

Estimating 2005 Costs of Production Soybeans, Border Irrigated Following Rice, Loamy Soils, Roundup Ready, Eastern Arkansas

AG-855-12-04

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	0.52	45.0000	23.40	_____
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	45.0000	6.75	_____
FERTILIZER & LIME					
0-18-36	lb	0.12	200.0000	24.00	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.31	0.7500	1.73	_____
HERBICIDES					
Glyphosate	pint	2.78	3.0000	8.34	_____
Classic	oz	12.33	0.2500	3.08	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	7.26	0.2214	1.60	_____
Tractors	hour	7.26	0.5050	3.66	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
IRRIGATION LABOR					
Border Irrigation	hour	7.26	0.1800	1.30	_____
DIESEL FUEL					
Tractors	gal	1.35	4.7951	6.47	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
Border Irrigation	gal	1.35	9.0000	12.15	_____
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	2.97	1.0000	2.97	_____
TOTAL DIRECT EXPENSES				127.29	_____
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				165.73	_____

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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, Eastern Arkansas, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE 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	6.29	5.13	0.18	0.70	0.358	2.60					14.92
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.00	4.00		4.00
0-18-36	lb											200.0000	0.12	24.00		24.00
Triple K	26.67'	MFWD190	0.052	1.00	May	1.18	0.96	0.26	0.55	0.067	0.49					3.46
Water tank	1000 gal	170	0.131	0.12	May	0.25	0.10	0.01	0.02	0.003	0.02					0.41
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	1.99	1.51	0.80	1.35	0.276	2.00					7.67
Soybean seed-RR	lb											45.0000	0.52	23.40		23.40
Vitavax-Moly	bu											0.7500	2.31	1.73		1.73
Ditcher, rear mount	3'	2WD 150	1.618	0.01	May	0.28	0.21	0.12	0.21	0.021	0.15					0.99
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.00	4.00		4.00
Glyphosate	pint											1.5000	2.78	4.17		4.17
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00		4.00
Glyphosate	pint											1.5000	2.78	4.17		4.17
Classic	oz											0.2500	12.33	3.08		3.08
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			4.69		0.060	0.43	3.0000				5.13
Border Irrigation	ac in			1.00	Aug			4.69		0.060	0.43	3.0000				5.13
Border Irrigation	ac in			1.00	Aug			4.69		0.060	0.43	3.0000				5.13
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50					18.51
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75		6.75
TOTALS						10.00	7.92	21.17	30.50	1.114	8.08			85.05		162.75
INTEREST ON OPERATING CAPITAL																2.97
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																165.73

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Estimating 2005 Costs of Production Soybeans, Border Irrigated Following Wheat, Loamy Soils, Roundup Ready, Eastern Arkansas

AG-856-12-04

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	0.52	60.0000	31.20	_____
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	0.12	150.0000	18.75	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.31	1.0000	2.31	_____
HERBICIDES					
Glyphosate	pint	2.78	3.0000	8.34	_____
Classic	oz	12.33	0.2500	3.08	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	7.26	0.1915	1.39	_____
Tractors	hour	7.26	0.3396	2.46	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
IRRIGATION LABOR					
Border Irrigation	hour	7.26	0.2400	1.74	_____
DIESEL FUEL					
Tractors	gal	1.35	3.0195	4.07	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
Border Irrigation	gal	1.35	12.0000	16.20	_____
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	2.12	1.0000	2.12	_____

TOTAL DIRECT EXPENSES				129.95	_____
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				166.36	_____

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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, Eastern Arkansas, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE 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	0.12	18.75	18.75
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Jun	1.86	1.52	0.44	1.01	0.106	0.77				5.62
Field cultivator	29.58'	MFWD190	0.047	1.00	Jun	1.07	0.87	0.21	0.44	0.061	0.44				3.04
Triple K	26.67'	MFWD190	0.052	1.00	Jun	1.18	0.96	0.26	0.55	0.067	0.49				3.46
Grain drill	20'	2WD 150	0.118	1.00	Jun	2.04	1.55	0.82	1.66	0.283	2.05				8.13
Soybean seed-RR	lb											60.0000	0.52	31.20	31.20
Vitavax-Moly	bu											1.0000	2.31	2.31	2.31
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	2.78	4.17	4.17
Border levee-build	6'	2WD 130	0.196	0.05	Jul	0.14	0.11	0.01	0.03	0.012	0.09				0.40
Cstm ap grd herbicid	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	2.78	4.17	4.17
Classic	oz											0.2500	12.33	3.08	3.08
Flex irrigation tube	acre			1.00	Jul							1.0000	5.75	5.75	5.75
Border Irrigation	ac in			1.00	Jul			4.69	16.33	0.060	0.43	3.0000			21.46
Border Irrigation	ac in			1.00	Jul			4.69		0.060	0.43	3.0000			5.13
Border Irrigation	ac in			1.00	Aug			4.69		0.060	0.43	3.0000			5.13
Border Irrigation	ac in			1.00	Aug			4.69		0.060	0.43	3.0000			5.13
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50				18.51
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						6.31	5.03	26.22	31.37	0.978	7.10			88.18	164.23
INTEREST ON OPERATING CAPITAL															2.12
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															166.36

