UNIVERSITY OF ARKANSAS
DIVISION OF AGRICULTURE
Cooperative Extension Service

Estimating 2001 Costs of Production

Rice, Silt Loam Soils, Eastern Arkansas, 2001

AG-597-12-00

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Rice seed	bushel	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	bushel	0.12	135.0000	16.20	_____
Custom dry rice	bushel	0.30	135.0000	40.50	_____
FERTILIZER & LIME					
0-30-60	lbs	0.15	100.0000	15.00	_____
Urea 46%	lb	0.09	330.0000	31.35	_____
FUNGICIDE & SEED TR.					
Vitavax (rice)	bu	1.69	2.2000	3.71	_____
Foliar Fungicide	ounce	2.27	2.4600	5.58	_____
HERBICIDES					
Facet	lb	60.00	0.3300	19.80	_____
Prowl 4EC	pint	2.50	2.4000	6.00	_____
Propanil (Stam) 4EC	pint	2.37	3.0000	7.11	_____
Permit	oz	13.30	0.5000	6.65	_____
2,4-D Amine	pint	1.50	0.2000	0.30	_____
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	0.3747	2.39	_____
IRRIGATION LABOR					
Flood irrg.- rice	hour	6.39	0.2400	1.53	_____
DIESEL FUEL					
Tractors	gal	1.09	9.0688	9.88	_____
Self-Propelled Eq.	gal	1.09	5.3923	5.87	_____
Flood irrg.- rice	gal	1.09	24.0000	26.16	_____
REPAIR & MAINTENANCE					
Implements	acre	2.72	1.0000	2.72	_____
Tractors	acre	6.90	1.0000	6.90	_____
Self-Propelled Eq.	acre	11.90	1.0000	11.90	_____
Flood irrg.- rice	acre	5.16	1.0000	5.16	_____
INTEREST ON OP. CAP.	acre	10.28	1.0000	10.28	_____

TOTAL DIRECT EXPENSES				289.94	_____
FIXED EXPENSES					
Implements	acre	6.39	1.0000	6.39	_____
Tractors	acre	15.79	1.0000	15.79	_____
Self-Propelled Eq.	acre	24.50	1.0000	24.50	_____
Flood irrg.- rice	acre	16.33	1.0000	16.33	_____

TOTAL FIXED EXPENSES				63.01	_____

TOTAL SPECIFIED EXPENSES				352.95	_____

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Table 2. Estimated resource use and costs for field operations, per acre
Rice, Silt Loam Soils, Eastern Arkansas, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars		dollars		
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Nov	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Land float	16'x 56'	MFWD190	0.138	2.00	Mar	5.51	5.23	0.18	0.71	0.358	2.29				13.94
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00	4.00
0-30-60	lbs											100.0000	0.15	15.00	15.00
Field cultivator	25.5'	MFWD190	0.054	1.00	Apr	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Grain drill	20'	MFWD190	0.118	1.00	Apr	2.35	2.23	0.82	1.68	0.283	1.80				8.91
Rice seed	bushel											2.0000	6.00	12.00	12.00
Vitavax (rice)	bu											2.0000	1.69	3.38	3.38
Roller smooth 30"dia	32'	MFWD 150	0.054	1.00	Apr	0.86	0.84	0.09	0.40	0.070	0.44				2.65
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	0.26	0.25	0.12	0.21	0.021	0.13				0.99
Levee disk	9'	2WD 170	0.196	0.20	Apr	0.66	0.58	0.06	0.15	0.050	0.32				1.80
Levee disk/w box sdr	9'	2WD 170	0.238	0.10	Apr	0.40	0.35	0.08	0.15	0.057	0.36				1.37
Rice seed	bushel											0.2000	6.00	1.20	1.20
Vitavax (rice)	bu											0.2000	1.69	0.33	0.33
Blade, rear mount	8'	2WD 105	0.645	0.05	May	0.34	0.30	0.01	0.05	0.041	0.26				0.97
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				0.21
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Facet	lb											0.3300	60.00	19.80	19.80
Prowl 4EC	pint											2.4000	2.50	6.00	6.00
Cstm ap air fert	lb			1.00	May							230.0000	0.05	11.50	11.50
Urea 46%	lb											230.0000	0.09	21.85	21.85
Cstm ap air herbicid	acre			0.50	May							0.5000	4.50	2.25	2.25
Propanil (Stam) 4EC	pint											3.0000	2.37	7.11	7.11
Permit	oz											0.5000	13.30	6.65	6.65
Flood irrg.- rice	ac in			1.00	May			3.91	16.33	0.030	0.19	3.0000			20.43
Flood irrg.- rice	ac in			1.00	Jun			6.52		0.050	0.31	5.0000			6.84
Cstm levee spray	acre			1.00	Jul							1.0000	1.75	1.75	1.75
2,4-D Amine	pint											0.2000	1.50	0.30	0.30
Cstm ap air fert	acre			1.00	Jul							1.0000	4.50	4.50	4.50
Urea 46%	lb											100.0000	0.09	9.50	9.50
Flood irrg.- rice	ac in			1.00	Jul			13.05		0.100	0.63	10.0000			13.68
Cstm ap air fungicid	acre			0.20	Aug							0.2000	4.50	0.90	0.90
Foliar Fungicide	ounce											2.4600	2.27	5.58	5.58
Flood irrg.- rice	ac in			1.00	Aug			7.83		0.060	0.38	6.0000			8.21
Combine, 4wd, rice	25'		0.327	1.00	Sep			17.78	24.50	0.374	2.39				44.67
Grain buggy	500 bu	MFWD190	0.248	0.25	Sep	1.27	1.21	0.16	0.31	0.083	0.53				3.49
Custom haul rice	bushel			1.00	Sep							135.0000	0.12	16.20	16.20
Custom dry rice	bushel			1.00	Sep							135.0000	0.30	40.50	40.50
Levee disk-knock dwn	9'	2WD 170	0.196	0.20	Oct	0.66	0.58	0.06	0.15	0.050	0.32				1.80
TOTALS						16.78	15.79	51.82	47.22	1.922	12.28			198.76	342.67
INTEREST ON OPERATING CAPITAL															10.28
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															352.95

