

Estimating 2006 Costs of Production Full Season, Non-Irrigated, Roundup Ready

AG-941-12-05

C. Robert Stark, Jr., Associate Professor-Agriculture Economics
UA Cooperative Extension Service/UAM Division of Agriculture
Chris Tingle, Extension Agronomist-Soybeans

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Cstm ap grd herbicid	acre	4.75	3.0000	14.25	_____
Cstm ap air insect	acre	5.50	1.0000	5.50	_____
FERTILIZERS					
0-18-36	lbs	0.13	200.0000	26.65	_____
HERBICIDES					
glyphosate	pint	1.78	6.0000	10.73	_____
INSECTICIDES					
Methyl Parathion 4EC	pt	3.96	1.0000	3.96	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.63	45.0000	28.58	_____
CUSTOM FERT/LIME					
Cstm ap grd fert dry	acre	4.75	1.0000	4.75	_____
CUSTOM HARVEST/HAUL					
Cstm Haul	bu	0.15	25.0000	3.75	_____
OPERATOR LABOR					
Implements	hour	8.12	0.2146	1.74	_____
Tractors	hour	8.12	0.4848	3.94	_____
Self-Propelled	hour	8.12	0.1660	1.35	_____
DIESEL FUEL					
Tractors	gal	2.20	4.1151	9.05	_____
Self-Propelled	gal	2.20	1.7098	3.76	_____
REPAIR & MAINTENANCE					
Implements	acre	2.99	1.0000	2.99	_____
Tractors	acre	1.42	1.0000	1.42	_____
Self-Propelled	acre	3.37	1.0000	3.37	_____
INTEREST ON OP. CAP.	acre	4.98	1.0000	4.98	_____
TOTAL DIRECT EXPENSES				130.78	_____
FIXED EXPENSES					
Implements	acre	6.14	1.0000	6.14	_____
Tractors	acre	10.45	1.0000	10.45	_____
Self-Propelled	acre	12.52	1.0000	12.52	_____
TOTAL FIXED EXPENSES				29.11	_____
TOTAL SPECIFIED EXPENSES				159.89	_____

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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, Full Season, Soybeans, Non-Irrigated, Roundup Ready, 2006

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'	MFWD 190	0.082	2.00	Apr	4.53	4.84	0.89	2.27	0.21	1.73				14.26
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.75	4.75	4.75
0-18-36	lbs											200.0000	0.13	26.65	26.65
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Triple K	26.57'	MFWD 190	0.052		May										9.32
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	2.47	2.33	0.81	1.47	0.27	2.24				9.32
Soybean Seed RR	lb											45.0000	0.63	28.58	28.58
Ditcher, rear mount	3'	2WD 150	1.617	0.10	May	3.47	3.28	1.29	2.40	0.21	1.71				12.15
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Cstm ap air insect	acre			1.00	Jul							1.0000	5.50	5.50	5.50
Methyl Parathion 4EC	pt											1.0000	3.96	3.96	3.96
Cstm ap grd herbicid	acre			1.00	Aug							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Combine 4WD Soybean	25'		0.166	1.00	Oct	7.13	12.52			0.16	1.35				21.00
Cstm Haul	bu			1.00	Oct							25.0000	0.15	3.75	3.75
TOTALS						17.60	22.97	2.99	6.14	0.86	7.03			98.18	154.91
INTEREST ON OPERATING CAPITAL															4.98
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															159.89

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AG-941-12-05

Estimating 2006 Costs of Production
Full Season, Furrow Irrigation, Roundup Ready

AG-942-12-05

C. Robert Stark, Jr., Associate Professor-Agriculture Economics
UA Cooperative Extension Service/UAM Division of Agriculture
Chris Tingle, Extension Agronomist-Soybeans

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Cstm ap grd herbicid	acre	4.75	3.0000	14.25	_____
Cstm ap air insect	acre	5.50	1.0000	5.50	_____
FERTILIZERS					
0-18-36	lbs	0.13	200.0000	26.65	_____
HERBICIDES					
glyphosate	pint	1.78	6.0000	10.73	_____
INSECTICIDES					
Methyl Parathion 4EC	pt	3.96	1.0000	3.96	_____
IRRIGATION SUPPLIES					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.63	45.0000	28.58	_____
CUSTOM FERT/LIME					
Cstm ap grd fert dry	acre	4.75	1.0000	4.75	_____
CUSTOM HARVEST/HAUL					
Cstm Haul	bu	0.15	45.0000	6.75	_____
OPERATOR LABOR					
Implements	hour	8.12	0.2766	2.24	_____
Tractors	hour	8.12	0.8258	6.70	_____
Self-Propelled	hour	8.12	0.1660	1.35	_____
IRRIGATION LABOR					
Furrow Irrigation	hour	8.12	0.4148	3.35	_____
DIESEL FUEL					
Tractors	gal	2.20	6.8657	15.10	_____
Self-Propelled	gal	2.20	1.7098	3.76	_____
Furrow Irrigation	gal	2.20	15.0000	33.00	_____
REPAIR & MAINTENANCE					
Implements	acre	3.86	1.0000	3.86	_____
Tractors	acre	2.35	1.0000	2.35	_____
Self-Propelled	acre	3.37	1.0000	3.37	_____
Furrow Irrigation	lac-in	0.23	15.0000	3.45	_____
INTEREST ON OP. CAP.	acre	7.09	1.0000	7.09	_____
TOTAL DIRECT EXPENSES				192.55	_____
FIXED EXPENSES					
Implements	acre	7.87	1.0000	7.87	_____
Tractors	acre	17.21	1.0000	17.21	_____
Self-Propelled	acre	12.52	1.0000	12.52	_____
Furrow Irrigation	each	2322.34	0.0083	19.35	_____
TOTAL FIXED EXPENSES				56.95	_____
TOTAL SPECIFIED EXPENSES				249.50	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Full Season, Soybeans, Furrow Irrigation, Roundup Ready, 2006