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Estimating 2005 Costs of Production Soybeans, Center Pivot Irrigated, No-till, Following Wheat, Clay & Mixed Soils, Roundup Ready, Eastern Arkansas

AG-857-12-04

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	0.31	60.0000	18.60	_____
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	2.31	1.0000	2.31	_____
HERBICIDES					
Gramoxone Max	pint	4.68	1.5000	7.02	_____
Canopy SP	oz	1.39	3.0000	4.17	_____
Surfactant (80-20)	pint	1.02	0.5000	0.51	_____
Storm	pint	10.29	1.5000	15.43	_____
OPERATOR LABOR					
Implements	hour	7.26	0.1534	1.11	_____
Tractors	hour	7.26	0.1298	0.94	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
IRRIGATION LABOR					
Center pivot irrg.	hour	7.26	0.0560	0.40	_____
DIESEL FUEL					
Tractors	gal	1.35	1.2682	1.71	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
Center pivot irrg.	gal	1.35	14.0000	18.90	_____
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	2.01	1.0000	2.01	_____
TOTAL DIRECT EXPENSES				104.39	_____
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				173.60	_____

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OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE 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 Max	pint											1.5000	4.68	7.02	7.02
Canopy SP	oz											3.0000	1.39	4.17	4.17
Surfactant (80-20)	pint											0.2500	1.02	0.25	0.25
Grain drill, no-till 20'		MFWD190	0.118	1.00	Jun	2.68	2.19	2.30	4.66	0.283	2.05				13.90
Soybean seed-private	lb											60.0000	0.31	18.60	18.60
Vitavax-Moly	bu											1.0000	2.31	2.31	2.31
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Storm	pint											1.5000	10.29	15.43	15.43
Surfactant (80-20)	pint											0.2500	1.02	0.25	0.25
Center pivot irrg.	ac in			1.00	Jun			3.56	51.03	0.008	0.05	1.0000			54.65
Center pivot irrg.	ac in			1.00	Jul			3.56		0.008	0.05	1.0000			3.62
Center pivot irrg.	ac in			1.00	Jul			3.56		0.008	0.05	1.0000			3.62
Center pivot irrg.	ac in			1.00	Jul			3.56		0.008	0.05	1.0000			3.62
Center pivot irrg.	ac in			1.00	Aug			3.56		0.008	0.05	1.0000			3.62
Center pivot irrg.	ac in			1.00	Aug			3.56		0.008	0.05	1.0000			3.62
Center pivot irrg.	ac in			1.00	Sep			3.56		0.008	0.05	1.0000			3.62
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50				18.51
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						2.68	2.19	32.92	67.01	0.546	3.96			62.79	171.59
INTEREST ON OPERATING CAPITAL															2.01
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															173.60

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Estimating 2005 Costs of Production Soybeans, Early Season Non-Irrigated, Loamy Soils, Roundup Ready

AG-858-12-04

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	0.52	60.0000	31.20	_____
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	0.12	200.0000	24.00	_____
FUNGICIDE & SEED TR.					
Apron XL	oz	1.17	0.3000	0.35	_____
Vitavax-Moly	bu	2.31	1.0000	2.31	_____
HERBICIDES					
Glyphosate	pint	2.78	3.0000	8.34	_____
Classic	oz	12.33	0.2500	3.08	_____
INSECTICIDES					
Methyl Parathion 4EC	pint	3.81	1.0000	3.81	_____
OPERATOR LABOR					
Implements	hour	7.26	0.1630	1.18	_____
Tractors	hour	7.26	0.3099	2.25	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
DIESEL FUEL					
Tractors	gal	1.35	2.8013	3.78	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
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	3.28	1.0000	3.28	_____
TOTAL DIRECT EXPENSES				115.30	_____
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				135.48	_____

