Projected Costs and Returns Crop Enterprise Budgets for Rice Production in Louisiana, 2024

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Introduction

This publication presents estimates of projected costs and returns for rice production in Louisiana for the 2024 crop year. Crop producers are annually faced with critical management decisions that impact the employment of production inputs for various crop enterprises and the combination of crops that will be assembled into a cropping system. The need for reliable information is crucial if sound production decisions are to be made. Planning information plays a pivotal role in the development of annual crop production plans by producers and is important in supporting their efforts to secure the necessary resources to carry out their plans. In addition, information regarding production alternatives and costs and returns for major crop enterprises is needed by extension personnel, researchers, lending institutions, and others involved in agriculture or agribusiness. The purpose of this report is to provide planning information regarding crop production costs and market returns for the 2024 crop year.

Crop enterprise budgets in this report are presented in two budget formats. The first budget format (Table A) is a summary of costs and returns for the crop enterprise. The second budget format (Table B) provides a table listing the sequence of production operations, indicating the equipment and implements used, month of operation, labor required, machine time required, and materials used. Labor costs, material costs, custom costs, and direct and fixed costs for tractors and equipment are also included for each operation. All costs are summed giving the total cost per operation or practice.

Procedure

The general procedure used in this study was to project machinery and other input price data and apply these data to the production practice data for crop enterprises produced in Louisiana. Input prices were obtained from surveys of farm suppliers, machinery dealers, and aerial applicators to provide a basis for estimating 2024 planning budgets. Machinery and other input cost data are presented in the Appendix.

The budgets included in this report are categorized by per acre total direct expenses and per acre total fixed expenses for a production season. Within these two broad categories, the various inputs are itemized with their respective costs. Although a particular enterprise budget is presented on a per acre basis, some individual cost items are specified on an hourly or price per unit basis. Direct expenses include such cost items as seed, fertilizer, chemicals, fuel, labor, repairs, and irrigation. Fixed expenses include such items as depreciation and interest on investment which are generally incurred during the production period.

Due to the detailed nature of the cost computations, a computerized budget generator procedure was utilized. The Mississippi State Budget Generator Program, developed at Mississippi State University, is utilized by the LSU Agricultural Center in developing these crop enterprise costs and returns budgets. The budget generator provides a standard format for crop and livestock budgets and this computational procedure is widely accepted for estimating projected commodity costs and returns information for upcoming crop year planning purposes.

Expected Crop Yields and Market Prices

Projected crop enterprise budgets in this report include a calculation of expected market returns for the crop. Expected crop yields and market prices are selected at the beginning of the crop year. Projected crop yields are determined based on recent production history for expected yield given normal weather conditions. Projected market prices are specified as expected marketing year average prices for the commodity, based on harvest time futures price quotes as well as other market information at the beginning of the crop year. No estimate of income from farm program particitation or crop insurance is included in this budgets due to the wide variety of farm program and crop insurance choices available to producers.

Direct Production Costs

Direct or variable production costs were estimated by utilizing updated crop production input price data. Input price data for various crop production inputs were updated by obtaining prices from farm input suppliers in the fall and winter prior to the crop year. Herbicide, fertilizer, and insecticide expenditures for each enterprise budget are based upon the types of chemicals producers generally reported using for that situation. Suggested prices for selected farm inputs and aerial application rates are presented in the appendix.

Hired labor was charged at $14.53 per hour for all classes of labor except for harvest machinery and laser leveling operator labor. This wage rate include a basic wage rate plus additional costs for social security, Medicare, and workman's compensation. Operator labor was charged at $17.94 per hour, which includes a basic wage rate plus additional costs for social security, Medicare, and workman's compensation. The higher wage rate was charged for these classes of operators because of the relatively higher skills required to run these types of machinery and the general consensus that these operators are generally twelve month (salaried) employees i.e. foremen. Farm labor may not be generally available on an hourly basis; however, an hourly charge represents a practical method for charging labor to the respective crop enterprises on a per acre basis.

Interest on operating capital (short term) was charged at a nominal rate of 8.25% per year. Operating capital was assumed to be borrowed in a manner consistent with timely acquisition of inputs. Fuel prices for diesel was $3.50 per gallon. Variable costs for tractors, self-propelled machinery, and irrigation machinery include the cost of fuel, lubrication, and repair.

The intermediate term interest rate was charged at an historical real rate of 8.50%. The reasoning behind the difference in short and intermediate term rates is that longer term nominal rates are highly variable and closely follow the trend set by the rate of inflation. Intermediate term interest rates above the real rate of interest can overstate true interest costs because they overlook the value gained by an asset due solely to inflation.

Farm Machinery Costs

Machinery cost data were obtained from a sample of machinery dealers. New machinery prices were used to reflect the economic cost of acquiring and maintaining capital assets in current dollar values. Purchase prices for selected power and machinery items included in this report are presented in the appendix. Other data included in the appendix indicate hours of annual use and years of life for each selected machinery item. Fuel consumption, accumulated repair costs, and other machinery performance data are based on ASAE standards. Machinery fixed costs are calculated using the capital recovery method which includes estimates of both annual depreciation and interest on investment.

Overhead Costs

Overhead costs reflect significant expenses associated with the operation of the entire farm business, but are not necessarily attributable to a specific crop enterprise. Examples of farm overhead costs include tax services, record keeping, utilities, farmstead maintenance, and insurance and property taxes where applicable. General farm overhead costs can vary greatly from farm to farm based on many factors including farm size, land tenure and crop production technology utilized. As the primary purpose of this report is to estimate production costs associated with a specific commodity, no charges for general farm overhead are included.

Land and Management Charges

The estimated production expenses included in this report include only direct and fixed expenses associated with the production of the specific crop enterprise. Labor charges included in the enterprise budgets only include charges for field labor. No charges for management are included. In addition, no charges for land are included in the enterprise cost tables. Following each set of enterprise cost tables, two sets of net return tables are included. One set, representing owner operators, includes estimates of net returns above direct and total specified costs, which would represent returns to land, management and general farm overhead. Another set, representing tenant operators, includes estimates net returns above direct and total specified costs with a crop share taken out of revenue, representing net returns to management and general farm overhead.

Acknowledgments

Several individuals were instrumental in making this report possible. The authors are particularly indebted to Louisiana crop producers and LSU Agricultural Center Extension Service agents and Experiment Station scientists for their cooperation and assistance in providing specific production practice information, as well as farm suppliers and agribusiness firms for supplying input price information. This work is supported in part by the U.S.D.A. National Institute of Food and Agriculture, Hatch Project 1014068.