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'	MFWD 190	0.082	2.00	Apr	4.53	4.84	0.89	2.27	0.21	1.73					14.26
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.75	4.75		4.75
0-18-36	lbs											200.0000	0.13	26.65		26.65
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.75	4.75		4.75
glyphosate	pint											2.0000	1.78	3.58		3.58
Triple K	26.57'	MFWD 190	0.052	1.00	May	1.44	1.54	0.27	0.63	0.06	0.54					4.42
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	2.47	2.33	0.81	1.47	0.27	2.24					9.32
Soybean Seed RR	lb											45.0000	0.63	28.58		28.58
Ditcher, rear mount	3'	2WD 150	1.617	0.10	May	3.47	3.28	1.29	2.40	0.21	1.71					12.15
Row cult 8r@30"	20'	2WD 150	0.129	1.00	May	2.77	2.61	0.30	0.55	0.16	1.36					7.59
Row cult 8r@30"	20'	2WD 150	0.129	1.00	May	2.77	2.61	0.30	0.55	0.16	1.36					7.59
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.75	4.75		4.75
glyphosate	pint											2.0000	1.78	3.58		3.58
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75		5.75
Cstm ap air insect	acre			1.00	Jul							1.0000	5.50	5.50		5.50
Methyl Parathion 4EC pt												1.0000	3.96	3.96		3.96
Cstm ap grd herbicid	acre			1.00	Aug							1.0000	4.75	4.75		4.75
glyphosate	pint											2.0000	1.78	3.58		3.58
Combine 4WD Soybean	25'		0.166	1.00	Oct	7.13	12.52			0.16	1.35					21.00
Cstm Haul	bu			1.00	Oct							45.0000	0.15	6.75		6.75
Furrow Irrigation	each			1.00	Jun				19.35			0.0083				19.35
Application 1	lac-in			1.00	Jun			7.29		0.08	0.67	3.0000				7.96
Application 2	lac-in			1.00	Jun			7.29		0.08	0.67	3.0000				7.96
Application 3	lac-in			1.00	Jul			7.29		0.08	0.67	3.0000				7.96
Application 4	lac-in			1.00	Jul			7.29		0.08	0.67	3.0000				7.96
Application 5	lac-in			1.00	Aug			7.29		0.08	0.67	3.0000				7.96
TOTALS						24.58	29.73	40.31	27.22	1.68	13.64			106.93		242.41
INTEREST ON OPERATING CAPITAL																7.09
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																249.50

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AG-942-12-05

Estimating 2006 Costs of Production
Full Season, Border Irr., Roundup Ready

AG-943-12-05

C. Robert Stark, Jr., Associate Professor-Agriculture Economics
UA Cooperative Extension Service/UAM Division of Agriculture
Chris Tingle, Extension Agronomist-Soybeans

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Cstm ap grd herbicid	acre	4.75	3.0000	14.25	_____
Cstm ap air insect	acre	5.50	1.0000	5.50	_____
FERTILIZERS					
0-18-36	lbs	0.13	200.0000	26.65	_____
HERBICIDES					
glyphosate	pint	1.78	6.0000	10.73	_____
INSECTICIDES					
Methyl Parathion 4EC	pt	3.96	1.0000	3.96	_____
IRRIGATION SUPPLIES					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.63	45.0000	28.58	_____
CUSTOM FERT/LIME					
Cstm ap grd fert dry	acre	4.75	1.0000	4.75	_____
CUSTOM HARVEST/HAUL					
Cstm Haul	bu	0.15	45.0000	6.75	_____
OPERATOR LABOR					
Implements	hour	8.12	0.2446	1.98	_____
Tractors	hour	8.12	0.6498	5.28	_____
Self-Propelled	hour	8.12	0.1660	1.35	_____
IRRIGATION LABOR					
Border Irrigation	hour	8.12	0.2715	2.20	_____
DIESEL FUEL					
Tractors	gal	2.20	5.6178	12.36	_____
Self-Propelled	gal	2.20	1.7098	3.76	_____
Border Irrigation	gal	2.20	12.0000	26.40	_____
REPAIR & MAINTENANCE					
Implements	acre	3.43	1.0000	3.43	_____
Tractors	acre	1.93	1.0000	1.93	_____
Self-Propelled	acre	3.37	1.0000	3.37	_____
Border Irrigation	lac-in	0.23	12.0000	2.76	_____
INTEREST ON OP. CAP.	acre	6.58	1.0000	6.58	_____
TOTAL DIRECT EXPENSES				178.33	_____
FIXED EXPENSES					
Implements	acre	7.18	1.0000	7.18	_____
Tractors	acre	14.25	1.0000	14.25	_____
Self-Propelled	acre	12.52	1.0000	12.52	_____
Border Irrigation	each	2322.34	0.0083	19.35	_____
TOTAL FIXED EXPENSES				53.30	_____
TOTAL SPECIFIED EXPENSES				231.63	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Full Season, Soybeans, Border Irrigation, Roundup Ready 2006

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'	MFWD 190	0.082	2.00	Apr	4.53	4.84	0.89	2.27	0.21	1.73				14.26
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.75	4.75	4.75
0-18-36	lbs											200.0000	0.13	26.65	26.65
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Triple K	26.57'	MFWD 190	0.052	1.00	May	1.44	1.54	0.27	0.63	0.06	0.54				4.42
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	2.47	2.33	0.81	1.47	0.27	2.24				9.32
Soybean Seed RR	lb											45.0000	0.63	28.58	28.58
Ditcher, rear mount	3'	2WD 150	1.617	0.10	May	3.47	3.28	1.29	2.40	0.21	1.71				12.15
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75	5.75
Levee disk-build	9'	2WD 170	0.196	0.50	Jul	2.38	2.26	0.17	0.41	0.12	1.04				6.26
Cstm ap air insect	acre			1.00	Jul							1.0000	5.50	5.50	5.50
Methyl Parathion 4EC pt												1.0000	3.96	3.96	3.96
Cstm ap grd herbicid	acre			1.00	Aug							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Combine 4WD Soybean	25'		0.166	1.00	Oct	7.13	12.52			0.16	1.35				21.00
Cstm Haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
Border Irrigation	each			1.00	Jul				19.35			0.0083			19.35
Application 1	lac-in			1.00	Jul			7.29		0.06	0.55	3.0000			7.84
Application 2	lac-in			1.00	Jul			7.29		0.06	0.55	3.0000			7.84
Application 3	lac-in			1.00	Aug			7.29		0.06	0.55	3.0000			7.84
Application 4	lac-in			1.00	Aug			7.29		0.06	0.55	3.0000			7.84
TOTALS						21.42	26.77	32.59	26.53	1.33	10.81			106.93	225.05
INTEREST ON OPERATING CAPITAL															6.58
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															231.63

