.33	0.119	0.80					4.66
Field cultivator	25.5'	MFWD190	0.054	2.00	May	1.93	2.00	0.40	0.85	0.140	0.94					6.14
Cstm ap grd fert dry	acre			1.00	May								1.0000	4.00	4.00	4.00
0-18-36	lb												200.0000	0.09	18.00	18.00
Triple K w/ sprayer	26.67'	MFWD190	0.086	1.00	May	1.54	1.59	0.49	0.90	0.137	0.92					5.46
Canopy XL	oz												3.0000	1.85	5.55	5.55
Boundary	pt												1.5000	9.53	14.29	14.29
Water tank	1000 gal	170	0.131	0.12	May	0.18	0.10	0.01	0.02	0.003	0.02					0.33
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	1.55	1.51	0.80	1.35	0.276	1.84					7.07
Soybean seed-private	lb												50.0000	0.32	16.00	16.00
Vitavax-Moly	bu												0.8300	2.11	1.75	1.75
Row cult 8r@30"	20'	2WD 150	0.129	1.00	Jun	1.74	1.69	0.29	0.49	0.167	1.12					5.35
Sprayer, broadcast	20'	2WD 150	0.127	1.00	Jun	1.71	1.66	0.19	0.41	0.203	1.36					5.35
Typhoon	pint												3.6000	5.82	20.95	20.95
Surfactant SL(80-20)	pint												0.4000	1.15	0.46	0.46
Water tank	1000 gal	170	0.131	0.06	Jun	0.09	0.05	0.00	0.01	0.001	0.01					0.16
Row cult 8r@30"	20'	2WD 150	0.129	1.00	Jun	1.74	1.69	0.29	0.49	0.167	1.12					5.35
Flex irrigation tube	acre			1.00	Jul								1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jul			3.34	16.33	0.075	0.50		3.0000			20.17
Furrow irrigation	ac in			1.00	Jul			3.34		0.075	0.50		3.0000			3.84
Furrow irrigation	ac in			1.00	Aug			3.34		0.075	0.50		3.0000			3.84
Furrow irrigation	ac in			1.00	Aug			3.34		0.075	0.50		3.0000			3.84
Furrow irrigation	ac in			1.00	Sep			3.34		0.075	0.50		3.0000			3.84
Combine 4WD Soybean	25'		0.166	1.00	Oct			4.91	11.32	0.207	1.39					17.63
Custom haul	bu			1.00	Oct								45.0000	0.15	6.75	6.75
TOTALS						12.15	12.04	24.32	32.55	1.799	12.05				93.50	186.65
INTEREST ON OPERATING CAPITAL																3.32
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																189.97

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Estimating 2004 Costs of Production

Soybeans, Non-Irrigated, No-Till Following Wheat, Roundup Ready, Mixed Soils

AG-793-12-03

Tony E. Windham, Extension Economist - Management
James Marshall, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Soybean seed-RR	lb	0.48	55.0000	26.40	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap grd herbicid	acre	4.00	2.0000	8.00	_____
Custom haul	bu	0.15	25.0000	3.75	_____
FERTILIZER & LIME					
0-20-30	lb	0.09	150.0000	13.50	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.11	0.9200	1.94	_____
HERBICIDES					
Glyphosate	pint	3.22	3.0000	9.66	_____
Classic	oz	12.07	0.2500	3.01	_____
OPERATOR LABOR					
Implements	hour	6.70	0.1534	1.02	_____
Tractors	hour	6.70	0.1298	0.86	_____
Self-Propelled Eq.	hour	6.70	0.2075	1.39	_____
DIESEL FUEL					
Tractors	gal	0.90	1.1357	1.02	_____
Self-Propelled Eq.	gal	0.90	1.7098	1.53	_____
REPAIR & MAINTENANCE					
Implements	acre	0.82	1.0000	0.82	_____
Tractors	acre	0.77	1.0000	0.77	_____
Self-Propelled Eq.	acre	3.37	1.0000	3.37	_____
INTEREST ON OP. CAP.	acre	1.35	1.0000	1.35	_____

TOTAL DIRECT EXPENSES				82.44	_____
FIXED EXPENSES					
Implements	acre	1.66	1.0000	1.66	_____
Tractors	acre	1.73	1.0000	1.73	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____

TOTAL FIXED EXPENSES				14.72	_____

TOTAL SPECIFIED EXPENSES				97.16	_____

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Table 2. Estimated resource use and costs for field operations per acre, Soybeans, Non-Irrigated, No-Till Following Wheat, Roundup Ready, Mixed Soils, 2004