Internet Access

This publication, along with projected costs and returns reports for other major agricultural crop commodities produced in Louisiana, as well as other farm management publications, are available on the Internet on the LSU AgCenter web page under the "*Extension and Outreach*" section of the Department of Agricultural Economics and Agribusiness web page. These projected costs and returns reports are also available on the LSU Ag Center crop commodities web pages. The web address for the LSU AgCenter is: *www.lsuagcenter.com*

Table 1.A Estimated costs per acre,
Rice, Conventional Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
LARice GPS Charge-SW	acre	0.35	9.0000	3.15	_________
App by Air (5 gal)	appl	8.11	5.0000	40.55	_________
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_________
FERTILIZERS					
LA Nitrogen	lb	0.59	130.0000	76.70	_________
LA Phosphate	lb	0.75	40.0000	30.00	_________
LA Potash	lb	0.43	60.0000	25.80	_________
FUNGICIDES					
Quadris	oz	6.25	10.0000	62.50	_________
HERBICIDES					
Facet 75DF	lb	50.00	0.5000	25.00	_________
Londax 60DF	oz	18.08	1.0000	18.08	_________
2,4-D Amine 4	pt	2.88	2.5000	7.20	_________
INSECTICIDES					
Karate Z	oz	1.41	4.0000	5.64	_________
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_________
SEED/PLANTS					
Rice Seed Conv.	lb	0.39	120.0000	46.80	_________
Seed Tmt	oz	0.30	21.6000	6.48	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.50	3.8000	28.50	_________
CUSTOM PLANT					
LARice Air Plant SW	cwt	5.60	1.2000	6.72	_________
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	70.0000	21.00	_________
LA OPERATOR LABOR					
Self-Propelled	hour	17.94	0.3303	5.93	_________
LA Hired Labor					
Tractors	hour	14.53	0.8574	12.46	_________
LA Irrigation Labor					
Irrigation System 1	hour	14.53	0.2153	3.13	_________
DIESEL FUEL					
Tractors	gal	3.50	10.5417	36.90	_________
Self-Propelled	gal	3.50	2.5825	9.04	_________
Irrigation System 1	gal	3.50	32.8389	114.93	_________
REPAIR & MAINTENANCE					
Implements	acre	5.14	1.0000	5.14	_________
Tractors	acre	8.14	1.0000	8.14	_________
Self-Propelled	acre	14.53	1.0000	14.53	_________
Irrigation System 1	acre	3.75	1.0000	3.75	_________
INTEREST ON OP. CAP.	acre	23.80	1.0000	23.80	_________

TOTAL DIRECT EXPENSES				725.45	_________
FIXED EXPENSES					
Implements	acre	14.64	1.0000	14.64	_________
Tractors	acre	62.52	1.0000	62.52	_________
Self-Propelled	acre	26.46	1.0000	26.46	_________
Irrigation System 1	acre	46.38	1.0000	46.38	_________

TOTAL FIXED EXPENSES				150.00	_________

TOTAL SPECIFIED EXPENSES				875.45	_________

Table 1.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Water Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Disk Harrow	32'	4WD 225	0.061	2.00	Nov	5.54	4.36	3.05	8.05	0.12	1.78				22.78
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	6.75	10.44	0.15	0.45	0.10	1.45				19.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Ditcher		MFWD 150	0.020	1.00	Nov	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	3.15	4.87	0.72	3.79	0.04	0.68				13.21
App Fert by Air	cwt			1.00	Feb							1.5000	7.50	11.25	11.25
LA Nitrogen	lb											70.0000	0.59	41.30	41.30
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	7.50	7.50	7.50
LA Phosphate	lb											40.0000	0.75	30.00	30.00
LA Potash	lb											60.0000	0.43	25.80	25.80
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Ditcher		MFWD 150	0.020	1.00	Feb	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Blade-Scraper	10'	MFWD 150	1.176	0.09	Feb	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Rice Gates	each			1.00	Feb							1.0000	3.65	3.65	3.65
LARice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Feb	0.81	1.00	0.13	0.22	0.02	0.36				2.52
LARice Water Level	24 ft	4WD 300	0.149	2.00	Feb	20.26	31.31	0.46	1.23	0.29	4.36				57.62
LARice Air Plant SW	cwt			1.00	Apr							1.2000	5.60	6.72	6.72
Rice Seed Conv.	lb											120.0000	0.39	46.80	46.80
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Seed Tmt	oz											21.6000	0.30	6.48	6.48
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Facet 75DF	lb											0.5000	50.00	25.00	25.00
Londax 60DF	oz											1.0000	18.08	18.08	18.08
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
2,4-D Amine 4	pt											2.5000	2.88	7.20	7.20
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	7.50	9.75	9.75
LA Nitrogen	lb											60.0000	0.59	35.40	35.40
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Quadris	oz											10.0000	6.25	62.50	62.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
LA Rice Combine	25 ft		0.300	1.00	Aug	23.57	26.46			0.33	5.93				55.96
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.37	0.46	0.11	0.24	0.01	0.17				1.35
LARice Haul	cwt			1.00	Aug							70.0000	0.30	21.00	21.00
LARice Dry	cwt			1.00	Aug							77.7000	0.90	69.93	69.93
Digital Ag Fee	acre			1.00	Aug							1.0000	10.00	10.00	10.00
Irrigation System 1	acre				Mar			118.68	46.38	0.21	3.13	1.0000			168.19
TOTALS						68.61	88.98	123.82	61.02	1.40	21.52			487.70	851.65
INTEREST ON OPERATING CAPITAL															23.80
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															875.45

Table 1.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-47	-10	26	63	100	137	173	210	247
85%	59.5	-6	34	73	112	152	191	230	269	309
90%	63.0	36	78	119	161	203	245	287	329	371
95%	66.5	77	121	166	210	255	299	344	388	433
100%	70.0	118	165	212	259	306	353	401	448	495
105%	73.5	160	209	259	308	358	408	457	507	557
110%	77.0	201	253	305	357	410	462	514	566	619
115%	80.5	242	297	352	407	461	516	571	626	680
120%	84.0	283	341	398	456	513	570	628	685	742

Net returns above direct costs for an owner operator is calculated here as market revenue less direct production costs. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses.

Table 1.C2 Estimated Net Returns above Total Specified Costs for an Owner Operator
Rice, Conventional Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-197	-160	-124	-87	-50	-13	23	60	97
85%	59.5	-156	-116	-77	-38	2	41	80	119	159
90%	63.0	-114	-72	-31	11	53	95	137	179	221
95%	66.5	-73	-29	16	60	105	149	194	238	283
100%	70.0	-32	15	62	109	156	203	251	298	345
105%	73.5	10	59	109	158	208	258	307	357	407
110%	77.0	51	103	155	207	260	312	364	416	469
115%	80.5	92	147	202	257	311	366	421	476	530
120%	84.0	133	191	248	306	363	420	478	535	592

Net returns above total specified costs for an owner operator is calculated here as market revenue less total specified costs. Specified costs include charges for direct costs and fixed machinery costs but excludes charges for land, general farm overhead and management expenses.