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Estimating 2006 Costs of Production Full Season, Center Pivot, Roundup Ready

AG-944-12-05

C. Robert Stark, Jr., Associate Professor-Agriculture Economics
UA Cooperative Extension Service/UAM Division of Agriculture
Chris Tingle, Extension Agronomist-Soybeans

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Cstm ap grd herbicid	acre	4.75	3.0000	14.25	_____
Cstm ap air insect	acre	5.50	1.0000	5.50	_____
FERTILIZERS					
0-18-36	lbs	0.13	200.0000	26.65	_____
HERBICIDES					
glyphosate	pint	1.78	6.0000	10.73	_____
INSECTICIDES					
Methyl Parathion 4EC	pt	3.96	1.0000	3.96	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.63	45.0000	28.58	_____
CUSTOM FERT/LIME					
Cstm ap grd fert dry	acre	4.75	1.0000	4.75	_____
CUSTOM HARVEST/HAUL					
Cstm Haul	bu	0.15	45.0000	6.75	_____
OPERATOR LABOR					
Implements	hour	8.12	0.2250	1.82	_____
Tractors	hour	8.12	0.5420	4.40	_____
Self-Propelled	hour	8.12	0.1660	1.35	_____
IRRIGATION LABOR					
Center Pivot	hour	8.12	0.1856	1.52	_____
DIESEL FUEL					
Tractors	gal	2.20	4.6745	10.28	_____
Self-Propelled	gal	2.20	1.7098	3.76	_____
Center Pivot	gal	2.20	16.0000	35.20	_____
REPAIR & MAINTENANCE					
Implements	acre	3.26	1.0000	3.26	_____
Tractors	acre	1.63	1.0000	1.63	_____
Self-Propelled	acre	3.37	1.0000	3.37	_____
Center Pivot	lac-in	0.93	8.0000	7.52	_____
INTEREST ON OP. CAP.	acre	6.86	1.0000	6.86	_____
TOTAL DIRECT EXPENSES				182.15	_____
FIXED EXPENSES					
Implements	acre	6.77	1.0000	6.77	_____
Tractors	acre	11.99	1.0000	11.99	_____
Self-Propelled	acre	12.52	1.0000	12.52	_____
Center Pivot	each	7431.49	0.0083	61.93	_____
TOTAL FIXED EXPENSES				93.21	_____
TOTAL SPECIFIED EXPENSES				275.36	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Full Season, Soybeans, Center Pivot, Roundup Ready, 2006

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'	MFWD 190	0.082	2.00	Apr	4.53	4.84	0.89	2.27	0.21	1.73				14.26
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.75	4.75	4.75
0-18-36	lbs											200.0000	0.13	26.65	26.65
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Triple K	26.57'	MFWD 190	0.052	1.00	May	1.44	1.54	0.27	0.63	0.06	0.54				4.42
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	2.47	2.33	0.81	1.47	0.27	2.24				9.32
Soybean Seed RR	lb											45.0000	0.63	28.58	28.58
Ditcher, rear mount	3'	2WD 150	1.617	0.10	May	3.47	3.28	1.29	2.40	0.21	1.71				12.15
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Cstm ap air insect	acre			1.00	Jul							1.0000	5.50	5.50	5.50
Methyl Parathion 4EC	pt											1.0000	3.96	3.96	3.96
Cstm ap grd herbicid	acre			1.00	Aug							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Combine 4WD Soybean	25'		0.166	1.00	Oct	7.13	12.52			0.16	1.35				21.00
Cstm Haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
Center Pivot	each			1.00	May				61.93			0.0083			61.93
Application 1	lac-in			1.00	May			5.34		0.02	0.19	1.0000			5.53
Application 2	lac-in			1.00	Jun			5.34		0.02	0.19	1.0000			5.53
Application 3	lac-in			1.00	Jun			5.34		0.02	0.19	1.0000			5.53
Application 4	lac-in			1.00	Jun			5.34		0.02	0.19	1.0000			5.53
Application 5	lac-in			1.00	Jul			5.34		0.02	0.19	1.0000			5.53
Application 6	lac-in			1.00	Jul			5.34		0.02	0.19	1.0000			5.53
Application 7	lac-in			1.00	Aug			5.34		0.02	0.19	1.0000			5.53
Application 8	lac-in			1.00	Aug			5.34		0.02	0.19	1.0000			5.53
TOTALS						19.04	24.51	45.98	68.70	1.11	9.09			101.18	268.50
INTEREST ON OPERATING CAPITAL															6.86
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															275.36

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AG-944-12-05

Estimating 2006 Costs of Production Full Season, Flood Irrigation, Roundup Ready

AG-945-12-05

C. Robert Stark, Jr., Associate Professor-Agriculture Economics
UA Cooperative Extension Service/UAM Division of Agriculture
Chris Tingle, Extension Agronomist-Soybeans

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Cstm ap grd herbicid	acre	4.75	3.0000	14.25	_____
Cstm ap air insect	acre	5.50	1.0000	5.50	_____
FERTILIZERS					
0-18-36	lbs	0.13	200.0000	26.65	_____
HERBICIDES					
glyphosate	pint	1.78	6.0000	10.73	_____
INSECTICIDES					
Methyl Parathion 4EC	pt	3.96	1.0000	3.96	_____
SEED/PLANTS					
Soybean Seed RR	lb	0.63	45.0000	28.58	_____
CUSTOM FERT/LIME					
Cstm ap grd fert dry	acre	4.75	1.0000	4.75	_____
CUSTOM HARVEST/HAUL					
Cstm Haul	bu	0.15	45.0000	6.75	_____
OPERATOR LABOR					
Implements	hour	8.12	0.4072	3.32	_____
Tractors	hour	8.12	1.5442	12.54	_____
Self-Propelled	hour	8.12	0.1660	1.35	_____
IRRIGATION LABOR					
Flood Irr. Soybeans	hour	8.12	0.1307	1.05	_____
DIESEL FUEL					
Tractors	gal	2.20	11.9425	26.26	_____
Self-Propelled	gal	2.20	1.7098	3.76	_____
Flood Irr. Soybeans	gal	2.20	13.0000	28.60	_____
REPAIR & MAINTENANCE					
Implements	acre	4.19	1.0000	4.19	_____
Tractors	acre	4.00	1.0000	4.00	_____
Self-Propelled	acre	3.37	1.0000	3.37	_____
Flood Irr. Soybeans	lac-in	0.19	13.0000	2.59	_____
INTEREST ON OP. CAP.	acre	6.78	1.0000	6.78	_____
TOTAL DIRECT EXPENSES				198.99	_____
FIXED EXPENSES					
Implements	acre	9.52	1.0000	9.52	_____
Tractors	acre	29.47	1.0000	29.47	_____
Self-Propelled	acre	12.52	1.0000	12.52	_____
Flood Irr. Soybeans	each	2322.34	0.0083	19.35	_____
TOTAL FIXED EXPENSES				70.86	_____
TOTAL SPECIFIED EXPENSES				269.85	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Full Season, Soybeans, Flood Irrigation, Roundup Ready, 2006

