

Estimating 2002 Costs of Production
Rice, Silt Loam Soils,
Eastern Arkansas, 2002

AG-650-11-01

Tony E. Windham, Extension Economist - Management
Jennifer Lafferty, Agricultural Economics Associate

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Rice seed	bu	6.00	2.2000	13.20	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm laser survey	acre	2.50	1.0000	2.50	_____
Cstm ap air herbicid	acre	4.50	1.5000	6.75	_____
Cstm ap air fert	lb	0.05	230.0000	11.50	_____
Cstm levee spray	acre	1.75	1.0000	1.75	_____
Cstm ap air fert	acre	4.50	1.0000	4.50	_____
Cstm ap air fungicid	acre	4.50	0.2000	0.90	_____
Custom haul rice	bu	0.12	135.0000	16.20	_____
Custom dry rice	bu	0.30	135.0000	40.50	_____
FERTILIZER & LIME					
0-30-60	lbs	0.08	100.0000	8.60	_____
Urea 46%	lb	0.08	330.0000	26.40	_____
FUNGICIDE & SEED TR.					
Vitavax (rice)	bu	1.25	2.2000	2.75	_____
Apron XL	oz	7.36	0.0421	0.31	_____
Release	bu	1.70	2.2000	3.74	_____
Foliar Fungicide	oz	2.27	2.4600	5.58	_____
HERBICIDES					
Facet	lb	47.00	0.3300	15.51	_____
Prowl 3.3	pint	2.28	2.4000	5.47	_____
Propanil (Stam) 4EC	pint	2.29	3.0000	6.87	_____
Permit	oz	12.95	0.5000	6.47	_____
2,4-D Amine	pint	1.41	0.2000	0.28	_____
MISC. IRRIGATION					
Levee gates (plastic)	acre	1.45	1.0000	1.45	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3331	2.12	_____
Tractors	hour	6.39	0.9746	6.22	_____
Self-Propelled Eq.	hour	6.39	0.4162	2.65	_____
IRRIGATION LABOR					
Flood irrg.- rice	hour	6.39	0.2400	1.53	_____
DIESEL FUEL					
Tractors	gal	1.00	9.0688	9.06	_____
Self-Propelled Eq.	gal	1.00	3.4299	3.42	_____
Flood irrg.- rice	gal	1.00	24.0000	24.00	_____
REPAIR & MAINTENANCE					
Implements	acre	2.72	1.0000	2.72	_____
Tractors	acre	6.90	1.0000	6.90	_____
Self-Propelled Eq.	acre	7.82	1.0000	7.82	_____
Flood irrg.- rice	acre	5.16	1.0000	5.16	_____
INTEREST ON OP. CAP.	acre	5.08	1.0000	5.08	_____
TOTAL DIRECT EXPENSES				261.99	_____
FIXED EXPENSES					
Implements	acre	6.39	1.0000	6.39	_____
Tractors	acre	15.79	1.0000	15.79	_____
Self-Propelled Eq.	acre	26.58	1.0000	26.58	_____
Flood irrg.- rice	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				65.09	_____
TOTAL SPECIFIED EXPENSES				327.09	_____

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of race, color, national origin, religion, gender, age, or disability, marital or veteran's 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 Rice, Silt Loam Soils, Eastern Arkansas, 2002