Table 1.D1 Estimated Net Returns above Direct Costs for a Tenant Operator
Rice, Conventional Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-108	-83	-57	-31	-5	20	46	72	97
85%	59.5	-79	-52	-24	3	31	58	86	113	141
90%	63.0	-50	-21	8	37	67	96	125	155	184
95%	66.5	-22	10	41	72	103	134	165	196	227
100%	70.0	7	40	73	106	139	172	205	238	271
105%	73.5	36	71	106	140	175	210	245	279	314
110%	77.0	65	102	138	175	211	248	284	321	358
115%	80.5	94	132	171	209	247	286	324	363	401
120%	84.0	123	163	203	243	284	324	364	404	444

Net returns above direct costs for a tenant operator is calculated here as the grower’s share of market revenue less direct production costs paid by the grower. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 1.D2 Estimated Net Returns above Total Specified Costs for a Tenant Operator
Rice, Conventional Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-212	-186	-161	-135	-109	-83	-58	-32	-6
85%	59.5	-183	-156	-128	-100	-73	-45	-18	10	37
90%	63.0	-154	-125	-95	-66	-37	-8	22	51	80
95%	66.5	-125	-94	-63	-32	-1	30	62	93	124
100%	70.0	-96	-63	-30	3	35	68	101	134	167
105%	73.5	-67	-33	2	37	72	106	141	176	211
110%	77.0	-38	-2	35	71	108	144	181	217	254
115%	80.5	-10	29	67	106	144	182	221	259	297
120%	84.0	19	60	100	140	180	220	260	300	341

Net returns above total specified costs for a tenant operator is calculated here as the grower’s share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 2.A Estimated costs per acre,
Rice, Clearfield Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
LARice GPS Charge-SW	acre	0.35	9.0000	3.15	_________
App by Air (5 gal)	appl	8.11	5.0000	40.55	_________
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_________
FERTILIZERS					
LA Nitrogen	lb	0.59	130.0000	76.70	_________
LA Phosphate	lb	0.75	40.0000	30.00	_________
LA Potash	lb	0.43	60.0000	25.80	_________
FUNGICIDES					
Quadris	oz	6.25	10.0000	62.50	_________
HERBICIDES					
Newpath 2SL	oz	4.28	8.0000	34.24	_________
Aim 2EC	oz	8.13	1.6000	13.01	_________
INSECTICIDES					
Karate Z	oz	1.41	4.0000	5.64	_________
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_________
SEED/PLANTS					
Rice Clearfield 161	lb	1.30	100.0000	130.00	_________
Seed Tmt	oz	0.30	18.0000	5.40	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.50	3.8000	28.50	_________
CUSTOM PLANT					
LARice Air Plant SW	cwt	5.60	1.0000	5.60	_________
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	70.0000	21.00	_________
LA OPERATOR LABOR					
Self-Propelled	hour	17.94	0.3303	5.93	_________
LA Hired Labor					
Tractors	hour	14.53	0.8574	12.46	_________
LA Irrigation Labor					
Irrigation System 1	hour	14.53	0.2153	3.13	_________
DIESEL FUEL					
Tractors	gal	3.50	11.0156	38.55	_________
Self-Propelled	gal	3.50	2.5825	9.04	_________
Irrigation System 1	gal	3.50	32.8389	114.93	_________
REPAIR & MAINTENANCE					
Implements	acre	5.14	1.0000	5.14	_________
Tractors	acre	9.24	1.0000	9.24	_________
Self-Propelled	acre	14.53	1.0000	14.53	_________
Irrigation System 1	acre	3.75	1.0000	3.75	_________
INTEREST ON OP. CAP.	acre	26.36	1.0000	26.36	_________

TOTAL DIRECT EXPENSES				808.73	_________
FIXED EXPENSES					
Implements	acre	14.64	1.0000	14.64	_________
Tractors	acre	70.98	1.0000	70.98	_________
Self-Propelled	acre	26.46	1.0000	26.46	_________
Irrigation System 1	acre	46.38	1.0000	46.38	_________

TOTAL FIXED EXPENSES				158.46	_________

TOTAL SPECIFIED EXPENSES				967.19	_________

Table 2.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Water Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Disk Harrow	32'	4WD 300	0.061	2.00	Nov	8.29	12.82	3.05	8.05	0.12	1.78				33.99
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	6.75	10.44	0.15	0.45	0.10	1.45				19.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Ditcher		MFWD 150	0.020	1.00	Nov	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	3.15	4.87	0.72	3.79	0.04	0.68				13.21
App Fert by Air	cwt			1.00	Feb							1.5000	7.50	11.25	11.25
LA Nitrogen	lb											70.0000	0.59	41.30	41.30
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	7.50	7.50	7.50
LA Phosphate	lb											40.0000	0.75	30.00	30.00
LA Potash	lb											60.0000	0.43	25.80	25.80
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Ditcher		MFWD 150	0.020	1.00	Feb	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Blade-Scraper	10'	MFWD 150	1.176	0.09	Feb	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Rice Gates	each			1.00	Feb							1.0000	3.65	3.65	3.65
LARice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Feb	0.81	1.00	0.13	0.22	0.02	0.36				2.52
LARice Water Level	24 ft	4WD 300	0.149	2.00	Feb	20.26	31.31	0.46	1.23	0.29	4.36				57.62
Irrigation System 1					Mar										
LARice Air Plant SW	cwt			1.00	Apr							1.0000	5.60	5.60	5.60
Rice Clearfield 161	lb											100.0000	1.30	130.00	130.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Seed Tmt	oz											18.0000	0.30	5.40	5.40
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Newpath 2SL	oz											4.0000	4.28	17.12	17.12
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Newpath 2SL	oz											4.0000	4.28	17.12	17.12
Aim 2EC	oz											1.6000	8.13	13.01	13.01
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	7.50	9.75	9.75
LA Nitrogen	lb											60.0000	0.59	35.40	35.40
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Quadris	oz											10.0000	6.25	62.50	62.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
LA Rice Combine	25 ft		0.300	1.00	Aug	23.57	26.46			0.33	5.93				55.96
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.37	0.46	0.11	0.24	0.01	0.17				1.35
LARice Haul	cwt			1.00	Aug							70.0000	0.30	21.00	21.00
LARice Dry	cwt			1.00	Aug							77.7000	0.90	69.93	69.93
Digital Ag Fee	acre			1.00	Aug							1.0000	10.00	10.00	10.00
Irrigation System 1	acre				Mar			118.68	46.38	0.21	3.13	1.0000			168.19
TOTALS						71.36	97.44	123.82	61.02	1.40	21.52			565.67	940.83
INTEREST ON OPERATING CAPITAL															26.36
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															967.19

Table 2.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Clearfield Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-130	-94	-57	-20	17	53	90	127	164
85%	59.5	-89	-50	-10	29	68	108	147	186	225
90%	63.0	-48	-6	36	78	120	162	204	246	287
95%	66.5	-6	38	83	127	172	216	260	305	349
100%	70.0	35	82	129	176	223	270	317	364	411
105%	73.5	76	126	176	225	275	324	374	424	473
110%	77.0	118	170	222	274	326	379	431	483	535
115%	80.5	159	214	268	323	378	433	488	542	597
120%	84.0	200	258	315	372	430	487	544	602	659

Net returns above direct costs for an owner operator is calculated here as market revenue less direct production costs. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses.