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'	MFWD 190	0.082	2.00	Apr	4.53	4.84	0.89	2.27	0.21	1.73				14.26
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.75	4.75	4.75
0-18-36	lbs											200.0000	0.13	26.65	26.65
Cstm ap grd herbicid	acre			1.00	May							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Triple K	26.57'	MFWD 190	0.052	1.00	May	1.44	1.54	0.27	0.63	0.06	0.54				4.42
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	2.47	2.33	0.81	1.47	0.27	2.24				9.32
Soybean Seed RR	lb											45.0000	0.63	28.58	28.58
Ditcher, rear mount	3'	2WD 150	1.617	0.10	May	3.47	3.28	1.29	2.40	0.21	1.71				12.15
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Row cult 8r@30"	20'	2WD 150	0.129	1.00	Jul	2.77	2.61	0.30	0.55	0.16	1.36				7.59
Land float	16'x56'	MFWD 190	0.138	2.00	Jul	7.62	8.15	0.19	0.80	0.35	2.92				19.68
Levee disk-build	9'	2WD 170	0.196	0.15	Jul	0.71	0.68	0.05	0.12	0.03	0.31				1.87
Blade, rear mount	8'	2WD 75	1.550	0.05	Jul	0.80	0.55	0.03	0.15	0.10	0.82				2.35
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Jul	0.48	0.45	0.03	0.08	0.02	0.21				1.25
Cstm ap air insect	acre			1.00	Jul							1.0000	5.50	5.50	5.50
Methyl Parathion 4EC pt												1.0000	3.96	3.96	3.96
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.71	0.68	0.05	0.12	0.03	0.31				1.87
Blade, rear mount	8'	2WD 75	1.550	0.05	Aug	0.80	0.55	0.03	0.15	0.10	0.82				2.35
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.48	0.45	0.03	0.08	0.02	0.21				1.25
Cstm ap grd herbicid	acre			1.00	Aug							1.0000	4.75	4.75	4.75
glyphosate	pint											2.0000	1.78	3.58	3.58
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.71	0.68	0.05	0.12	0.03	0.31				1.87
Blade, rear mount	8'	2WD 75	1.550	0.05	Aug	0.80	0.55	0.03	0.15	0.10	0.82				2.35
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Sep	0.48	0.45	0.03	0.08	0.02	0.21				1.25
Levee disk-build	9'	2WD 170	0.196	0.15	Sep	0.71	0.68	0.05	0.12	0.03	0.31				1.87
Blade, rear mount	8'	2WD 75	1.550	0.05	Sep	0.80	0.55	0.03	0.15	0.10	0.82				2.35
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Sep	0.48	0.45	0.03	0.08	0.02	0.21				1.25
Combine 4WD Soybean	25'		0.166	1.00	Oct	7.13	12.52			0.16	1.35				21.00
Cstm Haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
Flood Irr. Soybeans	each			1.00	Jul				19.35			0.0083			19.35
Application 1	lac-in			1.00	Jul			9.59		0.04	0.33	4.0000			9.92
Application 2	lac-in			1.00	Aug			7.20		0.03	0.24	3.0000			7.44
Application 3	lac-in			1.00	Aug			7.20		0.03	0.24	3.0000			7.44
Application 4	lac-in			1.00	Sep			7.20		0.03	0.24	3.0000			7.44
TOTALS						37.39	41.99	35.38	28.87	2.24	18.26			101.18	263.07
INTEREST ON OPERATING CAPITAL															6.78
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															269.85

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Estimating 2006 Costs of Production Full Season, Non-Irrigated, Conventional

AG-946-12-05

C. Robert Stark, Jr., Associate Professor-Agriculture Economics
UA Cooperative Extension Service/UAM Division of Agriculture
Chris Tingle, Extension Agronomist-Soybeans

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Cstm ap grd herbicid	acre	4.75	1.0000	4.75	_____
Cstm ap air insect	acre	5.50	1.0000	5.50	_____
Cstm ap air herbicid	acre	5.50	1.0000	5.50	_____
FERTILIZERS					
0-18-36	lbs	0.13	200.0000	26.65	_____
HERBICIDES					
Dual Magnum	pt	12.19	1.5000	18.29	_____
Canopy SP	oz	1.39	3.0000	4.17	_____
Storm	pt	10.10	1.0000	10.11	_____
Select 2EC	oz	1.44	4.0000	5.77	_____
INSECTICIDES					
Methyl Parathion 4EC	pt	3.96	1.0000	3.96	_____
SEED/PLANTS					
Soybean Seed Private	lb	0.38	45.0000	17.10	_____
ADJUVANTS					
Surfactant	pt	1.15	0.4000	0.46	_____
CUSTOM FERT/LIME					
Cstm ap grd fert dry	acre	4.75	1.0000	4.75	_____
CUSTOM HARVEST/HAUL					
Cstm Haul	bu	0.15	25.0000	3.75	_____
OPERATOR LABOR					
Implements	hour	8.12	0.2576	2.09	_____
Tractors	hour	8.12	0.5794	4.71	_____
Self-Propelled	hour	8.12	0.1660	1.35	_____
DIESEL FUEL					
Tractors	gal	2.20	5.0403	11.09	_____
Self-Propelled	gal	2.20	1.7098	3.76	_____
REPAIR & MAINTENANCE					
Implements	acre	3.48	1.0000	3.48	_____
Tractors	acre	1.76	1.0000	1.76	_____
Self-Propelled	acre	3.37	1.0000	3.37	_____
INTEREST ON OP. CAP.	acre	5.64	1.0000	5.64	_____