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	1.56	1.55	0.44	1.03	0.106	0.68				5.27
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.56	1.55	0.44	1.03	0.106	0.68				5.27
Land float	16'x 56'	MFWD190	0.138	2.00	Mar	5.25	5.23	0.18	0.71	0.358	2.29				13.67
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00	4.00
0-30-60	lbs											100.0000	0.08	8.60	8.60
Field cultivator	25.5'	MFWD190	0.054	1.00	Apr	1.02	1.02	0.20	0.43	0.070	0.44				3.13
Grain drill	20'	MFWD190	0.118	1.00	Apr	2.24	2.23	0.82	1.68	0.283	1.80				8.80
Rice seed	bu											2.0000	6.00	12.00	12.00
Vitavax (rice)	bu											2.0000	1.25	2.50	2.50
Apron XL	oz											0.0383	7.36	0.28	0.28
Release	bu											2.0000	1.70	3.40	3.40
Roller smooth 30"dia	32'	MFWD 150	0.054	1.00	Apr	0.82	0.84	0.09	0.40	0.070	0.44				2.61
Cstm laser survey	acre			1.00	Apr							1.0000	2.50	2.50	2.50
Ditcher, rear mount	3'	MFWD 150	1.618	0.01	Apr	0.24	0.25	0.12	0.21	0.021	0.13				0.98
Levee disk	9'	2WD 170	0.196	0.20	Apr	0.63	0.58	0.06	0.15	0.050	0.32				1.76
Levee disk/w box sdr	9'	2WD 170	0.238	0.10	Apr	0.38	0.35	0.08	0.15	0.057	0.36				1.35
Rice seed	bu											0.2000	6.00	1.20	1.20
Vitavax (rice)	bu											0.2000	1.25	0.25	0.25
Apron XL	oz											0.0038	7.36	0.02	0.02
Release	bu											0.2000	1.70	0.34	0.34
Blade, rear mount	8'	2WD 105	0.645	0.05	May	0.32	0.30	0.01	0.05	0.041	0.26				0.95
Levee gates(plastic)	acre			1.00	May							1.0000	1.45	1.45	1.45
Back hoe, rear mount	18'	2WD 105	0.108	0.05	May	0.05	0.05	0.01	0.04	0.007	0.04				0.20
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Facet	lb											0.3300	47.00	15.51	15.51
Prowl 3.3	pint											2.4000	2.28	5.47	5.47
Cstm ap air fert	lb			1.00	May							230.0000	0.05	11.50	11.50
Urea 46%	lb											230.0000	0.08	18.40	18.40
Cstm ap air herbicid	acre			0.50	May							0.5000	4.50	2.25	2.25
Propanil (Stam) 4EC	pint											3.0000	2.29	6.87	6.87
Permit	oz											0.5000	12.95	6.47	6.47
Flood irrg.- rice	ac in			1.00	May			3.64	16.33	0.030	0.19	3.0000			20.16
Flood irrg.- rice	ac in			1.00	Jun			6.07		0.050	0.31	5.0000			6.39
Cstm levee spray	acre			1.00	Jul							1.0000	1.75	1.75	1.75
2,4-D Amine	pint											0.2000	1.41	0.28	0.28
Cstm ap air fert	acre			1.00	Jul							1.0000	4.50	4.50	4.50
Urea 46%	lb											100.0000	0.08	8.00	8.00
Flood irrg.- rice	ac in			1.00	Jul			12.15		0.100	0.63	10.0000			12.78
Cstm ap air fungicid	acre			0.20	Aug							0.2000	4.50	0.90	0.90
Foliar Fungicide	oz											2.4600	2.27	5.58	5.58
Flood irrg.- rice	ac in			1.00	Aug			7.29		0.060	0.38	6.0000			7.67
Combine 4WD Rice	25'		0.333	1.00	Sep			11.25	26.58	0.416	2.65				40.50
Grain buggy	500 bu	MFWD190	0.248	0.25	Sep	1.21	1.21	0.16	0.31	0.083	0.53				3.43
Custom haul rice	bu			1.00	Sep							135.0000	0.12	16.20	16.20
Custom dry rice	bu			1.00	Sep							135.0000	0.30	40.50	40.50
Levee disk-knock dwn	9'	2WD 170	0.196	0.20	Oct	0.63	0.58	0.06	0.15	0.050	0.32				1.76
TOTALS						15.97	15.79	43.14	49.30	1.964	12.55			185.24	322.00
INTEREST ON OPERATING CAPITAL															5.08
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															327.09

Information presented in this document is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm operation. The mention of any commercial product in this analysis does not imply its endorsement by the University of Arkansas Cooperative Extension Service over other products not name, not does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.

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Rice, Clay Soils,
Eastern Arkansas, 2002

AG-651-11-01

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Jennifer Lafferty, Agricultural Economics Associate