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OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE 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	1.86	1.52	0.44	1.01	0.106	0.77				5.62
Field cultivator	29.58'	MFWD190	0.047	1.00	Apr	1.07	0.87	0.21	0.44	0.061	0.44				3.04
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00	4.00
0-18-36	lb											200.0000	0.12	24.00	24.00
Triple K	26.67'	MFWD190	0.052	1.00	Apr	1.18	0.96	0.26	0.55	0.067	0.49				3.46
Planter nar 13r@19"	23.75'	2WD 150	0.097	1.00	Apr	1.67	1.27	1.26	2.11	0.232	1.69				8.02
Soybean seed-RR	lb											60.0000	0.52	31.20	31.20
Apron XL	oz											0.3000	1.17	0.35	0.35
Vitavax-Moly	bu											1.0000	2.31	2.31	2.31
Furrow ditcher	8'	2WD 150	0.380	0.01	Apr	0.06	0.04	0.00	0.01	0.004	0.03				0.17
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	2.78	4.17	4.17
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	2.78	4.17	4.17
Classic	oz											0.2500	12.33	3.08	3.08
Cstm ap air insectic	acre			1.00	Jul							1.0000	4.50	4.50	4.50
Methyl Parathion 4EC	pint											1.0000	3.81	3.81	3.81
Combine 4WD Soybean	25'		0.166	1.00	Aug			5.68	11.32	0.207	1.50				18.51
Custom haul	bu			1.00	Aug							25.0000	0.15	3.75	3.75
TOTALS						5.87	4.69	7.87	15.48	0.680	4.94			93.34	132.20
INTEREST ON OPERATING CAPITAL															3.28
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															135.48

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AG-858-12-04

Estimating 2005 Costs of Production Soybeans, Flood Irrigated, Following Rice, Loamy Soils

AG-859-12-04

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	0.31	45.0000	13.95	_____
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	0.12	200.0000	24.00	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.31	0.7500	1.73	_____
HERBICIDES					
Dual 8E	pint	7.49	2.0000	14.98	_____
Canopy SP	oz	1.39	3.0000	4.17	_____
Typhoon	pint	6.33	3.6000	22.78	_____
Surfactant (80-20)	pint	1.02	0.4000	0.40	_____
Select	pint	22.50	0.2500	5.62	_____
OPERATOR LABOR					
Implements	hour	7.26	0.4427	3.21	_____
Tractors	hour	7.26	1.3619	9.88	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
IRRIGATION LABOR					
Flood irrig	hour	7.26	0.1300	0.94	_____
DIESEL FUEL					
Tractors	gal	1.35	11.8278	15.96	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
Flood irrig	gal	1.35	13.0000	17.55	_____
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	3.99	1.0000	3.99	_____

TOTAL DIRECT EXPENSES				177.56	_____
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				231.35	_____

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 of race, color, national origin, religion, gender, age, disability, marital or veteran 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, Soybeans, Flood Irrigated, Following Rice, Loamy Soils, Arkansas, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk, medium cut	26.41'	MFWD190	0.082	2.00	Apr	3.73	3.05	0.88	2.03	0.213	1.54				11.25
Land float	16'x 56'	MFWD190	0.138	2.00	Apr	6.29	5.13	0.18	0.70	0.358	2.60				14.92
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.00	4.00	4.00
0-18-36	lb											200.0000	0.12	24.00	24.00
Triple K w/ sprayer	26.67'	MFWD190	0.086	1.00	May	1.96	1.59	0.49	0.90	0.137	0.99				5.96
Dual 8E	pint											2.0000	7.49	14.98	14.98
Canopy SP	oz											3.0000	1.39	4.17	4.17
Water tank	1000 gal	170	0.131	0.12	May	0.25	0.10	0.01	0.02	0.003	0.02				0.41
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	1.99	1.51	0.80	1.35	0.276	2.00				7.67
Soybean seed-private	lb											45.0000	0.31	13.95	13.95
Vitavax-Moly	bu											0.7500	2.31	1.73	1.73
Ditcher, rear mount	3'	2WD 150	1.618	0.01	May	0.28	0.21	0.12	0.21	0.021	0.15				0.99
Sprayer, dir 8r@30"	20'	2WD 150	0.127	1.00	Jun	2.19	1.66	0.15	0.33	0.203	1.47				5.83
Typhoon	pint											3.6000	6.33	22.78	22.78
Surfactant (80-20)	pint											0.4000	1.02	0.40	0.40
Water tank	1000 gal	170	0.131	0.06	Jun	0.12	0.05	0.00	0.01	0.001	0.01				0.20
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	2.23	1.69	0.29	0.49	0.167	1.21				5.94
Levee disk-build	9'	2WD 170	0.196	0.15	Jul	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Jul	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Jul			6.26	16.33	0.040	0.29	4.0000			22.88
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Cstm ap air herbicid	acre			1.00	Aug							1.0000	4.50	4.50	4.50
Select	pint											0.2500	22.50	5.62	5.62
Flood irrig	ac-in			1.00	Aug			4.69		0.030	0.21	3.0000			4.91
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Aug			4.69		0.030	0.21	3.0000			4.91
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Sep	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Levee disk-build	9'	2WD 170	0.196	0.15	Sep	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Sep	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Sep			4.69		0.030	0.21	3.0000			4.91
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Sep	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50				18.51
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						24.46	19.09	29.38	34.70	2.142	15.55			104.15	227.35
INTEREST ON OPERATING CAPITAL															3.99
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															231.35