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AG-598-12-00

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Rice seed	bushel	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	bushel	0.12	135.0000	16.20	_____
Custom dry rice	bushel	0.30	135.0000	40.50	_____
FERTILIZER & LIME					
Urea 46%	lb	0.09	400.0000	38.00	_____
FUNGICIDE & SEED TR.					
Release	bushel	1.75	2.7500	4.81	_____
Foliar Fungicide	ounce	2.27	2.4600	5.58	_____
HERBICIDES					
Facet	lb	60.00	0.5000	30.00	_____
Prowl 4EC	pint	2.50	2.4000	6.00	_____
Ordram 15G	lb	1.12	10.0000	11.20	_____
Grandstand R	pint	10.00	0.5000	5.00	_____
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	0.3747	2.39	_____
IRRIGATION LABOR					
Flood irrg-rice,clay	hour	6.39	0.4800	3.06	_____
DIESEL FUEL					
Tractors	gal	1.09	8.9912	9.80	_____
Self-Propelled Eq.	gal	1.09	5.3923	5.87	_____
Flood irrg-rice,clay	gal	1.09	32.0000	34.88	_____
REPAIR & MAINTENANCE					
Implements	acre	2.76	1.0000	2.76	_____
Tractors	acre	6.67	1.0000	6.67	_____
Self-Propelled Eq.	acre	11.90	1.0000	11.90	_____
Flood irrg-rice,clay	acre	6.88	1.0000	6.88	_____
INTEREST ON OP. CAP.	acre	10.90	1.0000	10.90	_____

TOTAL DIRECT EXPENSES				310.30	_____
FIXED EXPENSES					
Implements	acre	6.46	1.0000	6.46	_____
Tractors	acre	15.27	1.0000	15.27	_____
Self-Propelled Eq.	acre	24.50	1.0000	24.50	_____
Flood irrg-rice,clay	acre	16.33	1.0000	16.33	_____