Table 2.C2 Estimated Net Returns above Total Specified Costs for an Owner Operator
Rice, Clearfield Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-289	-252	-215	-179	-142	-105	-68	-32	5
85%	59.5	-247	-208	-169	-129	-90	-51	-12	28	67
90%	63.0	-206	-164	-122	-80	-39	3	45	87	129
95%	66.5	-165	-120	-76	-31	13	58	102	146	191
100%	70.0	-124	-76	-29	18	65	112	159	206	253
105%	73.5	-82	-33	17	67	116	166	216	265	315
110%	77.0	-41	11	64	116	168	220	272	325	377
115%	80.5	0	55	110	165	220	274	329	384	439
120%	84.0	42	99	156	214	271	329	386	443	501

Net returns above total specified costs for an owner operator is calculated here as market revenue less total specified costs. Specified costs include charges for direct costs and fixed machinery costs but excludes charges for land, general farm overhead and management expenses.

Table 2.D1 Estimated Net Returns above Direct Costs for a Tenant Operator
Rice, Clearfield Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-192	-166	-140	-114	-89	-63	-37	-12	14
85%	59.5	-163	-135	-108	-80	-53	-25	2	30	57
90%	63.0	-134	-104	-75	-46	-16	13	42	71	101
95%	66.5	-105	-74	-43	-11	20	51	82	113	144
100%	70.0	-76	-43	-10	23	56	89	122	155	188
105%	73.5	-47	-12	22	57	92	127	161	196	231
110%	77.0	-18	18	55	92	128	165	201	238	274
115%	80.5	11	49	87	126	164	203	241	279	318
120%	84.0	40	80	120	160	200	240	281	321	361

Net returns above direct costs for a tenant operator is calculated here as the grower's share of market revenue less direct production costs paid by the grower. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 2.D2 Estimated Net Returns above Total Specified Costs for a Tenant Operator
Rice, Clearfield Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-304	-278	-252	-227	-201	-175	-149	-124	-98
85%	59.5	-275	-247	-220	-192	-165	-137	-110	-82	-55
90%	63.0	-246	-217	-187	-158	-129	-99	-70	-41	-11
95%	66.5	-217	-186	-155	-124	-92	-61	-30	1	32
100%	70.0	-188	-155	-122	-89	-56	-23	10	43	75
105%	73.5	-159	-124	-90	-55	-20	15	49	84	119
110%	77.0	-130	-94	-57	-21	16	53	89	126	162
115%	80.5	-101	-63	-25	14	52	90	129	167	206
120%	84.0	-72	-32	8	48	88	128	169	209	249

Net returns above total specified costs for a tenant operator is calculated here as the grower's share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 3.A Estimated costs per acre,
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
LARice GPS Charge-SW	acre	0.35	7.0000	2.45	_________
App by Air (5 gal)	appl	8.11	4.0000	32.44	_________
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_________
FERTILIZERS					
LA Nitrogen	lb	0.59	130.0000	76.70	_________
LA Phosphate	lb	0.75	40.0000	30.00	_________
LA Potash	lb	0.43	60.0000	25.80	_________
FUNGICIDES					
Quadris	oz	6.25	10.0000	62.50	_________
HERBICIDES					
Command 3ME	pt	17.50	0.8000	14.00	_________
Permit 75DF	oz	19.50	1.0000	19.50	_________
INSECTICIDES					
Karate Z	oz	1.41	4.0000	5.64	_________
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_________
SEED/PLANTS					
Rice Seed Conv.	lb	0.39	90.0000	35.10	_________
Seed Tmt	oz	0.30	16.2000	4.86	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.50	3.8000	28.50	_________
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	70.0000	21.00	_________
HAND LABOR					
Implements	hour	14.53	0.0942	1.37	_________
LA OPERATOR LABOR					
Self-Propelled	hour	17.94	0.3303	5.93	_________
LA Hired Labor					
Tractors	hour	14.53	0.7118	10.34	_________
LA Irrigation Labor					
Irrigation System 2	hour	14.53	0.2074	3.01	_________
DIESEL FUEL					
Tractors	gal	3.50	7.5765	26.51	_________
Self-Propelled	gal	3.50	2.5825	9.04	_________
Irrigation System 2	gal	3.50	35.4660	124.13	_________
REPAIR & MAINTENANCE					
Implements	acre	6.70	1.0000	6.70	_________
Tractors	acre	6.01	1.0000	6.01	_________
Self-Propelled	acre	14.53	1.0000	14.53	_________
Irrigation System 2	acre	3.61	1.0000	3.61	_________
INTEREST ON OP. CAP.	acre	21.97	1.0000	21.97	_________

TOTAL DIRECT EXPENSES				675.22	_________
FIXED EXPENSES					
Implements	acre	18.15	1.0000	18.15	_________
Tractors	acre	45.84	1.0000	45.84	_________
Self-Propelled	acre	26.46	1.0000	26.46	_________
Irrigation System 2	acre	46.38	1.0000	46.38	_________