TOTAL DIRECT EXPENSES				148.01	_____
FIXED EXPENSES					
Implements	acre	7.17	1.0000	7.17	_____
Tractors	acre	12.99	1.0000	12.99	_____
Self-Propelled	acre	12.52	1.0000	12.52	_____

TOTAL FIXED EXPENSES				32.68	_____

TOTAL SPECIFIED EXPENSES				180.69	_____

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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, Full Season, Soybeans, Non-Irrigated, Conventional, 2006

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'	MFWD 190	0.082	2.00	Apr	4.53	4.84	0.89	2.27	0.21	1.73					14.26
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.75	4.75		4.75
0-18-36	lbs											200.0000	0.13	26.65		26.65
Triple K w/sprayer	26.67'	MFWD 190	0.086	1.00	May	2.38	2.54	0.49	1.03	0.13	1.12					7.56
Dual Magnum	pt											1.5000	12.19	18.29		18.29
Canopy SP	oz											3.0000	1.39	4.17		4.17
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	2.47	2.33	0.81	1.47	0.27	2.24					9.32
Soybean Seed Private	lb											45.0000	0.38	17.10		17.10
Ditcher, rear mount	3'	2WD 150	1.617	0.10	May	3.47	3.28	1.29	2.40	0.21	1.71					12.15
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.75	4.75		4.75
Storm	pt											1.0000	10.10	10.11		10.11
Surfactant	pt											0.4000	1.15	0.46		0.46
Cstm ap air insect	acre			1.00	Jul							1.0000	5.50	5.50		5.50
Methyl Parathion 4EC	pt											1.0000	3.96	3.96		3.96
Cstm ap air herbicid	acre			1.00	Aug							1.0000	5.50	5.50		5.50
Select 2EC	oz											4.0000	1.44	5.77		5.77
Combine 4WD Soybean	25'		0.166	1.00	Oct	7.13	12.52			0.16	1.35					21.00
Cstm Haul	bu			1.00	Oct							25.0000	0.15	3.75		3.75
TOTALS						19.98	25.51	3.48	7.17	1.00	8.15			110.76		175.05
INTEREST ON OPERATING CAPITAL																5.64
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																180.69

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AG-946-12-05

Estimating 2006 Costs of Production Full Season, Furrow Irr., Conventional

AG-947-12-05

C. Robert Stark, Jr., Associate Professor-Agriculture Economics
UA Cooperative Extension Service/UAM Division of Agriculture
Chris Tingle, Extension Agronomist-Soybeans

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Cstm ap grd herbicid	acre	4.75	1.0000	4.75	_____
Cstm ap air insect	acre	5.50	1.0000	5.50	_____
Cstm ap air herbicid	acre	5.50	1.0000	5.50	_____
FERTILIZERS					
0-18-36	lbs	0.13	200.0000	26.65	_____
HERBICIDES					
Dual Magnum	pt	12.19	1.5000	18.29	_____
Canopy SP	oz	1.39	3.0000	4.17	_____
Storm	pt	10.10	1.0000	10.11	_____
Select 2EC	oz	1.44	4.0000	5.77	_____
INSECTICIDES					
Methyl Parathion 4EC	pt	3.96	1.0000	3.96	_____
IRRIGATION SUPPLIES					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
SEED/PLANTS					
Soybean Seed Private	lb	0.38	45.0000	17.10	_____
ADJUVANTS					
Surfactant	pt	1.15	0.4000	0.46	_____
CUSTOM FERT/LIME					
Cstm ap grd fert dry	acre	4.75	1.0000	4.75	_____
CUSTOM HARVEST/HAUL					
Cstm Haul	bu	0.15	45.0000	6.75	_____
OPERATOR LABOR					
Implements	hour	8.12	0.3092	2.51	_____
Tractors	hour	8.12	0.8632	7.01	_____
Self-Propelled	hour	8.12	0.1660	1.35	_____
IRRIGATION LABOR					
Furrow Irrigation	hour	8.12	0.4148	3.35	_____
DIESEL FUEL					
Tractors	gal	2.20	7.2314	15.91	_____
Self-Propelled	gal	2.20	1.7098	3.76	_____
Furrow Irrigation	gal	2.20	15.0000	33.00	_____
REPAIR & MAINTENANCE					
Implements	acre	4.08	1.0000	4.08	_____
Tractors	acre	2.48	1.0000	2.48	_____
Self-Propelled	acre	3.37	1.0000	3.37	_____
Furrow Irrigation	lac-in	0.23	15.0000	3.45	_____
INTEREST ON OP. CAP.	acre	7.65	1.0000	7.65	_____
TOTAL DIRECT EXPENSES				207.43	_____
FIXED EXPENSES					
Implements	acre	8.27	1.0000	8.27	_____
Tractors	acre	18.21	1.0000	18.21	_____
Self-Propelled	acre	12.52	1.0000	12.52	_____
Furrow Irrigation	each	2322.34	0.0083	19.35	_____
TOTAL FIXED EXPENSES				58.35	_____
TOTAL SPECIFIED EXPENSES				265.78	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Full Season, Soybeans, Furrow Irrigation, Conventional, 2006

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'	MFWD 190	0.082	2.00	Apr	4.53	4.84	0.89	2.27	0.21	1.73					14.26
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.75	4.75		4.75
0-18-36	lbs											200.0000	0.13	26.65		26.65
Triple K w/sprayer	26.67'	MFWD 190	0.086	1.00	May	2.38	2.54	0.49	1.03	0.13	1.12					7.56
Dual Magnum	pt											1.5000	12.19	18.29		18.29
Canopy SP	oz											3.0000	1.39	4.17		4.17
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	2.47	2.33	0.81	1.47	0.27	2.24					9.32
Soybean Seed Private	lb											45.0000	0.38	17.10		17.10
Ditcher, rear mount	3'	2WD 150	1.617	0.10	May	3.47	3.28	1.29	2.40	0.21	1.71					12.15
Row cult 8r@30"	20'	2WD 150	0.129	1.00	May	2.77	2.61	0.30	0.55	0.16	1.36					7.59
Row cult 8r@30"	20'	2WD 150	0.129	1.00	May	2.77	2.61	0.30	0.55	0.16	1.36					7.59
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.75	4.75		4.75
Storm	pt											1.0000	10.10	10.11		10.11
Surfactant	pt											0.4000	1.15	0.46		0.46
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75		5.75
Cstm ap air insect	acre			1.00	Jul							1.0000	5.50	5.50		5.50
Methyl Parathion 4EC	pt											1.0000	3.96	3.96		3.96
Cstm ap air herbicid	acre			1.00	Aug							1.0000	5.50	5.50		5.50
Select 2EC	oz											4.0000	1.44	5.77		5.77
Combine 4WD Soybean	25'		0.166	1.00	Oct	7.13	12.52			0.16	1.35					21.00
Cstm Haul	bu			1.00	Oct							45.0000	0.15	6.75		6.75
Furrow Irrigation	each			1.00	Jun				19.35			0.0083				19.35
Application 1	lac-in			1.00	Jun			7.29		0.08	0.67	3.0000				7.96
Application 2	lac-in			1.00	Jun			7.29		0.08	0.67	3.0000				7.96
Application 3	lac-in			1.00	Jul			7.29		0.08	0.67	3.0000				7.96
Application 4	lac-in			1.00	Jul			7.29		0.08	0.67	3.0000				7.96
Application 5	lac-in			1.00	Aug			7.29		0.08	0.67	3.0000				7.96
TOTALS						25.52	30.73	40.53	27.62	1.75	14.22			119.51		258.13
INTEREST ON OPERATING CAPITAL																7.65
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																265.78