TOTAL FIXED EXPENSES				62.57	_____

TOTAL SPECIFIED EXPENSES				372.88	_____

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Table 2. Estimated resource use and costs for field operations, per acre Rice, Clay Soils, Eastern Arkansas, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars		dollars		
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Nov	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Land float	16'x 56'	MFWD190	0.138	2.00	Mar	5.51	5.23	0.18	0.71	0.358	2.29				13.94
Field cultivator	25.5'	MFWD190	0.054	1.00	Apr	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Grain drill	20'	2WD 150	0.118	1.00	Apr	1.78	1.58	0.82	1.68	0.283	1.80				7.68
Rice seed	bushel											2.5000	6.00	15.00	15.00
Release	bushel											2.5000	1.75	4.37	4.37
Roller smooth 30"dia	32'	2WD 150	0.054	1.00	Apr	0.81	0.72	0.09	0.40	0.070	0.44				2.47
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	0.24	0.21	0.12	0.21	0.021	0.13				0.94
Levee disk	9'	2WD 170	0.196	0.30	Apr	1.00	0.88	0.10	0.22	0.076	0.48				2.70
Levee disk/w box sdr	9'	2WD 170	0.238	0.10	Apr	0.40	0.35	0.08	0.15	0.057	0.36				1.37
Rice seed	bushel											0.2500	6.00	1.50	1.50
Release	bushel											0.2500	1.75	0.43	0.43
Blade, rear mount	8'	2WD 105	0.645	0.05	May	0.34	0.30	0.01	0.05	0.041	0.26				0.97
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				0.21
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Facet	lb											0.5000	60.00	30.00	30.00
Prowl 4EC	pint											2.4000	2.50	6.00	6.00
Cstm ap air fert	lb			1.00	May							300.0000	0.05	15.00	15.00
Urea 46%	lb											300.0000	0.09	28.50	28.50
Cstm ap air herbicid	acre			0.50	May							0.5000	4.50	2.25	2.25
Ordram 15G	lb											10.0000	1.12	11.20	11.20
Flood irrg-rice,clay	ac in			1.00	May			7.83	16.33	0.090	0.57	6.0000			24.73
Flood irrg-rice,clay	ac in			1.00	Jun			10.44		0.120	0.76	8.0000			11.20
Cstm levee spray	acre			1.00	Jul							1.0000	1.75	1.75	1.75
Grandstand R	pint											0.5000	10.00	5.00	5.00
Cstm ap air fert	acre			1.00	Jul							1.0000	4.50	4.50	4.50
Urea 46%	lb											100.0000	0.09	9.50	9.50
Flood irrg-rice,clay	ac in			1.00	Jul			13.05		0.150	0.95	10.0000			14.00
Cstm ap air fungicid	acre			0.20	Aug							0.2000	4.50	0.90	0.90
Foliar Fungicide	ounce											2.4600	2.27	5.58	5.58
Flood irrg-rice,clay	ac in			1.00	Aug			10.44		0.120	0.76	8.0000			11.20
Combine, 4wd, rice	25'		0.327	1.00	Sep			17.78	24.50	0.374	2.39				44.67
Grain buggy	500 bu	MFWD190	0.248	0.25	Sep	1.27	1.21	0.16	0.31	0.083	0.53				3.49
Custom haul rice	bushel			1.00	Sep							135.0000	0.12	16.20	16.20
Custom dry rice	bushel			1.00	Sep							135.0000	0.30	40.50	40.50
Levee disk-knock dwn	9'	2WD 170	0.196	0.20	Oct	0.66	0.58	0.06	0.15	0.050	0.32				1.80
TOTALS						16.47	15.27	62.30	47.29	2.188	13.98			206.64	361.97
INTEREST ON OPERATING CAPITAL															10.90
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															372.88

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Rice, Water Seeded, Eastern Arkansas, 2001

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Jennifer Lafferty, Extension Associate

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Rice seed	bushel	6.00	2.7500	16.50	_____
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	123.7500	5.56	_____
Cstm levee spray	acre	1.75	1.0000	1.75	_____
Cstm ap air fert	lb	0.05	130.0000	6.50	_____
Cstm ap air fungicid	acre	4.50	0.2000	0.90	_____
Custom haul rice	bushel	0.12	135.0000	16.20	_____
Custom dry rice	bushel	0.30	135.0000	40.50	_____
FERTILIZER & LIME					
Urea 46%	lb	0.09	340.0000	32.30	_____
FUNGICIDE & SEED TR.					
Foliar Fungicide	ounce	2.27	2.4600	5.58	_____
HERBICIDES					
Bolero 8EC	pint	6.00	4.0000	24.00	_____
Londax	ounce	15.25	1.0000	15.25	_____
2,4-D Amine	pint	1.50	0.2000	0.30	_____
INSECTICIDES					
Insect Seed Trmt	bushel	4.51	2.7500	12.40	_____
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	0.3747	2.39	_____
IRRIGATION LABOR					
Flood irrg.- rice	hour	6.39	0.3600	2.30	_____
DIESEL FUEL					
Tractors	gal	1.09	8.0234	8.74	_____
Self-Propelled Eq.	gal	1.09	5.3923	5.87	_____
Flood irrg.- rice	gal	1.09	36.0000	39.24	_____
REPAIR & MAINTENANCE					
Implements	acre	1.79	1.0000	1.79	_____
Tractors	acre	6.08	1.0000	6.08	_____
Self-Propelled Eq.	acre	11.90	1.0000	11.90	_____
Flood irrg.- rice	acre	7.74	1.0000	7.74	_____
INTEREST ON OP. CAP.	acre	10.27	1.0000	10.27	_____