TOTAL FIXED EXPENSES				136.83	_________

TOTAL SPECIFIED EXPENSES				812.05	_________

Table 3.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Drill Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Disk Harrow	32'	4WD 300	0.061	2.00	Nov	8.29	12.82	3.05	8.05	0.12	1.78				33.99
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	6.75	10.44	0.15	0.45	0.10	1.45				19.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Ditcher		MFWD 150	0.020	1.00	Nov	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	3.15	4.87	0.72	3.79	0.04	0.68				13.21
App Fert by Air	cwt			1.00	Feb							1.5000	7.50	11.25	11.25
LA Nitrogen	lb											70.0000	0.59	41.30	41.30
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	7.50	7.50	7.50
LA Phosphate	lb											40.0000	0.75	30.00	30.00
LA Potash	lb											60.0000	0.43	25.80	25.80
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	3.05	3.77	1.89	4.57	0.18	2.74				16.02
Rice Seed Conv.	lb											90.0000	0.39	35.10	35.10
Seed Tmt	oz											16.2000	0.30	4.86	4.86
Ditcher		MFWD 150	0.020	1.00	Apr	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Rice Gates	each			1.00	Apr							1.0000	3.65	3.65	3.65
LARice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Apr	0.81	1.00	0.13	0.22	0.02	0.36				2.52
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	1.94	2.40	0.13	0.17	0.05	0.87				5.51
Command 3ME	pt											0.8000	17.50	14.00	14.00
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Permit 75DF	oz											1.0000	19.50	19.50	19.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	7.50	9.75	9.75
LA Nitrogen	lb											60.0000	0.59	35.40	35.40
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Quadris	oz											10.0000	6.25	62.50	62.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
LA Rice Combine	25 ft		0.300	1.00	Aug	23.57	26.46			0.33	5.93				55.96
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.37	0.46	0.11	0.24	0.01	0.17				1.35
LARice Haul	cwt			1.00	Aug							70.0000	0.30	21.00	21.00
LARice Dry	cwt			1.00	Aug							77.7000	0.90	69.93	69.93
Digital Ag Fee	acre			1.00	Aug							1.0000	10.00	10.00	10.00
Irrigation System 2	acre				Mar			127.74	46.38	0.20	3.01	1.0000			177.13
TOTALS						56.09	72.30	134.44	64.53	1.34	20.65			442.07	790.08
INTEREST ON OPERATING CAPITAL															21.97
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															812.05

Table 3.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	3	40	77	113	150	187	224	260	297
85%	59.5	45	84	123	162	202	241	280	320	359
90%	63.0	86	128	170	212	253	295	337	379	421
95%	66.5	127	172	216	261	305	349	394	438	483
100%	70.0	168	216	263	310	357	404	451	498	545
105%	73.5	210	259	309	359	408	458	508	557	607
110%	77.0	251	303	355	408	460	512	564	617	669
115%	80.5	292	347	402	457	512	566	621	676	731
120%	84.0	334	391	448	506	563	621	678	735	793

Net returns above direct costs for an owner operator is calculated here as market revenue less direct production costs. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses.

Table 3.C2 Estimated Net Returns above Total Specified Costs for an Owner Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-134	-97	-60	-23	13	50	87	123	160
85%	59.5	-92	-53	-14	26	65	104	144	183	222
90%	63.0	-51	-9	33	75	117	158	200	242	284
95%	66.5	-10	35	79	124	168	213	257	302	346
100%	70.0	32	79	126	173	220	267	314	361	408
105%	73.5	73	123	172	222	271	321	371	420	470
110%	77.0	114	166	219	271	323	375	427	480	532
115%	80.5	156	210	265	320	375	429	484	539	594
120%	84.0	197	254	312	369	426	484	541	598	656

Net returns above total specified costs for an owner operator is calculated here as market revenue less total specified costs. Specified costs include charges for direct costs and fixed machinery costs but excludes charges for land, general farm overhead and management expenses.

Table 3.D1 Estimated Net Returns above Direct Costs for a Tenant Operator Rice, Conventional Variety, Drill Planted, Conventional Tillage, Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-49	-23	3	28	54	80	105	131	157
85%	59.5	-20	8	35	63	90	118	145	173	200
90%	63.0	9	38	68	97	126	156	185	214	243
95%	66.5	38	69	100	131	162	193	225	256	287
100%	70.0	67	100	133	166	198	231	264	297	330
105%	73.5	96	130	165	200	235	269	304	339	374
110%	77.0	125	161	198	234	271	307	344	380	417
115%	80.5	153	192	230	269	307	345	384	422	460
120%	84.0	182	223	263	303	343	383	423	464	504

Net returns above direct costs for a tenant operator is calculated here as the grower’s share of market revenue less direct production costs paid by the grower. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 3.D2 Estimated Net Returns above Total Specified Costs for a Tenant Operator Rice, Conventional Variety, Drill Planted, Conventional Tillage, Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-139	-114	-88	-62	-37	-11	15	41	66
85%	59.5	-110	-83	-55	-28	0	27	55	82	110
90%	63.0	-82	-52	-23	6	36	65	94	124	153
95%	66.5	-53	-21	10	41	72	103	134	165	196
100%	70.0	-24	9	42	75	108	141	174	207	240
105%	73.5	5	40	75	109	144	179	214	248	283
110%	77.0	34	71	107	144	180	217	253	290	327
115%	80.5	63	101	140	178	216	255	293	332	370
120%	84.0	92	132	172	212	253	293	333	373	413

Net returns above total specified costs for a tenant operator is calculated here as the grower’s share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 4.A Estimated costs per acre,
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
LARice GPS Charge-SW	acre	0.35	8.0000	2.80	_________
App by Air (5 gal)	appl	8.11	5.0000	40.55	_________
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_________
FERTILIZERS					
LA Nitrogen	lb	0.59	130.0000	76.70	_________
LA Phosphate	lb	0.75	40.0000	30.00	_________
LA Potash	lb	0.43	60.0000	25.80	_________
FUNGICIDES					
Quadris	oz	6.25	10.0000	62.50	_________
HERBICIDES					
Newpath 2SL	oz	4.28	8.0000	34.24	_________
Aim 2EC	oz	8.13	1.6000	13.01	_________
INSECTICIDES					
Karate Z	oz	1.41	4.0000	5.64	_________
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_________
SEED/PLANTS					
Rice Clearfield 161	lb	1.30	75.0000	97.50	_________
Seed Tmt	oz	0.30	13.5000	4.05	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.50	3.8000	28.50	_________
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	70.0000	21.00	_________
HAND LABOR					
Implements	hour	14.53	0.0942	1.37	_________
LA OPERATOR LABOR					
Self-Propelled	hour	17.94	0.3303	5.93	_________
LA Hired Labor					
Tractors	hour	14.53	0.6518	9.47	_________
LA Irrigation Labor					
Irrigation System 2	hour	14.53	0.2074	3.01	_________
DIESEL FUEL					
Tractors	gal	3.50	7.2104	25.23	_________
Self-Propelled	gal	3.50	2.5825	9.04	_________
Irrigation System 2	gal	3.50	35.4660	124.13	_________
REPAIR & MAINTENANCE					
Implements	acre	6.57	1.0000	6.57	_________
Tractors	acre	5.78	1.0000	5.78	_________
Self-Propelled	acre	14.53	1.0000	14.53	_________
Irrigation System 2	acre	3.61	1.0000	3.61	_________
INTEREST ON OP. CAP.	acre	24.62	1.0000	24.62	_________

TOTAL DIRECT EXPENSES				759.16	_________
FIXED EXPENSES					
Implements	acre	17.98	1.0000	17.98	_________
Tractors	acre	44.25	1.0000	44.25	_________
Self-Propelled	acre	26.46	1.0000	26.46	_________
Irrigation System 2	acre	46.38	1.0000	46.38	_________