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Estimating 2005 Costs of Production Soybeans, Flood Irrigated, Following Rice, Loamy Soils, Roundup Ready

AG-860-12-04

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	0.52	60.0000	31.20	_____
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	0.12	200.0000	24.00	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.31	0.7500	1.73	_____
HERBICIDES					
Glyphosate	pint	2.78	3.0000	8.34	_____
OPERATOR LABOR					
Implements	hour	7.26	0.4054	2.94	_____
Tractors	hour	7.26	1.3245	9.61	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
IRRIGATION LABOR					
Flood irrig	hour	7.26	0.1300	0.94	_____
DIESEL FUEL					
Tractors	gal	1.35	11.2287	15.15	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
Flood irrig	gal	1.35	13.0000	17.55	_____
REPAIR & MAINTENANCE					
Implements	acre	3.11	1.0000	3.11	_____
Tractors	acre	8.10	1.0000	8.10	_____
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	3.44	1.0000	3.44	_____
TOTAL DIRECT EXPENSES				152.63	_____
FIXED EXPENSES					
Implements	acre	6.65	1.0000	6.65	_____
Tractors	acre	18.19	1.0000	18.19	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____
Flood irrig	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				52.50	_____
TOTAL SPECIFIED EXPENSES				205.14	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Soybeans, Flood Irrigated, Following Rice, Loamy Soils, Roundup Ready, Arkansas, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE 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	3.73	3.05	0.88	2.03	0.213	1.54				11.25
Land float	16'x 56'	MFWD190	0.138	2.00	Apr	6.29	5.13	0.18	0.70	0.358	2.60				14.92
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.00	4.00	4.00
0-18-36	lb											200.0000	0.12	24.00	24.00
Triple K	26.67'	2WD 190	0.052	1.00	May	1.13	0.85	0.26	0.55	0.067	0.49				3.29
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	1.99	1.51	0.80	1.35	0.276	2.00				7.67
Soybean seed-RR	lb											60.0000	0.52	31.20	31.20
Vitavax-Moly	bu											0.7500	2.31	1.73	1.73
Ditcher, rear mount	3'	2WD 150	1.618	0.01	May	0.28	0.21	0.12	0.21	0.021	0.15				0.99
Sprayer, dir 8r@30"	20'	2WD 150	0.127	1.00	May	2.19	1.66	0.15	0.33	0.203	1.47				5.83
Glyphosate	pint											1.5000	2.78	4.17	4.17
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	2.23	1.69	0.29	0.49	0.167	1.21				5.94
Levee disk-build	9'	2WD 170	0.196	0.15	Jul	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Jul	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Jul				6.26	0.040	0.29	4.0000			22.88
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Cstm ap air herbicid	acre			1.00	Aug							1.0000	4.50	4.50	4.50
Glyphosate	pint											1.5000	2.78	4.17	4.17
Flood irrig	ac-in			1.00	Aug			4.69		0.030	0.21	3.0000			4.91
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Aug			4.69		0.030	0.21	3.0000			4.91
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Sep	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Levee disk-build	9'	2WD 170	0.196	0.15	Sep	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Sep	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Sep			4.69		0.030	0.21	3.0000			4.91
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Sep	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50				18.51
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						23.26	18.19	29.14	34.31	2.067	15.01			81.77	201.69
INTEREST ON OPERATING CAPITAL															3.44
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															205.14