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AG-947-12-05

Estimating 2006 Costs of Production
Full Season, Border Irrigation, Conventional

AG-948-12-05

C. Robert Stark, Jr., Associate Professor-Agriculture Economics
UA Cooperative Extension Service/UAM Division of Agriculture
Chris Tingle, Extension Agronomist-Soybeans

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Cstm ap grd herbicid	acre	4.75	1.0000	4.75	_____
Cstm ap air insect	acre	5.50	1.0000	5.50	_____
Cstm ap air herbicid	acre	5.50	1.0000	5.50	_____
FERTILIZERS					
0-18-36	lbs	0.13	200.0000	26.65	_____
HERBICIDES					
Dual Magnum	pt	12.19	1.5000	18.29	_____
Canopy SP	oz	1.39	3.0000	4.17	_____
Storm	pt	10.10	1.0000	10.11	_____
Select 2EC	oz	1.44	4.0000	5.77	_____
INSECTICIDES					
Methyl Parathion 4EC	pt	3.96	1.0000	3.96	_____
IRRIGATION SUPPLIES					
Flex irrigation tube	acre	5.75	1.0000	5.75	_____
SEED/PLANTS					
Soybean Seed Private	lb	0.38	45.0000	17.10	_____
ADJUVANTS					
Surfactant	pt	1.15	0.4000	0.46	_____
CUSTOM FERT/LIME					
Cstm ap grd fert dry	acre	4.75	1.0000	4.75	_____
CUSTOM HARVEST/HAUL					
Cstm Haul	bu	0.15	45.0000	6.75	_____
OPERATOR LABOR					
Implements	hour	8.12	0.2772	2.25	_____
Tractors	hour	8.12	0.6872	5.59	_____
Self-Propelled	hour	8.12	0.1660	1.35	_____
IRRIGATION LABOR					
Border Irrigation	hour	8.12	0.2715	2.20	_____
DIESEL FUEL					
Tractors	gal	2.20	5.9835	13.17	_____
Self-Propelled	gal	2.20	1.7098	3.76	_____
Border Irrigation	gal	2.20	12.0000	26.40	_____
REPAIR & MAINTENANCE					
Implements	acre	3.65	1.0000	3.65	_____
Tractors	acre	2.06	1.0000	2.06	_____
Self-Propelled	acre	3.37	1.0000	3.37	_____
Border Irrigation	lac-in	0.23	12.0000	2.76	_____
INTEREST ON OP. CAP.	acre	6.92	1.0000	6.92	_____
TOTAL DIRECT EXPENSES				192.99	_____
FIXED EXPENSES					
Implements	acre	7.58	1.0000	7.58	_____
Tractors	acre	15.25	1.0000	15.25	_____
Self-Propelled	acre	12.52	1.0000	12.52	_____
Border Irrigation	each	2322.34	0.0083	19.35	_____
TOTAL FIXED EXPENSES				54.70	_____
TOTAL SPECIFIED EXPENSES				247.69	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Full Season, Soybeans, Border Irrigation, Conventional, 2006

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'	MFWD 190	0.082	2.00	Apr	4.53	4.84	0.89	2.27	0.21	1.73					14.26
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.75	4.75		4.75
0-18-36	lbs											200.0000	0.13	26.65		26.65
Triple K w/sprayer	26.67'	MFWD 190	0.086	1.00	May	2.38	2.54	0.49	1.03	0.13	1.12					7.56
Dual Magnum	pt											1.5000	12.19	18.29		18.29
Canopy SP	oz											3.0000	1.39	4.17		4.17
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	2.47	2.33	0.81	1.47	0.27	2.24					9.32
Soybean Seed Private	lb											45.0000	0.38	17.10		17.10
Ditcher, rear mount	3'	2WD 150	1.617	0.10	May	3.47	3.28	1.29	2.40	0.21	1.71					12.15
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.75	4.75		4.75
Storm	pt											1.0000	10.10	10.11		10.11
Surfactant	pt											0.4000	1.15	0.46		0.46
Flex irrigation tube	acre			1.00	Jun							1.0000	5.75	5.75		5.75
Levee disk-build	9'	2WD 170	0.196	0.50	Jul	2.38	2.26	0.17	0.41	0.12	1.04					6.26
Cstm ap air insect	acre			1.00	Jul							1.0000	5.50	5.50		5.50
Methyl Parathion 4EC	pt											1.0000	3.96	3.96		3.96
Cstm ap air herbicid	acre			1.00	Aug							1.0000	5.50	5.50		5.50
Select 2EC	oz											4.0000	1.44	5.77		5.77
Combine 4WD Soybean	25'		0.166	1.00	Oct	7.13	12.52			0.16	1.35					21.00
Cstm Haul	bu			1.00	Oct							45.0000	0.15	6.75		6.75
Border Irrigation	each			1.00	Jul				19.35			0.0083				19.35
Application 1	lac-in			1.00	Jul			7.29		0.06	0.55	3.0000				7.84
Application 2	lac-in			1.00	Jul			7.29		0.06	0.55	3.0000				7.84
Application 3	lac-in			1.00	Aug			7.29		0.06	0.55	3.0000				7.84
Application 4	lac-in			1.00	Aug			7.29		0.06	0.55	3.0000				7.84
TOTALS						22.36	27.77	32.81	26.93	1.40	11.39			119.51		240.77
INTEREST ON OPERATING CAPITAL																6.92
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																247.69