TOTAL FIXED EXPENSES				135.07	_________

TOTAL SPECIFIED EXPENSES				894.23	_________

Table 4.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Drill Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Disk Harrow	32'	4WD 300	0.061	2.00	Nov	8.29	12.82	3.05	8.05	0.12	1.78				33.99
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	6.75	10.44	0.15	0.45	0.10	1.45				19.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Ditcher		MFWD 150	0.020	1.00	Nov	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	3.15	4.87	0.72	3.79	0.04	0.68				13.21
App Fert by Air	cwt			1.00	Feb							1.5000	7.50	11.25	11.25
LA Nitrogen	lb											70.0000	0.59	41.30	41.30
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	7.50	7.50	7.50
LA Phosphate	lb											40.0000	0.75	30.00	30.00
LA Potash	lb											60.0000	0.43	25.80	25.80
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Irrigation System 2					Mar										
Grain Drill	20'	MFWD 170	0.094	1.00	Apr	3.48	4.58	1.89	4.57	0.18	2.74				17.26
Rice Clearfield 161	lb											75.0000	1.30	97.50	97.50
Seed Tmt	oz											13.5000	0.30	4.05	4.05
Ditcher		MFWD 150	0.020	1.00	Apr	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Rice Gates	each			1.00	Apr							1.0000	3.65	3.65	3.65
LARice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Apr	0.81	1.00	0.13	0.22	0.02	0.36				2.52
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Newpath 2SL	oz											4.0000	4.28	17.12	17.12
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Newpath 2SL	oz											4.0000	4.28	17.12	17.12
Aim 2EC	oz											1.6000	8.13	13.01	13.01
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	7.50	9.75	9.75
LA Nitrogen	lb											60.0000	0.59	35.40	35.40
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Quadris	oz											10.0000	6.25	62.50	62.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
LA Rice Combine	25 ft		0.300	1.00	Aug	23.57	26.46			0.33	5.93				55.96
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.37	0.46	0.11	0.24	0.01	0.17				1.35
LARice Haul	cwt			1.00	Aug							70.0000	0.30	21.00	21.00
LARice Dry	cwt			1.00	Aug							77.7000	0.90	69.93	69.93
Digital Ag Fee	acre			1.00	Aug							1.0000	10.00	10.00	10.00
Irrigation System 2	acre				Mar			127.74	46.38	0.20	3.01	1.0000			177.13
TOTALS						54.58	70.71	134.31	64.36	1.28	19.78			525.87	869.61
INTEREST ON OPERATING CAPITAL															24.62
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															894.23

Table 4.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-81	-44	-7	29	66	103	140	176	213
85%	59.5	-39	0	39	79	118	157	196	236	275
90%	63.0	2	44	86	128	169	211	253	295	337
95%	66.5	43	88	132	177	221	266	310	354	399
100%	70.0	85	132	179	226	273	320	367	414	461
105%	73.5	126	175	225	275	324	374	424	473	523
110%	77.0	167	219	272	324	376	428	480	533	585
115%	80.5	208	263	318	373	428	482	537	592	647
120%	84.0	250	307	364	422	479	537	594	651	709

Net returns above direct costs for an owner operator is calculated here as market revenue less direct production costs. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses.

Table 4.C2 Estimated Net Returns above Total Specified Costs for an Owner Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-216	-179	-142	-106	-69	-32	5	41	78
85%	59.5	-174	-135	-96	-57	-17	22	61	101	140
90%	63.0	-133	-91	-49	-7	34	76	118	160	202
95%	66.5	-92	-47	-3	42	86	130	175	219	264
100%	70.0	-51	-4	44	91	138	185	232	279	326
105%	73.5	-9	40	90	140	189	239	289	338	388
110%	77.0	32	84	136	189	241	293	345	398	450
115%	80.5	73	128	183	238	293	347	402	457	512
120%	84.0	115	172	229	287	344	402	459	516	574

Net returns above total specified costs for an owner operator is calculated here as market revenue less total specified costs. Specified costs include charges for direct costs and fixed machinery costs but excludes charges for land, general farm overhead and management expenses.

Table 4.D1 Estimated Net Returns above Direct Costs for a Tenant Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-133	-107	-81	-56	-30	-4	21	47	73
85%	59.5	-104	-76	-49	-21	6	34	61	89	116
90%	63.0	-75	-46	-16	13	42	72	101	130	160
95%	66.5	-46	-15	16	47	78	110	141	172	203
100%	70.0	-17	16	49	82	115	147	180	213	246
105%	73.5	12	46	81	116	151	185	220	255	290
110%	77.0	41	77	114	150	187	223	260	296	333
115%	80.5	70	108	146	185	223	261	300	338	376
120%	84.0	98	139	179	219	259	299	339	380	420

Net returns above direct costs for a tenant operator is calculated here as the grower's share of market revenue less direct production costs paid by the grower. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 4.D2 Estimated Net Returns above Total Specified Costs for a Tenant Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	56.0	-222	-196	-170	-144	-119	-93	-67	-42	-16
85%	59.5	-193	-165	-138	-110	-83	-55	-28	0	28
90%	63.0	-164	-134	-105	-76	-46	-17	12	42	71
95%	66.5	-135	-104	-73	-41	-10	21	52	83	114
100%	70.0	-106	-73	-40	-7	26	59	92	125	158
105%	73.5	-77	-42	-7	27	62	97	131	166	201
110%	77.0	-48	-11	25	62	98	135	171	208	244
115%	80.5	-19	19	58	96	134	173	211	249	288
120%	84.0	10	50	90	130	170	211	251	291	331

Net returns above total specified costs for a tenant operator is calculated here as the grower's share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 5.A Estimated costs per acre,
Rice, Hybrid Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
LARice GPS Charge-SW	acre	0.35	7.0000	2.45	________
App by Air (5 gal)	appl	8.11	4.0000	32.44	________
GIN/DRY					
LARice Dry	cwt	0.90	88.8000	79.92	________
FERTILIZERS					
LA Nitrogen	lb	0.59	150.0000	88.50	________
LA Phosphate	lb	0.75	40.0000	30.00	________
LA Potash	lb	0.43	60.0000	25.80	________
FUNGICIDES					
Stratego	pt	22.50	0.7100	15.98	________
HERBICIDES					
Command 3ME	pt	17.50	0.8000	14.00	________
Permit 75DF	oz	19.50	1.0000	19.50	________
INSECTICIDES					
Karate Z	oz	1.41	4.0000	5.64	________
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	________
SEED/PLANTS					
LA Hybrid Rice Seed	acre	188.00	1.0000	188.00	________
Seed Tmt	oz	0.30	3.6000	1.08	________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	________
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.50	3.8000	28.50	________
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	80.0000	24.00	________
HAND LABOR					
Implements	hour	14.53	0.0942	1.37	________
LA OPERATOR LABOR					
Self-Propelled	hour	17.94	0.3303	5.93	________
LA Hired Labor					
Tractors	hour	14.53	0.6505	9.45	________
LA Irrigation Labor					
Irrigation System 2	hour	14.53	0.2074	3.01	________
DIESEL FUEL					
Tractors	gal	3.50	6.6287	23.20	________
Self-Propelled	gal	3.50	2.5825	9.04	________
Irrigation System 2	gal	3.50	35.4660	124.13	________
REPAIR & MAINTENANCE					
Implements	acre	5.17	1.0000	5.17	________
Tractors	acre	5.18	1.0000	5.18	________
Self-Propelled	acre	14.53	1.0000	14.53	________
Irrigation System 2	acre	3.61	1.0000	3.61	________
INTEREST ON OP. CAP.	acre	32.59	1.0000	32.59	________