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Estimating 2005 Costs of Production Soybeans, Flood Irrigated, Following Wheat, Loamy Soils,

AG-861-12-04

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	0.31	45.0000	13.95	_____
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	0.12	150.0000	18.75	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.31	0.7500	1.73	_____
HERBICIDES					
Boundary	pt	9.83	1.5000	14.74	_____
Typhoon	pint	6.33	3.6000	22.78	_____
Surfactant (80-20)	pint	1.02	0.1250	0.12	_____
OPERATOR LABOR					
Implements	hour	7.26	0.3131	2.27	_____
Tractors	hour	7.26	0.7521	5.46	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
IRRIGATION LABOR					
Flood irrig	hour	7.26	0.1000	0.72	_____
DIESEL FUEL					
Tractors	gal	1.35	6.4448	8.70	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
Flood irrig	gal	1.35	10.0000	13.50	_____
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	2.21	1.0000	2.21	_____
TOTAL DIRECT EXPENSES				133.34	_____
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				176.46	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Soybeans, Flood Irrigated, Following Wheat, Loamy Soils, Arkansas, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE 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	0.12	18.75	18.75
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Jun	1.86	1.52	0.44	1.01	0.106	0.77				5.62
Field cultivator	29.58'	MFWD190	0.047	1.00	Jun	1.07	0.87	0.21	0.44	0.061	0.44				3.04
Triple K w/ sprayer	26.67'	MFWD190	0.086	1.00	Jun	1.96	1.59	0.49	0.90	0.137	0.99				5.96
Boundary	pt											1.5000	9.83	14.74	14.74
Water tank	1000 gal	170	0.131	0.12	Jun	0.25	0.10	0.01	0.02	0.003	0.02				0.41
Grain drill	24'	MFWD 150	0.098	1.00	Jun	1.79	1.50	0.80	1.63	0.235	1.70				7.44
Soybean seed-private	lb											45.0000	0.31	13.95	13.95
Vitavax-Moly	bu											0.7500	2.31	1.73	1.73
Sprayer, dir 8r@30"	20'	2WD 150	0.127	1.00	Jun	2.19	1.66	0.15	0.33	0.203	1.47				5.83
Typhoon	pint											3.6000	6.33	22.78	22.78
Surfactant (80-20)	pint											0.1250	1.02	0.12	0.12
Water tank	1000 gal	170	0.131	0.06	Jun	0.12	0.05	0.00	0.01	0.001	0.01				0.20
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	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Jul	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Jul			6.26	16.33	0.040	0.29	4.0000			22.88
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Aug			4.69		0.030	0.21	3.0000			4.91
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Levee disk-build	9'	2WD 170	0.196	0.15	Sep	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Sep	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Sep			4.69		0.030	0.21	3.0000			4.91
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Oct	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50				18.51
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						13.31	10.37	23.75	32.74	1.372	9.96			84.09	174.25
INTEREST ON OPERATING CAPITAL															2.21
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															176.46

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Estimating 2005 Costs of Production Soybeans, Flood Irrigated, No-till Following Wheat, Loamy Soils, Roundup Ready

AG-862-12-04

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	0.52	55.0000	28.60	_____
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 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	0.12	150.0000	18.75	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.31	0.9200	2.12	_____
HERBICIDES					
Glyphosate	pint	2.78	3.0000	8.34	_____
Classic	oz	12.33	0.2500	3.08	_____
OPERATOR LABOR					
Implements	hour	7.26	0.2560	1.85	_____
Tractors	hour	7.26	0.5202	3.77	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
IRRIGATION LABOR					
Flood irrig	hour	7.26	0.0800	0.58	_____
DIESEL FUEL					
Tractors	gal	1.35	4.3577	5.88	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
Flood irrig	gal	1.35	8.0000	10.80	_____
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	1.85	1.0000	1.85	_____