TOTAL DIRECT EXPENSES				297.50	_____
FIXED EXPENSES					
Implements	acre	4.41	1.0000	4.41	_____
Tractors	acre	13.92	1.0000	13.92	_____
Self-Propelled Eq.	acre	24.50	1.0000	24.50	_____
Flood irrg.- rice	acre	16.33	1.0000	16.33	_____

TOTAL FIXED EXPENSES				59.16	_____

TOTAL SPECIFIED EXPENSES				356.66	_____

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Table 2. Estimated resource use and costs for field operations, per acre
Rice, Water Seeded, Eastern Arkansas, 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars		dollars		
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Nov	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Disk, medium cut	26.41'	MFWD190	0.082	1.00	Mar	1.63	1.55	0.44	1.03	0.106	0.68				5.35
Land float	16'x 56'	MFWD190	0.138	2.00	Mar	5.51	5.23	0.18	0.71	0.358	2.29				13.94
Cstm ap grd fert dry	acre			1.00	Apr							1.0000	4.00	4.00	4.00
Urea 46%	lb											210.0000	0.09	19.95	19.95
Field cultivator	25.5'	MFWD190	0.054	1.00	Apr	1.07	1.02	0.20	0.43	0.070	0.44				3.18
Roller (wheels)	20'	MFWD190	0.081	1.00	Apr	1.61	1.53	0.05	0.24	0.105	0.67				4.13
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	0.24	0.21	0.12	0.21	0.021	0.13				0.94
Levee disk	9'	2WD 170	0.196	0.20	Apr	0.66	0.58	0.06	0.15	0.050	0.32				1.80
Blade, rear mount	8'	2WD 105	0.645	0.05	May	0.34	0.30	0.01	0.05	0.041	0.26				0.97
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				0.21
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Bolero 8EC	pint											4.0000	6.00	24.00	24.00
Flood irrg.- rice	ac in			1.00	May			7.83	16.33	0.060	0.38	6.0000			24.54
Cstm ap air seed	lb			1.00	May							123.7500	0.04	5.56	5.56
Rice seed	bushel											2.7500	6.00	16.50	16.50
Insect Seed Trmt	bushel											2.7500	4.51	12.40	12.40
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Londax	ounce											1.0000	15.25	15.25	15.25
Flood irrg.- rice	ac in			1.00	May			3.91		0.030	0.19	3.0000			4.10
Flood irrg.- rice	ac in			1.00	Jun			7.83		0.060	0.38	6.0000			8.21
Cstm levee spray	acre			1.00	Jul							1.0000	1.75	1.75	1.75
2,4-D Amine	pint											0.2000	1.50	0.30	0.30
Cstm ap air fert	lb			1.00	Jul							130.0000	0.05	6.50	6.50
Urea 46%	lb											130.0000	0.09	12.35	12.35
Flood irrg.- rice	ac in			1.00	Jul			15.66		0.120	0.76	12.0000			16.42
Cstm ap air fungicid	acre			0.20	Aug							0.2000	4.50	0.90	0.90
Foliar Fungicide	ounce											2.4600	2.27	5.58	5.58
Flood irrg.- rice	ac in			1.00	Aug			11.74		0.090	0.57	9.0000			12.32
Combine, 4wd, rice	25'		0.327	1.00	Sep			17.78	24.50	0.374	2.39				44.67
Grain buggy	500 bu	MFWD190	0.248	0.27	Sep	1.35	1.28	0.17	0.33	0.088	0.56				3.70
Custom haul rice	bushel			1.00	Sep							135.0000	0.12	16.20	16.20
Custom dry rice	bushel			1.00	Sep							135.0000	0.30	40.50	40.50
Levee disk-knock dwn	9'	2WD 170	0.196	0.20	Oct	0.66	0.58	0.06	0.15	0.050	0.32				1.80
TOTALS						14.83	13.92	66.55	45.24	1.742	11.13			194.70	346.39
INTEREST ON OPERATING CAPITAL															10.27
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															356.66