TOTAL DIRECT EXPENSES				806.67	________
FIXED EXPENSES					
Implements	acre	14.13	1.0000	14.13	________
Tractors	acre	39.43	1.0000	39.43	________
Self-Propelled	acre	26.46	1.0000	26.46	________
Irrigation System 2	acre	46.38	1.0000	46.38	________

TOTAL FIXED EXPENSES				126.40	________

TOTAL SPECIFIED EXPENSES				933.07	________

Table 5.B Estimated resource use and costs for field operations, per acre, Rice, Hybrid Variety, Drill Planted, (In Rotation), Southwest Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Disk Harrow	32'	4WD 300	0.061	1.00	Nov	4.15	6.41	1.52	4.03	0.06	0.89				17.00
LA Hybrid Rice Seed	acre											1.0000	188.00	188.00	188.00
Seed Tmt	oz											3.6000	0.30	1.08	1.08
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	6.75	10.44	0.15	0.45	0.10	1.45				19.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Ditcher		MFWD 150	0.020	1.00	Nov	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	3.15	4.87	0.72	3.79	0.04	0.68				13.21
App Fert by Air	cwt			1.00	Feb							1.5000	7.50	11.25	11.25
LA Nitrogen	lb											75.0000	0.59	44.25	44.25
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	7.50	7.50	7.50
LA Phosphate	lb											40.0000	0.75	30.00	30.00
LA Potash	lb											60.0000	0.43	25.80	25.80
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	3.05	3.77	1.89	4.57	0.18	2.74				16.02
Ditcher		MFWD 150	0.020	1.00	Apr	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Rice Gates	each			1.00	Apr							1.0000	3.65	3.65	3.65
LARice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Apr	0.81	1.00	0.13	0.22	0.02	0.36				2.52
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	1.94	2.40	0.13	0.17	0.05	0.87				5.51
Command 3ME	pt											0.8000	17.50	14.00	14.00
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Permit 75DF	oz											1.0000	19.50	19.50	19.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	7.50	9.75	9.75
LA Nitrogen	lb											75.0000	0.59	44.25	44.25
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Stratego	pt											0.7100	22.50	15.98	15.98
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
LA Rice Combine	25 ft		0.300	1.00	Aug	23.57	26.46			0.33	5.93				55.96
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.37	0.46	0.11	0.24	0.01	0.17				1.35
LARice Haul	cwt			1.00	Aug							80.0000	0.30	24.00	24.00
LARice Dry	cwt			1.00	Aug							88.8000	0.90	79.92	79.92
Digital Ag Fee	acre			1.00	Aug							1.0000	10.00	10.00	10.00
Irrigation System 2	acre				Mar			127.74	46.38	0.20	3.01	1.0000			177.13
TOTALS						51.95	65.89	132.91	60.51	1.28	19.76			569.46	900.48
INTEREST ON OPERATING CAPITAL															32.59
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															933.07

Table 5.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Hybrid Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	64.0	-31	11	53	95	137	179	221	263	304
85%	68.0	16	61	106	151	196	241	285	330	375
90%	72.0	63	111	159	207	255	302	350	398	446
95%	76.0	110	161	212	263	314	364	415	466	517
100%	80.0	158	211	265	319	373	426	480	534	588
105%	84.0	205	261	318	375	432	488	545	602	658
110%	88.0	252	312	371	431	491	550	610	670	729
115%	92.0	299	362	424	487	550	612	675	737	800
120%	96.0	346	412	477	543	609	674	740	805	871

Net returns above direct costs for an owner operator is calculated here as market revenue less direct production costs. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses.

Table 5.C2 Estimated Net Returns above Total Specified Costs for an Owner Operator
Rice, Hybrid Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	64.0	-158	-116	-74	-32	10	52	94	136	178
85%	68.0	-110	-66	-21	24	69	114	159	204	249
90%	72.0	-63	-15	32	80	128	176	224	272	320
95%	76.0	-16	35	86	136	187	238	289	340	390
100%	80.0	31	85	139	192	246	300	354	408	461
105%	84.0	78	135	192	248	305	362	419	475	532
110%	88.0	126	185	245	305	364	424	484	543	603
115%	92.0	173	235	298	361	423	486	548	611	674
120%	96.0	220	286	351	417	482	548	613	679	744

Net returns above total specified costs for an owner operator is calculated here as market revenue less total specified costs. Specified costs include charges for direct costs and fixed machinery costs but excludes charges for land, general farm overhead and management expenses.

Table 5.D1 Estimated Net Returns above Direct Costs for a Tenant Operator
Rice, Hybrid Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	64.0	-109	-79	-50	-20	9	38	68	97	126
85%	68.0	-76	-44	-13	19	50	82	113	145	176
90%	72.0	-42	-9	25	58	92	125	159	192	226
95%	76.0	-9	26	62	97	133	168	204	240	275
100%	80.0	24	61	99	136	174	212	249	287	325
105%	84.0	57	96	136	176	215	255	295	335	374
110%	88.0	90	131	173	215	257	298	340	382	424
115%	92.0	123	167	210	254	298	342	386	430	473
120%	96.0	156	202	248	293	339	385	431	477	523

Net returns above direct costs for a tenant operator is calculated here as the grower's share of market revenue less direct production costs paid by the grower. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 5.D2 Estimated Net Returns above Total Specified Costs for a Tenant Operator
Rice, Hybrid Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	64.0	-189	-159	-130	-100	-71	-42	-12	17	46
85%	68.0	-156	-124	-93	-61	-30	2	33	65	96
90%	72.0	-123	-89	-56	-22	12	45	79	112	146
95%	76.0	-89	-54	-18	17	53	88	124	160	195
100%	80.0	-56	-19	19	56	94	132	169	207	245
105%	84.0	-23	16	56	96	135	175	215	255	294
110%	88.0	10	51	93	135	177	218	260	302	344
115%	92.0	43	87	130	174	218	262	306	350	393
120%	96.0	76	122	168	213	259	305	351	397	443