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Rice seed	bu	6.00	2.7500	16.50	_____
CUSTOM WORK					
Cstm laser survey	acre	2.50	1.0000	2.50	_____
Cstm ap air herbicid	acre	4.50	1.5000	6.75	_____
Cstm ap air fert	lb	0.05	300.0000	15.00	_____
Cstm levee spray	acre	1.75	1.0000	1.75	_____
Cstm ap air fert	acre	4.50	1.0000	4.50	_____
Cstm ap air fungicid	acre	4.50	0.2000	0.90	_____
Custom haul rice	bu	0.12	135.0000	16.20	_____
Custom dry rice	bu	0.30	135.0000	40.50	_____
FERTILIZER & LIME					
Urea 46%	lb	0.08	400.0000	32.00	_____
FUNGICIDE & SEED TR.					
Release	bu	1.70	2.7500	4.67	_____
Apron XL	oz	7.36	0.0525	0.38	_____
Foliar Fungicide	oz	2.27	2.4600	5.58	_____
HERBICIDES					
Facet	lb	47.00	0.5000	23.50	_____
Prowl 3.3	pint	2.28	2.4000	5.47	_____
Ordram 15G	lb	1.03	10.0000	10.30	_____
Grandstand R	pint	9.56	0.5000	4.78	_____
MISC. IRRIGATION					
Levee gates(plastic)	acre	1.45	1.0000	1.45	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3371	2.15	_____
Tractors	hour	6.39	0.9961	6.36	_____
Self-Propelled Eq.	hour	6.39	0.4162	2.65	_____
IRRIGATION LABOR					
Flood irrg-rice,clay	hour	6.39	0.4800	3.06	_____
DIESEL FUEL					
Tractors	gal	1.00	8.9912	8.99	_____
Self-Propelled Eq.	gal	1.00	3.4299	3.42	_____
Flood irrg-rice,clay	gal	1.00	32.0000	32.00	_____
REPAIR & MAINTENANCE					
Implements	acre	2.76	1.0000	2.76	_____
Tractors	acre	6.67	1.0000	6.67	_____
Self-Propelled Eq.	acre	7.82	1.0000	7.82	_____
Flood irrg-rice,clay	acre	6.88	1.0000	6.88	_____
INTEREST ON OP. CAP.	acre	7.06	1.0000	7.06	_____
TOTAL DIRECT EXPENSES				282.62	_____
FIXED EXPENSES					
Implements	acre	6.46	1.0000	6.46	_____
Tractors	acre	15.27	1.0000	15.27	_____
Self-Propelled Eq.	acre	26.58	1.0000	26.58	_____
Flood irrg-rice,clay	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				64.65	_____
TOTAL SPECIFIED EXPENSES				347.27	_____

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Table 2. Estimated resource use and costs for field operations, per acre Rice, Clay Soils, Eastern Arkansas, 2002

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	1.56	1.55	0.44	1.03	0.106	0.68				5.27
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.56	1.55	0.44	1.03	0.106	0.68				5.27
Land float	16'x 56'	MFWD190	0.138	2.00	Mar	5.25	5.23	0.18	0.71	0.358	2.29				13.67
Field cultivator	25.5'	MFWD190	0.054	1.00	Apr	1.02	1.02	0.20	0.43	0.070	0.44				3.13
Grain drill	20'	2WD 150	0.118	1.00	Apr	1.69	1.58	0.82	1.68	0.283	1.80				7.59
Rice seed	bu											2.5000	6.00	15.00	15.00
Release	bu											2.5000	1.70	4.25	4.25
Apron XL	oz											0.0478	7.36	0.35	0.35
Roller smooth 30"dia	32'	2WD 150	0.054	1.00	Apr	0.77	0.72	0.09	0.40	0.070	0.44				2.43
Cstm laser survey	acre			1.00	Apr							1.0000	2.50	2.50	2.50
Ditcher, rear mount	3'	2WD 150	1.618	0.01	Apr	0.23	0.21	0.12	0.21	0.021	0.13				0.93
Levee disk	9'	2WD 170	0.196	0.30	Apr	0.95	0.88	0.10	0.22	0.076	0.48				2.65
Levee disk/w box sdr	9'	2WD 170	0.238	0.10	Apr	0.38	0.35	0.08	0.15	0.057	0.36				1.35
Rice seed	bu											0.2500	6.00	1.50	1.50
Release	bu											0.2500	1.70	0.42	0.42
Apron XL	oz											0.0047	7.36	0.03	0.03
Blade, rear mount	8'	2WD 105	0.645	0.05	May	0.32	0.30	0.01	0.05	0.041	0.26				0.95
Levee gates(plastic)	acre			1.00	May							1.0000	1.45	1.45	1.45
Back hoe, rear mount	18'	2WD 105	0.108	0.05	May	0.05	0.05	0.01	0.04	0.007	0.04				0.20
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Facet	lb											0.5000	47.00	23.50	23.50
Prowl 3.3	pint											2.4000	2.28	5.47	5.47
Cstm ap air fert	lb			1.00	May							300.0000	0.05	15.00	15.00
Urea 46%	lb											300.0000	0.08	24.00	24.00
Cstm ap air herbicid	acre			0.50	May							0.5000	4.50	2.25	2.25
Ordram 15G	lb											10.0000	1.03	10.30	10.30
Flood irrg-rice,clay	ac in			1.00	May			7.29	16.33	0.090	0.57	6.0000			24.19
Flood irrg-rice,clay	ac in			1.00	Jun			9.72		0.120	0.76	8.0000			10.48
Cstm levee spray	acre			1.00	Jul							1.0000	1.75	1.75	1.75
Grandstand R	pint											0.5000	9.56	4.78	4.78
Cstm ap air fert	acre			1.00	Jul							1.0000	4.50	4.50	4.50
Urea 46%	lb											100.0000	0.08	8.00	8.00
Flood irrg-rice,clay	ac in			1.00	Jul			12.15		0.150	0.95	10.0000			13.10
Cstm ap air fungicid	acre			0.20	Aug							0.2000	4.50	0.90	0.90
Foliar Fungicide	oz											2.4600	2.27	5.58	5.58
Flood irrg-rice,clay	ac in			1.00	Aug			9.72		0.120	0.76	8.0000			10.48
Combine 4WD Rice	25'		0.333	1.00	Sep			11.25	26.58	0.416	2.65				40.50
Grain buggy	500 bu	MFWD190	0.248	0.25	Sep	1.21	1.21	0.16	0.31	0.083	0.53				3.43
Custom haul rice	bu			1.00	Sep							135.0000	0.12	16.20	16.20
Custom dry rice	bu			1.00	Sep							135.0000	0.30	40.50	40.50
Levee disk-knock dwn	9'	2WD 170	0.196	0.20	Oct	0.63	0.58	0.06	0.15	0.050	0.32				1.76
TOTALS						15.66	15.27	52.89	49.38	2.229	14.24			192.74	340.21
INTEREST ON OPERATING CAPITAL															7.06
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															347.27