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UNIVERSITY OF ARKANSAS
DIVISION OF AGRICULTURE
Cooperative Extension Service

Estimating 2001 Costs of Production

Rice, Silt Loam Soils, Stale Seed Bed, Eastern Arkansas, 2001

AG-600-12-00

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Rice seed	bushel	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	bushel	0.12	135.0000	16.20	_____
Custom dry rice	bushel	0.30	135.0000	40.50	_____
FERTILIZER & LIME					
0-30-30	lb	0.11	100.0000	11.00	_____
Urea 46%	lb	0.09	330.0000	31.35	_____
FUNGICIDE & SEED TR.					
Vitavax (rice)	bu	1.69	2.2000	3.71	_____
Release	bushel	1.75	2.0000	3.50	_____
Foliar Fungicide	ounce	2.27	2.4600	5.58	_____
HERBICIDES					
Roundup Ultra	pint	4.25	2.0000	8.50	_____
Facet	lb	60.00	0.3300	19.80	_____
Prowl 4EC	pint	2.50	2.4000	6.00	_____
Propanil (Stam) 4EC	pint	2.37	4.2000	9.95	_____
Permit	oz	13.30	0.7000	9.31	_____
2,4-D Amine	pint	1.50	0.2000	0.30	_____
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	0.3747	2.39	_____
IRRIGATION LABOR					
Flood irrg.- rice	hour	6.39	0.2400	1.53	_____
DIESEL FUEL					
Tractors	gal	1.09	8.4277	9.18	_____
Self-Propelled Eq.	gal	1.09	5.3923	5.87	_____
Flood irrg.- rice	gal	1.09	24.0000	26.16	_____
REPAIR & MAINTENANCE					
Implements	acre	2.65	1.0000	2.65	_____
Tractors	acre	6.23	1.0000	6.23	_____
Self-Propelled Eq.	acre	11.90	1.0000	11.90	_____
Flood irrg.- rice	acre	5.16	1.0000	5.16	_____
INTEREST ON OP. CAP.	acre	11.63	1.0000	11.63	_____

TOTAL DIRECT EXPENSES				307.93	_____
FIXED EXPENSES					
Implements	acre	6.02	1.0000	6.02	_____
Tractors	acre	14.26	1.0000	14.26	_____
Self-Propelled Eq.	acre	24.50	1.0000	24.50	_____
Flood irrg.- rice	acre	16.33	1.0000	16.33	_____