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-----			
Cstm ap grd fert dry	acre			1.00	Oct							1.0000	4.00	4.00	4.00
0-20-30	lb											150.0000	0.09	13.50	13.50
Grain drill	20'	2WD 170	0.118	1.00	Jun	1.79	1.73	0.82	1.66	0.283	1.89				7.91
Soybean seed-RR	lb											55.0000	0.48	26.40	26.40
Vitavax-Moly	bu											0.9200	2.11	1.94	1.94
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	3.22	4.83	4.83
Cstm ap grd herbicid	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	3.22	4.83	4.83
Classic	oz											0.2500	12.07	3.01	3.01
Combine 4WD Soybean	25'		0.166	1.00	Oct			4.91	11.32	0.207	1.39				17.63
Custom haul	bu			1.00	Oct							25.0000	0.15	3.75	3.75
TOTALS						1.79	1.73	5.73	12.98	0.490	3.28			70.26	95.81
INTEREST ON OPERATING CAPITAL															1.35
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															97.16

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Estimating 2004 Costs of Production

Soybeans, Stale Seedbed, Non-Irrigated, Roundup Ready, Clay & Mixed Soils

AG-794-12-03

Tony E. Windham, Extension Economist - Management
James Marshall, Extension Economist

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Soybean seed-RR	lb	0.48	50.0000	24.00	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm ap air herbicid	acre	4.50	1.0000	4.50	_____
Cstm ap grd herbicid	acre	4.00	3.0000	12.00	_____
Custom haul	bu	0.15	25.0000	3.75	_____
FERTILIZER & LIME					
0-18-36	lb	0.09	150.0000	13.50	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.11	0.8300	1.75	_____
HERBICIDES					
Glyphosate	pint	3.22	6.0000	19.32	_____
OPERATOR LABOR					
Implements	hour	6.70	0.1568	1.05	_____
Tractors	hour	6.70	0.2758	1.84	_____
Self-Propelled Eq.	hour	6.70	0.2075	1.39	_____
DIESEL FUEL					
Tractors	gal	0.90	2.6870	2.41	_____
Self-Propelled Eq.	gal	0.90	1.7098	1.53	_____
REPAIR & MAINTENANCE					
Implements	acre	1.87	1.0000	1.87	_____
Tractors	acre	2.06	1.0000	2.06	_____
Self-Propelled Eq.	acre	3.37	1.0000	3.37	_____
INTEREST ON OP. CAP.	acre	1.95	1.0000	1.95	_____

TOTAL DIRECT EXPENSES				100.34	_____
FIXED EXPENSES					
Implements	acre	3.50	1.0000	3.50	_____
Tractors	acre	4.64	1.0000	4.64	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____

TOTAL FIXED EXPENSES				19.47	_____

TOTAL SPECIFIED EXPENSES				119.82	_____

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Table 2. Estimated resource use and costs for field operations per acre, Soybeans, Stale Seedbed, Non-Irrigated, Roundup Ready, Clay and Mixed Soils, 2004

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	1.47	1.52	0.44	1.01	0.106	0.71				5.17
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
0-18-36	lb											150.0000	0.09	13.50	13.50
Field cultivator	20.5'	MFWD190	0.068	1.00	Nov	1.22	1.26	0.16	0.35	0.088	0.59				3.59
Cstm ap air herbicid	acre			1.00	Mar							1.0000	4.50	4.50	4.50
Glyphosate	pint											1.5000	3.22	4.83	4.83
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	3.22	4.83	4.83
Planter nar 13r@19"	23.75'	MFWD190	0.097	1.00	May	1.74	1.80	1.26	2.11	0.232	1.55				8.48
Soybean seed-RR	lb											50.0000	0.48	24.00	24.00
Vitavax-Moly	bu											0.8300	2.11	1.75	1.75
Furrow ditcher	8'	2WD 150	0.380	0.01	May	0.05	0.04	0.00	0.01	0.004	0.03				0.15
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	3.22	4.83	4.83
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	3.22	4.83	4.83
Combine 4WD Soybean	25'		0.166	1.00	Oct			4.91	11.32	0.207	1.39				17.63
Custom haul	bu			1.00	Oct							25.0000	0.15	3.75	3.75
TOTALS						4.48	4.64	6.79	14.83	0.640	4.28			82.82	117.86
INTEREST ON OPERATING CAPITAL															1.95
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															119.82

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