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Rice, Water Seeded,
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ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Rice seed	bu	6.00	3.0000	18.00	_____
CUSTOM WORK					
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm laser survey	acre	2.50	1.0000	2.50	_____
Cstm ap air herbicid	acre	4.50	2.0000	9.00	_____
Cstm ap air seed	lb	0.04	135.0000	6.07	_____
Cstm levee spray	acre	1.75	1.0000	1.75	_____
Cstm ap air fert	lb	0.05	150.0000	7.50	_____
Cstm ap air fungicid	acre	4.50	0.2000	0.90	_____
Custom haul rice	bu	0.12	135.0000	16.20	_____
Custom dry rice	bu	0.30	135.0000	40.50	_____
FERTILIZER & LIME					
Urea 46%	lb	0.08	400.0000	32.00	_____
FUNGICIDE & SEED TR.					
Insect Seed Trmt	bu	4.51	3.0000	13.53	_____
Foliar Fungicide	oz	2.27	2.4600	5.58	_____
HERBICIDES					
Bolero 8EC	pint	5.24	4.0000	20.96	_____
Londax	oz	14.30	1.0000	14.30	_____
2,4-D Amine	pint	1.41	0.2000	0.28	_____
MISC. IRRIGATION					
Levee gates(plastic)	acre	1.45	1.0000	1.45	_____
OPERATOR LABOR					
Implements	hour	6.39	0.1549	0.99	_____
Tractors	hour	6.39	0.8524	5.44	_____
Self-Propelled Eq.	hour	6.39	0.4162	2.65	_____
IRRIGATION LABOR					
Flood irrg.- rice	hour	6.39	0.3600	2.30	_____
DIESEL FUEL					
Tractors	gal	1.00	8.0234	8.02	_____
Self-Propelled Eq.	gal	1.00	3.4299	3.42	_____
Flood irrg.- rice	gal	1.00	36.0000	36.00	_____
REPAIR & MAINTENANCE					
Implements	acre	1.79	1.0000	1.79	_____
Tractors	acre	6.08	1.0000	6.08	_____
Self-Propelled Eq.	acre	7.82	1.0000	7.82	_____
Flood irrg.- rice	acre	7.74	1.0000	7.74	_____
INTEREST ON OP. CAP.	acre	7.03	1.0000	7.03	_____
TOTAL DIRECT EXPENSES				283.86	_____
FIXED EXPENSES					
Implements	acre	4.41	1.0000	4.41	_____
Tractors	acre	13.92	1.0000	13.92	_____
Self-Propelled Eq.	acre	26.58	1.0000	26.58	_____
Flood irrg.- rice	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				61.25	_____
TOTAL SPECIFIED EXPENSES				345.11	_____

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Table 2. Estimated resource use and costs for field operations, per acre Rice, Water Seeded, Eastern Arkansas, 2002