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Estimating 2006 Costs of Production Full Season, Center Pivot, Conventional

AG-949-12-05

C. Robert Stark, Jr., Associate Professor-Agriculture Economics
UA Cooperative Extension Service/UAM Division of Agriculture
Chris Tingle, Extension Agronomist-Soybeans

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Cstm ap grd herbicid	acre	4.75	1.0000	4.75	_____
Cstm ap air insect	acre	5.50	1.0000	5.50	_____
Cstm ap air herbicid	acre	5.50	1.0000	5.50	_____
FERTILIZERS					
0-18-36	lbs	0.13	200.0000	26.65	_____
HERBICIDES					
Dual Magnum	pt	12.19	1.5000	18.29	_____
Canopy SP	oz	1.39	3.0000	4.17	_____
Storm	pt	10.10	1.0000	10.11	_____
Select 2EC	oz	1.44	4.0000	5.77	_____
INSECTICIDES					
Methyl Parathion 4EC	pt	3.96	1.0000	3.96	_____
SEED/PLANTS					
Soybean Seed Private	lb	0.38	45.0000	17.10	_____
ADJUVANTS					
Surfactant	pt	1.15	0.4000	0.46	_____
CUSTOM FERT/LIME					
Cstm ap grd fert dry	acre	4.75	1.0000	4.75	_____
CUSTOM HARVEST/HAUL					
Cstm Haul	bu	0.15	45.0000	6.75	_____
OPERATOR LABOR					
Implements	hour	8.12	0.2576	2.09	_____
Tractors	hour	8.12	0.5794	4.71	_____
Self-Propelled	hour	8.12	0.1660	1.35	_____
IRRIGATION LABOR					
Center Pivot	hour	8.12	0.1856	1.52	_____
DIESEL FUEL					
Tractors	gal	2.20	5.0403	11.09	_____
Self-Propelled	gal	2.20	1.7098	3.76	_____
Center Pivot	gal	2.20	16.0000	35.20	_____
REPAIR & MAINTENANCE					
Implements	acre	3.48	1.0000	3.48	_____
Tractors	acre	1.76	1.0000	1.76	_____
Self-Propelled	acre	3.37	1.0000	3.37	_____
Center Pivot	lac-in	0.93	8.0000	7.52	_____
INTEREST ON OP. CAP.	acre	7.20	1.0000	7.20	_____

TOTAL DIRECT EXPENSES				196.81	_____
FIXED EXPENSES					
Implements	acre	7.17	1.0000	7.17	_____
Tractors	acre	12.99	1.0000	12.99	_____
Self-Propelled	acre	12.52	1.0000	12.52	_____
Center Pivot	each	7431.49	0.0083	61.93	_____

TOTAL FIXED EXPENSES				94.61	_____

TOTAL SPECIFIED EXPENSES				291.42	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Full Season, Soybeans, Center Pivot, Conventional, 2006

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'	MFWD 190	0.082	2.00	Apr	4.53	4.84	0.89	2.27	0.21	1.73				14.26
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.75	4.75	4.75
0-18-36	lbs											200.0000	0.13	26.65	26.65
Triple K w/sprayer	26.67'	MFWD 190	0.086	1.00	May	2.38	2.54	0.49	1.03	0.13	1.12				7.56
Dual Magnum	pt											1.5000	12.19	18.29	18.29
Canopy SP	oz											3.0000	1.39	4.17	4.17
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	2.47	2.33	0.81	1.47	0.27	2.24				9.32
Soybean Seed Private	lb											45.0000	0.38	17.10	17.10
Ditcher, rear mount	3'	2WD 150	1.617	0.10	May	3.47	3.28	1.29	2.40	0.21	1.71				12.15
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.75	4.75	4.75
Storm	pt											1.0000	10.10	10.11	10.11
Surfactant	pt											0.4000	1.15	0.46	0.46
Cstm ap air insect	acre			1.00	Jul							1.0000	5.50	5.50	5.50
Methyl Parathion 4EC	pt											1.0000	3.96	3.96	3.96
Cstm ap air herbicid	acre			1.00	Aug							1.0000	5.50	5.50	5.50
Select 2EC	oz											4.0000	1.44	5.77	5.77
Combine 4WD Soybean	25'		0.166	1.00	Oct	7.13	12.52			0.16	1.35				21.00
Cstm Haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
Center Pivot	each			1.00	May				61.93			0.0083			61.93
Application 1	lac-in			1.00	May			5.34		0.02	0.19	1.0000			5.53
Application 2	lac-in			1.00	Jun			5.34		0.02	0.19	1.0000			5.53
Application 3	lac-in			1.00	Jun			5.34		0.02	0.19	1.0000			5.53
Application 4	lac-in			1.00	Jun			5.34		0.02	0.19	1.0000			5.53
Application 5	lac-in			1.00	Jul			5.34		0.02	0.19	1.0000			5.53
Application 6	lac-in			1.00	Jul			5.34		0.02	0.19	1.0000			5.53
Application 7	lac-in			1.00	Aug			5.34		0.02	0.19	1.0000			5.53
Application 8	lac-in			1.00	Aug			5.34		0.02	0.19	1.0000			5.53
TOTALS						19.98	25.51	46.20	69.10	1.18	9.67			113.76	284.22
INTEREST ON OPERATING CAPITAL															7.20
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															291.42

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Estimating 2006 Costs of Production
Full Season, Flood Irrigation, Conventional

AG-950-12-05

C. Robert Stark, Jr., Associate Professor-Agriculture Economics
UA Cooperative Extension Service/UAM Division of Agriculture
Chris Tingle, Extension Agronomist-Soybeans