TOTAL DIRECT EXPENSES				116.48	_____
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				156.92	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Soybeans, Flood Irrigated, No-till, Following Wheat, Loamy Soils, Roundup Ready, Arkansas, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE 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	0.12	18.75	18.75
Sprayer, broadcast	26.67'	2WD 150	0.095	1.00	Jun	1.64	1.24	0.16	0.35	0.152	1.10				4.51
Glyphosate	pint											1.5000	2.78	4.17	4.17
Water tank	1000 gal	170	0.131	0.12	Jun	0.25	0.10	0.01	0.02	0.003	0.02				0.41
Grain drill, no-till	20'	MFWD190	0.118	1.00	Jun	2.68	2.19	2.30	4.66	0.283	2.05				13.90
Soybean seed-RR	lb											55.0000	0.52	28.60	28.60
Vitavax-Moly	bu											0.9200	2.31	2.12	2.12
Ditcher, rear mount	3'	2WD 150	1.618	0.01	Jun	0.28	0.21	0.12	0.21	0.021	0.15				0.99
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	2.78	4.17	4.17
Classic	oz											0.2500	12.33	3.08	3.08
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	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Jul	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Jul			4.69	16.33	0.030	0.21	3.0000			21.24
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Aug	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Aug			3.91		0.025	0.18	2.5000			4.09
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Levee disk-build	9'	2WD 170	0.196	0.15	Sep	0.57	0.43	0.05	0.11	0.038	0.27				1.44
Blade, rear mount	8'	2WD 105	0.645	0.05	Sep	0.39	0.29	0.01	0.05	0.041	0.30				1.05
Flood irrig	ac-in			1.00	Sep			3.91		0.025	0.18	2.5000			4.09
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Oct	0.38	0.28	0.03	0.07	0.025	0.18				0.96
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50				18.51
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						8.91	6.81	21.09	33.62	1.063	7.72			76.89	155.06
INTEREST ON OPERATING CAPITAL															1.85
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															156.92

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Estimating 2005 Costs of Production Soybeans, Furrow Irrigated, Mixed Soils

AG-863-12-04

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	0.31	50.0000	15.50	_____
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	0.12	200.0000	24.00	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.31	0.8300	1.91	_____
HERBICIDES					
Canopy SP	oz	1.39	3.0000	4.17	_____
Boundary	pt	9.83	1.5000	14.74	_____
Typhoon	pint	6.33	3.6000	22.78	_____
Surfactant (80-20)	pint	1.02	0.4000	0.40	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	7.26	0.3523	2.55	_____
Tractors	hour	7.26	0.8646	6.27	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
IRRIGATION LABOR					
Furrow irrigation	hour	7.26	0.3750	2.72	_____
DIESEL FUEL					
Tractors	gal	1.35	7.5536	10.19	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
Furrow irrigation	gal	1.35	15.0000	20.25	_____
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	3.72	1.0000	3.72	_____

TOTAL DIRECT EXPENSES				164.21	_____
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				208.81	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Soybeans, Furrow Irrigated, Mixed Soils, Arkansas, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC	LABOR	OPERATING/DURABLE INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Chisel plow	21'	MFWD190	0.092	1.00	Apr	2.09	1.71	0.17	0.33	0.119	0.86					5.17
Field cultivator	25.5'	MFWD190	0.054	2.00	May	2.46	2.00	0.40	0.85	0.140	1.01					6.74
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.00	4.00		4.00
0-18-36	lb											200.0000	0.12	24.00		24.00
Triple K w/ sprayer	26.67'	MFWD190	0.086	1.00	May	1.96	1.59	0.49	0.90	0.137	0.99					5.96
Canopy SP	oz											3.0000	1.39	4.17		4.17
Boundary	pt											1.5000	9.83	14.74		14.74
Water tank	1000 gal	170	0.131	0.12	May	0.25	0.10	0.01	0.02	0.003	0.02					0.41
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	1.99	1.51	0.80	1.35	0.276	2.00					7.67
Soybean seed-private	lb											50.0000	0.31	15.50		15.50
Vitavax-Moly	bu											0.8300	2.31	1.91		1.91
Row cult 8r@30"	20'	2WD 150	0.129	1.00	Jun	2.23	1.69	0.29	0.49	0.167	1.21					5.94
Sprayer, broadcast	20'	2WD 150	0.127	1.00	Jun	2.19	1.66	0.19	0.41	0.203	1.47					5.95
Typhoon	pint											3.6000	6.33	22.78		22.78
Surfactant (80-20)	pint											0.4000	1.02	0.40		0.40
Water tank	1000 gal	170	0.131	0.06	Jun	0.12	0.05	0.00	0.01	0.001	0.01					0.20
Row cult 8r@30"	20'	2WD 150	0.129	1.00	Jun	2.23	1.69	0.29	0.49	0.167	1.21					5.94
Flex irrigation tube	acre			1.00	Jul							1.0000	5.75	5.75		5.75
Furrow irrigation	ac in			1.00	Jul			4.69	16.33	0.075	0.54	3.0000				21.56
Furrow irrigation	ac in			1.00	Jul			4.69		0.075	0.54	3.0000				5.23
Furrow irrigation	ac in			1.00	Aug			4.69		0.075	0.54	3.0000				5.23
Furrow irrigation	ac in			1.00	Aug			4.69		0.075	0.54	3.0000				5.23
Furrow irrigation	ac in			1.00	Sep			4.69		0.075	0.54	3.0000				5.23
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50					18.51
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75		6.75
TOTALS						15.55	12.04	31.84	32.55	1.799	13.06			100.02		205.09
INTEREST ON OPERATING CAPITAL																3.72
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																208.81