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	1.56	1.55	0.44	1.03	0.106	0.68					5.27
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.56	1.55	0.44	1.03	0.106	0.68					5.27
Land float	16'x 56'	MFWD190	0.138	2.00	Mar	5.25	5.23	0.18	0.71	0.358	2.29					13.67
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00		4.00
Urea 46%	lb											250.0000	0.08	20.00		20.00
Field cultivator	25.5'	MFWD190	0.054	1.00	Apr	1.02	1.02	0.20	0.43	0.070	0.44					3.13
Roller (wheels)	20'	MFWD190	0.081	1.00	Apr	1.54	1.53	0.05	0.24	0.105	0.67					4.05
Cstm laser survey	acre			1.00	Apr							1.0000	2.50	2.50		2.50
Ditcher, rear mount	3'	2WD 150	1.618	0.01	Apr	0.23	0.21	0.12	0.21	0.021	0.13					0.93
Levee disk	9'	2WD 170	0.196	0.20	Apr	0.63	0.58	0.06	0.15	0.050	0.32					1.76
Blade, rear mount	8'	2WD 105	0.645	0.05	May	0.32	0.30	0.01	0.05	0.041	0.26					0.95
Levee gates (plastic)	acre			1.00	May							1.0000	1.45	1.45		1.45
Back hoe, rear mount	18'	2WD 105	0.108	0.05	May	0.05	0.05	0.01	0.04	0.007	0.04					0.20
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50		4.50
Bolero 8EC	pint											4.0000	5.24	20.96		20.96
Flood irrg.- rice	ac in			1.00	May			7.29	16.33	0.060	0.38	6.0000				24.00
Cstm ap air seed	lb			1.00	May							135.0000	0.04	6.07		6.07
Rice seed	bu											3.0000	6.00	18.00		18.00
Insect Seed Trmt	bu											3.0000	4.51	13.53		13.53
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50		4.50
Londax	oz											1.0000	14.30	14.30		14.30
Flood irrg.- rice	ac in			1.00	May			3.64		0.030	0.19	3.0000				3.83
Flood irrg.- rice	ac in			1.00	Jun			7.29		0.060	0.38	6.0000				7.67
Cstm levee spray	acre			1.00	Jul							1.0000	1.75	1.75		1.75
2,4-D Amine	pint											0.2000	1.41	0.28		0.28
Cstm ap air fert	lb			1.00	Jul							150.0000	0.05	7.50		7.50
Urea 46%	lb											150.0000	0.08	12.00		12.00
Flood irrg.- rice	ac in			1.00	Jul			14.58		0.120	0.76	12.0000				15.34
Cstm ap air fungicid	acre			0.20	Aug							0.2000	4.50	0.90		0.90
Foliar Fungicide	oz											2.4600	2.27	5.58		5.58
Flood irrg.- rice	ac in			1.00	Aug			10.93		0.090	0.57	9.0000				11.51
Combine 4WD Rice	25'		0.333	1.00	Sep			11.25	26.58	0.416	2.65					40.50
Grain buggy	500 bu	MFWD190	0.248	0.27	Sep	1.28	1.28	0.17	0.33	0.088	0.56					3.63
Custom haul rice	bu			1.00	Sep							135.0000	0.12	16.20		16.20
Custom dry rice	bu			1.00	Sep							135.0000	0.30	40.50		40.50
Levee disk-knock dwn	9'	2WD 170	0.196	0.20	Oct	0.63	0.58	0.06	0.15	0.050	0.32					1.76
TOTALS						14.10	13.92	56.79	47.32	1.783	11.39			194.53		338.08
INTEREST ON OPERATING CAPITAL																7.03
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																345.11

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**Estimating 2002 Costs of Production
 Rice, Silt Loam Soils, Stale Seed Bed
 Eastern Arkansas, 2002**

AG-653-11-01

**Tony E. Windham, Extension Economist - Management
 Jennifer Lafferty, Agricultural Economics Associate**

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Rice seed	bu	6.00	2.2000	13.20	_____
CUSTOM WORK					
Cstm ap grd herbicid	acre	4.00	1.0000	4.00	_____
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm laser survey	acre	2.50	1.0000	2.50	_____
Cstm ap air herbicid	acre	4.50	1.7000	7.65	_____
Cstm ap air fert	lb	0.05	230.0000	11.50	_____
Cstm levee spray	acre	1.75	1.0000	1.75	_____
Cstm ap air fert	acre	4.50	1.0000	4.50	_____
Cstm ap air fungicid	acre	4.50	0.2000	0.90	_____
Custom haul rice	bu	0.12	135.0000	16.20	_____
Custom dry rice	bu	0.30	135.0000	40.50	_____
FERTILIZER & LIME					
0-30-30	lb	0.08	100.0000	8.90	_____
Urea 46%	lb	0.08	330.0000	26.40	_____
FUNGICIDE & SEED TR.					
Vitavax (rice)	bu	1.25	2.2000	2.75	_____
Release	bu	1.70	2.2000	3.74	_____
Apron XL	oz	7.36	0.0421	0.31	_____
Foliar Fungicide	oz	2.27	2.4600	5.58	_____
HERBICIDES					
Roundup Ultra	pint	4.25	2.0000	8.50	_____
Facet	lb	47.00	0.3300	15.51	_____
Prowl 3.3	pint	2.28	2.4000	5.47	_____
Propanil (Stam) 4EC	pint	2.29	4.2000	9.61	_____
Permit	oz	12.95	0.7000	9.06	_____
2,4-D Amine	pint	1.41	0.2000	0.28	_____
MISC. IRRIGATION					
Levee gates(plastic)	acre	1.45	1.0000	1.45	_____
OPERATOR LABOR					
Implements	hour	6.39	0.3253	2.07	_____
Tractors	hour	6.39	0.9317	5.95	_____
Self-Propelled Eq.	hour	6.39	0.4162	2.65	_____
IRRIGATION LABOR					
Flood irrg.- rice	hour	6.39	0.2400	1.53	_____
DIESEL FUEL					
Tractors	gal	1.00	8.4277	8.42	_____
Self-Propelled Eq.	gal	1.00	3.4299	3.42	_____
Flood irrg.- rice	gal	1.00	24.0000	24.00	_____
REPAIR & MAINTENANCE					
Implements	acre	2.65	1.0000	2.65	_____
Tractors	acre	6.23	1.0000	6.23	_____
Self-Propelled Eq.	acre	7.82	1.0000	7.82	_____
Flood irrg.- rice	acre	5.16	1.0000	5.16	_____
INTEREST ON OP. CAP.	acre	7.60	1.0000	7.60	_____