TOTAL FIXED EXPENSES				61.13	_____

TOTAL SPECIFIED EXPENSES				369.06	_____

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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, Stale Seed Bed, Eastern Arkansas 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL COST
						dollars					dollars		dollars		
Disk, medium cut	26.41'	MFWD190	0.082	2.00	Nov	3.27	3.10	0.88	2.06	0.213	1.36				10.70
Land float	16'x 56'	MFWD190	0.138	2.00	Nov	5.51	5.23	0.18	0.71	0.358	2.29				13.94
Bed conditioner	20'	2WD 170	0.069	1.00	Nov	1.17	1.03	0.22	0.47	0.089	0.57				3.47
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	0.11	11.00	11.00
Grain drill	20'	2WD 150	0.118	1.00	Apr	1.78	1.58	0.82	1.68	0.283	1.80				7.68
Rice seed	bushel											2.0000	6.00	12.00	12.00
Vitavax (rice)	bu											2.0000	1.69	3.38	3.38
Release	bushel											2.0000	1.75	3.50	3.50
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	0.24	0.21	0.12	0.21	0.021	0.13				0.94
Levee disk	9'	2WD 170	0.196	0.20	Apr	0.66	0.58	0.06	0.15	0.050	0.32				1.80
Levee disk/w box sdr	9'	2WD 170	0.238	0.10	Apr	0.40	0.35	0.08	0.15	0.057	0.36				1.37
Rice seed	bushel											0.2000	6.00	1.20	1.20
Vitavax (rice)	bu											0.2000	1.69	0.33	0.33
Blade, rear mount	8'	2WD 105	0.645	0.05	May	0.34	0.30	0.01	0.05	0.041	0.26				0.97
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				0.21
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Facet	lb											0.3300	60.00	19.80	19.80
Prowl 4EC	pint											2.4000	2.50	6.00	6.00
Cstm ap air fert	lb			1.00	May							230.0000	0.05	11.50	11.50
Urea 46%	lb											230.0000	0.09	21.85	21.85
Cstm ap air herbicid	acre			0.70	May							0.7000	4.50	3.15	3.15
Propanil (Stam) 4EC	pint											4.2000	2.37	9.95	9.95
Permit	oz											0.7000	13.30	9.31	9.31
Flood irrg.- rice	ac in			1.00	May			3.91	16.33	0.030	0.19	3.0000			20.43
Flood irrg.- rice	ac in			1.00	Jun			6.52		0.050	0.31	5.0000			6.84
Cstm levee spray	acre			1.00	Jul							1.0000	1.75	1.75	1.75
2,4-D Amine	pint											0.2000	1.50	0.30	0.30
Cstm ap air fert	acre			1.00	Jul							1.0000	4.50	4.50	4.50
Urea 46%	lb											100.0000	0.09	9.50	9.50
Flood irrg.- rice	ac in			1.00	Jul			13.05		0.100	0.63	10.0000			13.68
Cstm ap air fungicid	acre			0.20	Aug							0.2000	4.50	0.90	0.90
Foliar Fungicide	ounce											2.4600	2.27	5.58	5.58
Flood irrg.- rice	ac in			1.00	Aug			7.83		0.060	0.38	6.0000			8.21
Combine, 4wd, rice	25'		0.327	1.00	Sep			17.78	24.50	0.374	2.39				44.67
Grain buggy	500 bu	MFWD190	0.248	0.25	Sep	1.27	1.21	0.16	0.31	0.083	0.53				3.49
Custom haul rice	bushel			1.00	Sep							135.0000	0.12	16.20	16.20
Custom dry rice	bushel			1.00	Sep							135.0000	0.30	40.50	40.50
Levee disk-knock dwn	9'	2WD 170	0.196	0.20	Oct	0.66	0.58	0.06	0.15	0.050	0.32				1.80
TOTALS						15.42	14.26	51.75	46.86	1.871	11.96			217.16	357.43
INTEREST ON OPERATING CAPITAL															11.63
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															369.06

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UNIVERSITY OF ARKANSAS
DIVISION OF AGRICULTURE
Cooperative Extension Service

Estimating 2001 Costs of Production

Rice, Silt Loam Soils, No-Till, Eastern Arkansas, 2001

AG-601-12-00

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CROP SEED					
Rice seed	bushel	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	bushel	0.12	135.0000	16.20	_____
Custom dry rice	bushel	0.30	135.0000	40.50	_____
FERTILIZER & LIME					
0-30-30	lb	0.11	100.0000	11.00	_____
Urea 46%	lb	0.09	330.0000	31.35	_____
FUNGICIDE & SEED TR.					
Vitavax (rice)	bu	1.69	2.4200	4.08	_____
Release	bushel	1.75	2.2000	3.85	_____
Foliar Fungicide	ounce	2.27	2.4600	5.58	_____
HERBICIDES					
Roundup Ultra	pint	4.25	4.0000	17.00	_____
Facet	lb	60.00	0.3300	19.80	_____
Prowl 4EC	pint	2.50	2.4000	6.00	_____
Propanil (Stam) 4EC	pint	2.37	8.0000	18.96	_____
Permit	oz	13.30	1.0000	13.30	_____
2,4-D Amine	pint	1.50	0.2000	0.30	_____
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	0.3747	2.39	_____
IRRIGATION LABOR					
Flood irrg.- rice	hour	6.39	0.2400	1.53	_____
DIESEL FUEL					
Tractors	gal	1.09	3.0344	3.30	_____
Self-Propelled Eq.	gal	1.09	5.3923	5.87	_____
Flood irrg.- rice	gal	1.09	24.0000	26.16	_____
REPAIR & MAINTENANCE					
Implements	acre	1.35	1.0000	1.35	_____
Tractors	acre	2.13	1.0000	2.13	_____
Self-Propelled Eq.	acre	11.90	1.0000	11.90	_____
Flood irrg.- rice	acre	5.16	1.0000	5.16	_____
INTEREST ON OP. CAP.	acre	11.64	1.0000	11.64	_____