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Estimating 2005 Costs of Production Soybeans, Furrow Irrigated, Mixed Soils, Roundup Ready

AG-864-12-04

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	0.52	50.0000	26.00	_____
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	0.12	200.0000	24.00	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.31	0.8300	1.91	_____
HERBICIDES					
Glyphosate	pint	2.78	3.0000	8.34	_____
MISC. IRRIGATION					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
OPERATOR LABOR					
Implements	hour	7.26	0.3728	2.70	_____
Tractors	hour	7.26	0.9097	6.60	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
IRRIGATION LABOR					
Furrow irrigation	hour	7.26	0.3750	2.72	_____
DIESEL FUEL					
Tractors	gal	1.35	7.7078	10.40	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
Furrow irrigation	gal	1.35	15.0000	20.25	_____
REPAIR & MAINTENANCE					
Implements	acre	2.38	1.0000	2.38	_____
Tractors	acre	5.39	1.0000	5.39	_____
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	3.11	1.0000	3.11	_____
TOTAL DIRECT EXPENSES				140.75	_____
FIXED EXPENSES					
Implements	acre	4.40	1.0000	4.40	_____
Tractors	acre	12.11	1.0000	12.11	_____
Self-Propelled Eq.	acre	11.32	1.0000	11.32	_____
Furrow irrigation	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				44.18	_____
TOTAL SPECIFIED EXPENSES				184.93	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Soybeans, Furrow Irrigated, Mixed Soils, Roundup Ready, Arkansas, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Chisel plow	21'	MFWD190	0.092	1.00	Apr	2.09	1.71	0.17	0.33	0.119	0.86				5.17
Field cultivator	25.5'	MFWD190	0.054	2.00	May	2.46	2.00	0.40	0.85	0.140	1.01				6.74
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.00	4.00	4.00
0-18-36	lb											200.0000	0.12	24.00	24.00
Water tank	1000 gal	170	0.131	0.12	May	0.25	0.10	0.01	0.02	0.003	0.02				0.41
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	1.99	1.51	0.80	1.35	0.276	2.00				7.67
Soybean seed-RR	lb											50.0000	0.52	26.00	26.00
Vitavax-Moly	bu											0.8300	2.31	1.91	1.91
Row cult 8r@30"	20'	2WD 150	0.129	1.00	Jun	2.23	1.69	0.29	0.49	0.167	1.21				5.94
Sprayer, broadcast	20'	2WD 150	0.127	1.00	Jun	2.19	1.66	0.19	0.41	0.203	1.47				5.95
Glyphosate	pint											1.5000	2.78	4.17	4.17
Water tank	1000 gal	170	0.131	0.06	Jun	0.12	0.05	0.00	0.01	0.001	0.01				0.20
Row cult 8r@30"	20'	2WD 150	0.129	1.00	Jun	2.23	1.69	0.29	0.49	0.167	1.21				5.94
Sprayer, broadcast	20'	2WD 150	0.127	1.00	Jun	2.19	1.66	0.19	0.41	0.203	1.47				5.95
Glyphosate	pint											1.5000	2.78	4.17	4.17
Flex irrigation tube	acre			1.00	Jul							1.0000	5.75	5.75	5.75
Furrow irrigation	ac in			1.00	Jul			4.69	16.33	0.075	0.54	3.0000			21.56
Furrow irrigation	ac in			1.00	Jul			4.69		0.075	0.54	3.0000			5.23
Furrow irrigation	ac in			1.00	Aug			4.69		0.075	0.54	3.0000			5.23
Furrow irrigation	ac in			1.00	Aug			4.69		0.075	0.54	3.0000			5.23
Furrow irrigation	ac in			1.00	Sep			4.69		0.075	0.54	3.0000			5.23
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50				18.51
Custom haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
TOTALS						15.79	12.11	31.54	32.06	1.865	13.54			76.75	181.82
INTEREST ON OPERATING CAPITAL															3.11
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															184.93