TOTAL DIRECT EXPENSES				281.84	_____
FIXED EXPENSES					
Implements	acre	6.02	1.0000	6.02	_____
Tractors	acre	14.26	1.0000	14.26	_____
Self-Propelled Eq.	acre	26.58	1.0000	26.58	_____
Flood irrg.- rice	acre	16.33	1.0000	16.33	_____

TOTAL FIXED EXPENSES				63.21	_____

TOTAL SPECIFIED EXPENSES				345.05	_____

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Table 2. Estimated resource use and costs for field operations, per acre Rice, Silt Loam Soils, Stale Seed Bed, Eastern Arkansas, 2002

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	Nov	3.12	3.10	0.88	2.06	0.213	1.36				10.54
Land float	16'x 56'	MFWD190	0.138	2.00	Nov	5.25	5.23	0.18	0.71	0.358	2.29				13.67
Bed conditioner	20'	2WD 170	0.069	1.00	Nov	1.11	1.03	0.22	0.47	0.089	0.57				3.41
Cstm ap grd herbicid	acre			1.00	Mar							1.0000	4.00	4.00	4.00
Roundup Ultra	pint											2.0000	4.25	8.50	8.50
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00	4.00
0-30-30	lb											100.0000	0.08	8.90	8.90
Grain drill	20'	2WD 150	0.118	1.00	Apr	1.69	1.58	0.82	1.68	0.283	1.80				7.59
Rice seed	bu											2.0000	6.00	12.00	12.00
Vitavax (rice)	bu											2.0000	1.25	2.50	2.50
Release	bu											2.0000	1.70	3.40	3.40
Apron XL	oz											0.0383	7.36	0.28	0.28
Cstm laser survey	acre			1.00	Apr							1.0000	2.50	2.50	2.50
Ditcher, rear mount	3'	2WD 150	1.618	0.01	Apr	0.23	0.21	0.12	0.21	0.021	0.13				0.93
Levee disk	9'	2WD 170	0.196	0.20	Apr	0.63	0.58	0.06	0.15	0.050	0.32				1.76
Levee disk/w box sdr	9'	2WD 170	0.238	0.10	Apr	0.38	0.35	0.08	0.15	0.057	0.36				1.35
Rice seed	bu											0.2000	6.00	1.20	1.20
Vitavax (rice)	bu											0.2000	1.25	0.25	0.25
Release	bu											0.2000	1.70	0.34	0.34
Apron XL	oz											0.0038	7.36	0.02	0.02
Blade, rear mount	8'	2WD 105	0.645	0.05	May	0.32	0.30	0.01	0.05	0.041	0.26				0.95
Levee gates (plastic)	acre			1.00	May							1.0000	1.45	1.45	1.45
Back hoe, rear mount	18'	2WD 105	0.108	0.05	May	0.05	0.05	0.01	0.04	0.007	0.04				0.20
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Facet	lb											0.3300	47.00	15.51	15.51
Prowl 3.3	pint											2.4000	2.28	5.47	5.47
Cstm ap air fert	lb			1.00	May							230.0000	0.05	11.50	11.50
Urea 46%	lb											230.0000	0.08	18.40	18.40
Cstm ap air herbicid	acre			0.70	May							0.7000	4.50	3.15	3.15
Propanil (Stam) 4EC	pint											4.2000	2.29	9.61	9.61
Permit	oz											0.7000	12.95	9.06	9.06
Flood irrg.- rice	ac in			1.00	May			3.64	16.33	0.030	0.19	3.0000			20.16
Flood irrg.- rice	ac in			1.00	Jun			6.07		0.050	0.31	5.0000			6.39
Cstm levee spray	acre			1.00	Jul							1.0000	1.75	1.75	1.75
2,4-D Amine	pint											0.2000	1.41	0.28	0.28
Cstm ap air fert	acre			1.00	Jul							1.0000	4.50	4.50	4.50
Urea 46%	lb											100.0000	0.08	8.00	8.00
Flood irrg.- rice	ac in			1.00	Jul			12.15		0.100	0.63	10.0000			12.78
Cstm ap air fungicid	acre			0.20	Aug							0.2000	4.50	0.90	0.90
Foliar Fungicide	oz											2.4600	2.27	5.58	5.58
Flood irrg.- rice	ac in			1.00	Aug			7.29		0.060	0.38	6.0000			7.67
Combine 4WD Rice	25'		0.333	1.00	Sep			11.25	26.58	0.416	2.65				40.50
Grain buggy	500 bu	MFWD190	0.248	0.25	Sep	1.21	1.21	0.16	0.31	0.083	0.53				3.43
Custom haul rice	bu			1.00	Sep							135.0000	0.12	16.20	16.20
Custom dry rice	bu			1.00	Sep							135.0000	0.30	40.50	40.50
Levee disk-knock dwn	9'	2WD 170	0.196	0.20	Oct	0.63	0.58	0.06	0.15	0.050	0.32				1.76
TOTALS						14.66	14.26	43.07	48.94	1.913	12.22			204.28	337.45
INTEREST ON OPERATING CAPITAL															7.60
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															345.05