TOTAL DIRECT EXPENSES				321.33	_____
FIXED EXPENSES					
Implements	acre	2.78	1.0000	2.78	_____
Tractors	acre	4.89	1.0000	4.89	_____
Self-Propelled Eq.	acre	24.50	1.0000	24.50	_____
Flood irrg.- rice	acre	16.33	1.0000	16.33	_____

TOTAL FIXED EXPENSES				48.50	_____

TOTAL SPECIFIED EXPENSES				369.84	_____

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Table 2. Estimated resource use and costs for field operations, per acre
Rice, Silt Loam Soils, No-till, Eastern Arkansas 2001.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST DIRECT	TRACTOR COST FIXED	EQUIP COST DIRECT	EQUIP COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING INPUT AMOUNT	OPERATING INPUT PRICE	OPERATING INPUT COST	TOTAL 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	0.11	11.00	11.00
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'	2WD 150	0.118	1.00	Apr	1.78	1.58	0.82	1.68	0.283	1.80				7.68
Rice seed	bushel											2.2000	6.00	13.20	13.20
Vitavax (rice)	bu											2.2000	1.69	3.71	3.71
Release	bushel											2.2000	1.75	3.85	3.85
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	0.24	0.21	0.12	0.21	0.021	0.13				0.94
Levee disk	9'	2WD 170	0.196	0.20	Apr	0.66	0.58	0.06	0.15	0.050	0.32				1.80
Levee disk/w box sdr	9'	MFWD 170	0.238	0.10	Apr	0.40	0.35	0.08	0.15	0.057	0.36				1.37
Rice seed	bushel											0.2200	6.00	1.32	1.32
Vitavax (rice)	bu											0.2200	1.69	0.37	0.37
Blade, rear mount	8'	2WD 105	0.645	0.05	May	0.34	0.30	0.01	0.05	0.041	0.26				0.97
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				0.21
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Facet	lb											0.3300	60.00	19.80	19.80
Prowl 4EC	pint											2.4000	2.50	6.00	6.00
Cstm ap air fert	lb			1.00	May							230.0000	0.05	11.50	11.50
Urea 46%	lb											230.0000	0.09	21.85	21.85
Cstm ap air herbicid	acre			1.00	May							1.0000	4.50	4.50	4.50
Propanil (Stam) 4EC	pint											8.0000	2.37	18.96	18.96
Permit	oz											1.0000	13.30	13.30	13.30
Flood irrg.- rice	ac in			1.00	May			3.91	16.33	0.030	0.19	3.0000			20.43
Flood irrg.- rice	ac in			1.00	Jun			6.52		0.050	0.31	5.0000			6.84
Cstm levee spray	acre			1.00	Jul							1.0000	1.75	1.75	1.75
2,4-D Amine	pint											0.2000	1.50	0.30	0.30
Cstm ap air fert	acre			1.00	Jul							1.0000	4.50	4.50	4.50
Urea 46%	lb											100.0000	0.09	9.50	9.50
Flood irrg.- rice	ac in			1.00	Jul			13.05		0.100	0.63	10.0000			13.68
Cstm ap air fungicid	acre			0.20	Aug							0.2000	4.50	0.90	0.90
Foliar Fungicide	ounce											2.4600	2.27	5.58	5.58
Flood irrg.- rice	ac in			1.00	Aug			7.83		0.060	0.38	6.0000			8.21
Combine, 4wd, rice	25'		0.327	1.00	Sep			17.78	24.50	0.374	2.39				44.67
Grain buggy	500 bu	MFWD190	0.248	0.25	Sep	1.27	1.21	0.16	0.31	0.083	0.53				3.49
Custom haul rice	bushel			1.00	Sep							135.0000	0.12	16.20	16.20
Custom dry rice	bushel			1.00	Sep							135.0000	0.30	40.50	40.50
Levee disk-knock dwn	9'	2WD 170	0.196	0.20	Oct	0.66	0.58	0.06	0.15	0.050	0.32				1.80
TOTALS						5.44	4.89	50.45	43.61	1.210	7.73			246.05	358.19
INTEREST ON OPERATING CAPITAL															11.64
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															369.84

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