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Estimating 2005 Costs of Production Soybeans, Non-Irrigated, No-Till, Following Wheat, Roundup Ready, Mixed Soils

AG-865-12-04

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	0.52	55.0000	28.60	_____
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	25.0000	3.75	_____
FERTILIZER & LIME					
0-20-30	lb	0.12	150.0000	18.75	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.31	0.9200	2.12	_____
HERBICIDES					
Glyphosate	pint	2.78	3.0000	8.34	_____
Classic	oz	12.33	0.2500	3.08	_____
OPERATOR LABOR					
Implements	hour	7.26	0.1534	1.11	_____
Tractors	hour	7.26	0.1298	0.94	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
DIESEL FUEL					
Tractors	gal	1.35	1.1357	1.53	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
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	1.43	1.0000	1.43	_____
TOTAL DIRECT EXPENSES				90.45	_____
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				105.17	_____

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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, Arkansas, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE 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	0.12	18.75	18.75
Grain drill	20'	2WD 170	0.118	1.00	Jun	2.30	1.73	0.82	1.66	0.283	2.05				8.58
Soybean seed-RR	lb											55.0000	0.52	28.60	28.60
Vitavax-Moly	bu											0.9200	2.31	2.12	2.12
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	2.78	4.17	4.17
Cstm ap grd herbicid	acre			1.00	Jul							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	2.78	4.17	4.17
Classic	oz											0.2500	12.33	3.08	3.08
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50				18.51
Custom haul	bu			1.00	Oct							25.0000	0.15	3.75	3.75
TOTALS						2.30	1.73	6.50	12.98	0.490	3.56			76.64	103.74
INTEREST ON OPERATING CAPITAL															1.43
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															105.17

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Estimating 2005 Costs of Production Soybeans, Stale Seedbed, Non-Irrigated, Roundup Ready, Clay and Mixed Soils

AG-866-12-04

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	0.52	50.0000	26.00	_____
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	0.12	150.0000	18.00	_____
FUNGICIDE & SEED TR.					
Vitavax-Moly	bu	2.31	0.8300	1.91	_____
HERBICIDES					
Glyphosate	pint	2.78	6.0000	16.68	_____
OPERATOR LABOR					
Implements	hour	7.26	0.1568	1.13	_____
Tractors	hour	7.26	0.2758	2.00	_____
Self-Propelled Eq.	hour	7.26	0.2075	1.50	_____
DIESEL FUEL					
Tractors	gal	1.35	2.6870	3.62	_____
Self-Propelled Eq.	gal	1.35	1.7098	2.30	_____
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	1.96	1.0000	1.96	_____
TOTAL DIRECT EXPENSES				106.71	_____
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				126.19	_____

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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, Arkansas, 2005

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC HOURS	LABOR COST	OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED			AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Nov	1.86	1.52	0.44	1.01	0.106	0.77				5.62
Cstm ap grd fert dry	acre			1.00	Nov							1.0000	4.00	4.00	4.00
0-18-36	lb											150.0000	0.12	18.00	18.00
Field cultivator	20.5'	MFWD190	0.068	1.00	Nov	1.54	1.26	0.16	0.35	0.088	0.64				3.97
Cstm ap air herbicid	acre			1.00	Mar							1.0000	4.50	4.50	4.50
Glyphosate	pint											1.5000	2.78	4.17	4.17
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	2.78	4.17	4.17
Planter nar 13r@19"	23.75'	MFWD190	0.097	1.00	May	2.21	1.80	1.26	2.11	0.232	1.69				9.08
Soybean seed-RR	lb											50.0000	0.52	26.00	26.00
Vitavax-Moly	bu											0.8300	2.31	1.91	1.91
Furrow ditcher	8'	2WD 150	0.380	0.01	May	0.06	0.04	0.00	0.01	0.004	0.03				0.17
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	2.78	4.17	4.17
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.00	4.00	4.00
Glyphosate	pint											1.5000	2.78	4.17	4.17
Combine 4WD Soybean	25'		0.166	1.00	Oct			5.68	11.32	0.207	1.50				18.51
Custom haul	bu			1.00	Oct							25.0000	0.15	3.75	3.75
TOTALS						5.69	4.64	7.56	14.83	0.640	4.64			86.84	124.22
INTEREST ON OPERATING CAPITAL															1.96
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															126.19

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