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Estimating 2002 Costs of Production
Rice, Silt Loam Soils, No-Till
Eastern Arkansas, 2002

AG-654-01-02

Tony E. Windham, Extension Economist - Management
Jennifer Lafferty, Agricultural Economics Associate

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Rice seed	bu	6.00	2.4200	14.52	_____
CUSTOM WORK					
Cstm ap grd herbicid	acre	4.00	2.0000	8.00	_____
Cstm ap grd fert dry	acre	4.00	1.0000	4.00	_____
Cstm laser survey	acre	2.50	1.0000	2.50	_____
Cstm ap air herbicid	acre	4.50	2.0000	9.00	_____
Cstm ap air fert	lb	0.05	230.0000	11.50	_____
Cstm levee spray	acre	1.75	1.0000	1.75	_____
Cstm ap air fert	acre	4.50	1.0000	4.50	_____
Cstm ap air fungicid	acre	4.50	0.2000	0.90	_____
Custom haul rice	bu	0.12	135.0000	16.20	_____
Custom dry rice	bu	0.30	135.0000	40.50	_____
FERTILIZER & LIME					
0-30-30	lb	0.08	100.0000	8.90	_____
Urea 46%	lb	0.08	330.0000	26.40	_____
FUNGICIDE & SEED TR.					
Vitavax (rice)	bu	1.25	2.4200	3.02	_____
Release	bul	1.75	2.2000	3.85	_____
Apron XL	oz	7.36	0.0463	0.34	_____
Release	bu	1.70	0.2200	0.37	_____
Foliar Fungicide	oz	2.27	2.4600	5.58	_____
HERBICIDES					
Roundup Ultra	pint	4.25	4.0000	17.00	_____
Facet	lb	47.00	0.3300	15.51	_____
Prowl 3.3	pint	2.28	2.4000	5.47	_____
Propanil (Stam) 4EC	pint	2.29	8.0000	18.32	_____
Permit	oz	12.95	1.0000	12.95	_____
2,4-D Amine	pint	1.41	0.2000	0.28	_____
MISC. IRRIGATION					
Levee gates(plastic)	acre	1.45	1.0000	1.45	_____
OPERATOR LABOR					
Implements	hour	6.39	0.2235	1.42	_____
Tractors	hour	6.39	0.3718	2.37	_____
Self-Propelled Eq.	hour	6.39	0.4162	2.65	_____
IRRIGATION LABOR					
Flood irrg.- rice	hour	6.39	0.2400	1.53	_____
DIESEL FUEL					
Tractors	gal	1.00	3.3006	3.30	_____
Self-Propelled Eq.	gal	1.00	3.4299	3.42	_____
Flood irrg.- rice	gal	1.00	24.0000	24.00	_____
REPAIR & MAINTENANCE					
Implements	acre	1.35	1.0000	1.35	_____
Tractors	acre	2.42	1.0000	2.42	_____
Self-Propelled Eq.	acre	7.82	1.0000	7.82	_____
Flood irrg.- rice	acre	5.16	1.0000	5.16	_____
INTEREST ON OP. CAP.	acre	7.65	1.0000	7.65	_____
TOTAL DIRECT EXPENSES				295.98	_____
FIXED EXPENSES					
Implements	acre	2.78	1.0000	2.78	_____
Tractors	acre	5.55	1.0000	5.55	_____
Self-Propelled Eq.	acre	26.58	1.0000	26.58	_____
Flood irrg.- rice	acre	16.33	1.0000	16.33	_____
TOTAL FIXED EXPENSES				51.24	_____
TOTAL SPECIFIED EXPENSES				347.22	_____