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
Cstm ap grd herbicid	acre	4.75	1.0000	4.75	_____
Cstm ap air insect	acre	5.50	1.0000	5.50	_____
Cstm ap air herbicid	acre	5.50	1.0000	5.50	_____
FERTILIZERS					
0-18-36	lbs	0.13	200.0000	26.65	_____
HERBICIDES					
Dual Magnum	pt	12.19	1.5000	18.29	_____
Canopy SP	oz	1.39	3.0000	4.17	_____
Storm	pt	10.10	1.0000	10.11	_____
Select 2EC	oz	1.44	4.0000	5.77	_____
INSECTICIDES					
Methyl Parathion 4EC	pt	3.96	1.0000	3.96	_____
SEED/PLANTS					
Soybean Seed Private	lb	0.38	45.0000	17.10	_____
ADJUVANTS					
Surfactant	pt	1.15	0.4000	0.46	_____
CUSTOM FERT/LIME					
Cstm ap grd fert dry	acre	4.75	1.0000	4.75	_____
CUSTOM HARVEST/HAUL					
Cstm Haul	bu	0.15	45.0000	6.75	_____
OPERATOR LABOR					
Implements	hour	8.12	0.4398	3.59	_____
Tractors	hour	8.12	1.5816	12.85	_____
Self-Propelled	hour	8.12	0.1660	1.35	_____
IRRIGATION LABOR					
Flood Irr. Soybeans	hour	8.12	0.1307	1.05	_____
DIESEL FUEL					
Tractors	gal	2.20	12.3083	27.07	_____
Self-Propelled	gal	2.20	1.7098	3.76	_____
Flood Irr. Soybeans	gal	2.20	13.0000	28.60	_____
REPAIR & MAINTENANCE					
Implements	acre	4.41	1.0000	4.41	_____
Tractors	acre	4.13	1.0000	4.13	_____
Self-Propelled	acre	3.37	1.0000	3.37	_____
Flood Irr. Soybeans	lac-in	0.19	13.0000	2.59	_____
INTEREST ON OP. CAP.	acre	7.34	1.0000	7.34	_____
TOTAL DIRECT EXPENSES				213.87	_____
FIXED EXPENSES					
Implements	acre	9.92	1.0000	9.92	_____
Tractors	acre	30.47	1.0000	30.47	_____
Self-Propelled	acre	12.52	1.0000	12.52	_____
Flood Irr. Soybeans	each	2322.34	0.0083	19.35	_____
TOTAL FIXED EXPENSES				72.26	_____
TOTAL SPECIFIED EXPENSES				286.13	_____

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Table 2. Estimated resource use and costs for field operations, per acre, Full Season, Soybeans, Flood Irrigation, Conventional, 2006

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-----			
Disk, medium cut	26.41'	MFWD 190	0.082	2.00	Apr	4.53	4.84	0.89	2.27	0.21	1.73				14.26
Cstm ap grd fert dry	acre			1.00	May							1.0000	4.75	4.75	4.75
0-18-36	lbs											200.0000	0.13	26.65	26.65
Triple K w/sprayer	26.67'	MFWD 190	0.086	1.00	May	2.38	2.54	0.49	1.03	0.13	1.12				7.56
Dual Magnum	pt											1.5000	12.19	18.29	18.29
Canopy SP	oz											3.0000	1.39	4.17	4.17
Planter 8r@30"	20'	2WD 150	0.115	1.00	May	2.47	2.33	0.81	1.47	0.27	2.24				9.32
Soybean Seed Private	lb											45.0000	0.38	17.10	17.10
Ditcher, rear mount	3'	2WD 150	1.617	0.10	May	3.47	3.28	1.29	2.40	0.21	1.71				12.15
Cstm ap grd herbicid	acre			1.00	Jun							1.0000	4.75	4.75	4.75
Storm	pt											1.0000	10.10	10.11	10.11
Surfactant	pt											0.4000	1.15	0.46	0.46
Row cult 8r@30"	20'	2WD 150	0.129	1.00	Jul	2.77	2.61	0.30	0.55	0.16	1.36				7.59
Land float	16'x56'	MFWD 190	0.138	2.00	Jul	7.62	8.15	0.19	0.80	0.35	2.92				19.68
Levee disk-build	9'	2WD 170	0.196	0.15	Jul	0.71	0.68	0.05	0.12	0.03	0.31				1.87
Blade, rear mount	8'	2WD 75	1.550	0.05	Jul	0.80	0.55	0.03	0.15	0.10	0.82				2.35
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Jul	0.48	0.45	0.03	0.08	0.02	0.21				1.25
Cstm ap air insect	acre			1.00	Jul							1.0000	5.50	5.50	5.50
Methyl Parathion 4EC	pt											1.0000	3.96	3.96	3.96
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.71	0.68	0.05	0.12	0.03	0.31				1.87
Blade, rear mount	8'	2WD 75	1.550	0.05	Aug	0.80	0.55	0.03	0.15	0.10	0.82				2.35
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Aug	0.48	0.45	0.03	0.08	0.02	0.21				1.25
Cstm ap air herbicid	acre			1.00	Aug							1.0000	5.50	5.50	5.50
Select 2EC	oz											4.0000	1.44	5.77	5.77
Levee disk-build	9'	2WD 170	0.196	0.15	Aug	0.71	0.68	0.05	0.12	0.03	0.31				1.87
Blade, rear mount	8'	2WD 75	1.550	0.05	Aug	0.80	0.55	0.03	0.15	0.10	0.82				2.35
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Sep	0.48	0.45	0.03	0.08	0.02	0.21				1.25
Levee disk-build	9'	2WD 170	0.196	0.15	Sep	0.71	0.68	0.05	0.12	0.03	0.31				1.87
Blade, rear mount	8'	2WD 75	1.550	0.05	Sep	0.80	0.55	0.03	0.15	0.10	0.82				2.35
Levee disk-knock dwn	9'	2WD 170	0.196	0.10	Sep	0.48	0.45	0.03	0.08	0.02	0.21				1.25
Combine 4WD Soybean	25'		0.166	1.00	Oct	7.13	12.52			0.16	1.35				21.00
Cstm Haul	bu			1.00	Oct							45.0000	0.15	6.75	6.75
Flood Irr. Soybeans	each			1.00	Jul				19.35			0.0083			19.35
Application 1	lac-in			1.00	Jul			9.59		0.04	0.33	4.0000			9.92
Application 2	lac-in			1.00	Aug			7.20		0.03	0.24	3.0000			7.44
Application 3	lac-in			1.00	Aug			7.20		0.03	0.24	3.0000			7.44
Application 4	lac-in			1.00	Sep			7.20		0.03	0.24	3.0000			7.44
TOTALS						38.33	42.99	35.60	29.27	2.31	18.84			113.76	278.79
INTEREST ON OPERATING CAPITAL															7.34
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															286.13

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