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Table 2. Estimated resource use and costs for field operations, per acre Rice, Silt Loam Soils, No-Till, Eastern Arkansas, 2002

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	Mar							1.0000	4.00	4.00	4.00
Roundup Ultra	pint											2.0000	4.25	8.50	8.50
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00	4.00
0-30-30	lb											100.0000	0.08	8.90	8.90
Cstm ap grd herbicid	acre			1.00	Apr							1.0000	4.00	4.00	4.00
Roundup Ultra	pint											2.0000	4.25	8.50	8.50
Grain drill	20'	MFWD190	0.118	1.00	Apr	2.24	2.23	0.82	1.68	0.283	1.80				8.80
Rice seed	bu											2.2000	6.00	13.20	13.20
Vitavax (rice)	bu											2.2000	1.25	2.75	2.75
Release	bul											2.2000	1.75	3.85	3.85
Apron XL	oz											0.0421	7.36	0.30	0.30
Cstm laser survey	acre			1.00	Apr							1.0000	2.50	2.50	2.50
Ditcher, rear mount	3'	2WD 150	1.618	0.01	Apr	0.23	0.21	0.12	0.21	0.021	0.13				0.93
Levee disk	9'	2WD 170	0.196	0.20	Apr	0.63	0.58	0.06	0.15	0.050	0.32				1.76
Levee disk/w box sdr	9'	MFWD 170	0.238	0.10	Apr	0.38	0.35	0.08	0.15	0.057	0.36				1.35
Rice seed	bu											0.2200	6.00	1.32	1.32
Vitavax (rice)	bu											0.2200	1.25	0.27	0.27
Release	bu											0.2200	1.70	0.37	0.37
Apron XL	oz											0.0042	7.36	0.03	0.03
Blade, rear mount	8'	2WD 105	0.645	0.05	May	0.32	0.30	0.01	0.05	0.041	0.26				0.95
Levee gates(plastic)	acre			1.00	May							1.0000	1.45	1.45	1.45
Back hoe, rear mount	18'	2WD 105	0.108	0.05	May	0.05	0.05	0.01	0.04	0.007	0.04				0.20
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Facet	lb											0.3300	47.00	15.51	15.51
Prowl 3.3	pint											2.4000	2.28	5.47	5.47
Cstm ap air fert	lb			1.00	May							230.0000	0.05	11.50	11.50
Urea 46%	lb											230.0000	0.08	18.40	18.40
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Propanil (Stam) 4EC	pint											8.0000	2.29	18.32	18.32
Permit	oz											1.0000	12.95	12.95	12.95
Flood irrg.- rice	ac in			1.00	May			3.64	16.33	0.030	0.19	3.0000			20.16
Flood irrg.- rice	ac in			1.00	Jun			6.07		0.050	0.31	5.0000			6.39
Cstm levee spray	acre			1.00	Jul							1.0000	1.75	1.75	1.75
2,4-D Amine	pint											0.2000	1.41	0.28	0.28
Cstm ap air fert	acre			1.00	Jul							1.0000	4.50	4.50	4.50
Urea 46%	lb											100.0000	0.08	8.00	8.00
Flood irrg.- rice	ac in			1.00	Jul					0.100	0.63	10.0000			12.78
Cstm ap air fungicid	acre			0.20	Aug							0.2000	4.50	0.90	0.90
Foliar Fungicide	oz											2.4600	2.27	5.58	5.58
Flood irrg.- rice	ac in			1.00	Aug			7.29		0.060	0.38	6.0000			7.67
Combine 4WD Rice	25'		0.333	1.00	Sep			11.25	26.58	0.416	2.65				40.50
Grain buggy	500 bu	MFWD190	0.248	0.25	Sep	1.21	1.21	0.16	0.31	0.083	0.53				3.43
Custom haul rice	bu			1.00	Sep							135.0000	0.12	16.20	16.20
Custom dry rice	bu			1.00	Sep							135.0000	0.30	40.50	40.50
Levee disk-knock dwn	9'	2WD 170	0.196	0.20	Oct	0.63	0.58	0.06	0.15	0.050	0.32				1.76
TOTALS						5.72	5.55	41.77	45.69	1.251	7.99			232.82	339.57
INTEREST ON OPERATING CAPITAL															7.65
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															347.22

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