Net returns above total specified costs for a tenant operator is calculated here as the grower's share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 6.A Estimated costs per acre,
Rice, Ratoon Crop,
Southwest Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
LARice GPS Charge-SW	acre	0.35	1.0000	0.35	_________
GIN/DRY					
LARice Dry	cwt	0.90	25.5000	22.95	_________
FERTILIZERS					
LA Nitrogen	lb	0.59	55.0000	32.45	_________
SERVICE FEE					
App Fert by Air	cwt	9.00	1.2000	10.80	_________
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	23.0000	6.90	_________
LA OPERATOR LABOR					
Self-Propelled	hour	17.94	0.3303	5.93	_________
LA Hired Labor					
Tractors	hour	14.53	0.0820	1.20	_________
LA Irrigation Labor					
Irrigation System 3	hour	14.53	0.0861	1.26	_________
DIESEL FUEL					
Tractors	gal	3.50	0.6332	2.22	_________
Self-Propelled	gal	3.50	2.5825	9.04	_________
Irrigation System 3	gal	3.50	13.1355	45.97	_________
REPAIR & MAINTENANCE					
Implements	acre	0.24	1.0000	0.24	_________
Tractors	acre	0.44	1.0000	0.44	_________
Self-Propelled	acre	14.53	1.0000	14.53	_________
INTEREST ON OP. CAP.	acre	3.42	1.0000	3.42	_________

TOTAL DIRECT EXPENSES				167.70	_________
FIXED EXPENSES					
Implements	acre	0.38	1.0000	0.38	_________
Tractors	acre	3.28	1.0000	3.28	_________
Self-Propelled	acre	26.46	1.0000	26.46	_________

TOTAL FIXED EXPENSES				30.12	_________

TOTAL SPECIFIED EXPENSES				197.82	_________

Table 6.B Estimated resource use and costs for field operations, per acre, Rice, Ratoon Crop, Southwest Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Blade-Scraper	10'	MFWD 150	1.176	0.06	Aug	2.29	2.82	0.13	0.14	0.07	1.03				6.41
Irrigation System 3					Aug										
App Fert by Air	cwt			1.00	Aug							1.2000	9.00	10.80	10.80
LA Nitrogen	lb											55.0000	0.59	32.45	32.45
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
LA Rice Combine-2	25 ft		0.300	1.00	Oct	23.57	26.46			0.33	5.93				55.96
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Oct	0.37	0.46	0.11	0.24	0.01	0.17				1.35
LARice Haul	cwt			1.00	Oct							23.0000	0.30	6.90	6.90
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
LARice Dry	cwt			1.00	Nov							25.5000	0.90	22.95	22.95
Irrigation System 3	acre				Aug			45.97		0.08	1.26	1.0000			47.23
TOTALS						26.23	29.74	46.21	0.38	0.49	8.39			83.45	194.40
INTEREST ON OPERATING CAPITAL															3.42
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															197.82

Table 6.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Ratoon Crop,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	18.4	55	67	79	91	103	116	128	140	152
85%	19.6	69	82	95	108	120	133	146	159	172
90%	20.7	82	96	110	124	137	151	165	179	192
95%	21.9	96	111	125	140	154	169	184	198	213
100%	23.0	109	125	140	156	171	187	202	218	233
105%	24.2	123	139	156	172	188	205	221	237	254
110%	25.3	137	154	171	188	205	222	240	257	274
115%	26.5	150	168	186	204	222	240	258	276	294
120%	27.6	164	183	201	220	239	258	277	296	315

Net returns above direct costs for an owner operator is calculated here as market revenue less direct production costs. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses.

Table 6.C2 Estimated Net Returns above Total Specified Costs for an Owner Operator
Rice, Ratoon Crop,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	18.4	25	37	49	61	73	85	97	110	122
85%	19.6	39	52	64	77	90	103	116	129	142
90%	20.7	52	66	80	94	107	121	135	149	162
95%	21.9	66	80	95	110	124	139	153	168	183
100%	23.0	79	95	110	126	141	157	172	188	203
105%	24.2	93	109	126	142	158	174	191	207	223
110%	25.3	107	124	141	158	175	192	209	227	244
115%	26.5	120	138	156	174	192	210	228	246	264
120%	27.6	134	152	171	190	209	228	247	266	284

Net returns above total specified costs for an owner operator is calculated here as market revenue less total specified costs. Specified costs include charges for direct costs and fixed machinery costs but excludes charges for land, general farm overhead and management expenses.

Table 6.D1 Estimated Net Returns above Direct Costs for a Tenant Operator
Rice, Ratoon Crop,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	18.4	43	52	60	69	77	85	94	102	111
85%	19.6	53	62	71	80	89	98	107	116	125
90%	20.7	62	72	82	91	101	110	120	130	139
95%	21.9	72	82	92	102	113	123	133	143	154
100%	23.0	81	92	103	114	125	135	146	157	168
105%	24.2	91	102	114	125	136	148	159	171	182
110%	25.3	100	112	124	136	148	160	172	184	196
115%	26.5	110	122	135	148	160	173	185	198	211
120%	27.6	119	132	146	159	172	185	198	212	225

Net returns above direct costs for a tenant operator is calculated here as the grower’s share of market revenue less direct production costs paid by the grower. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 6.D2 Estimated Net Returns above Total Specified Costs for a Tenant Operator
Rice, Ratoon Crop,
Southwest Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	18.4	13	22	30	38	47	55	64	72	81
85%	19.6	23	32	41	50	59	68	77	86	95
90%	20.7	32	42	51	61	71	80	90	100	109
95%	21.9	42	52	62	72	83	93	103	113	123
100%	23.0	51	62	73	84	94	105	116	127	138
105%	24.2	61	72	83	95	106	118	129	141	152
110%	25.3	70	82	94	106	118	130	142	154	166
115%	26.5	80	92	105	117	130	143	155	168	180
120%	27.6	89	102	116	129	142	155	168	181	195

Net returns above total specified costs for a tenant operator is calculated here as the grower’s share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 7.A Estimated costs per acre,
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
LARice GPS Charge_NE	acre	0.25	7.0000	1.75	________
App by Air (5 gal)	appl	8.11	4.0000	32.44	________
GIN/DRY					
LARice Dry	cwt	0.90	78.0000	70.20	________
FERTILIZERS					
LA Nitrogen	lb	0.59	170.0000	100.30	________
FUNGICIDES					
Quadris	oz	6.25	10.0000	62.50	________
HERBICIDES					
Command 3ME	pt	17.50	0.8000	14.00	________
Permit 75DF	oz	19.50	1.0000	19.50	________
INSECTICIDES					
Karate Z	oz	1.41	4.0000	5.64	________
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	________
SEED/PLANTS					
Rice Seed Conv.	lb	0.39	90.0000	35.10	________
SERVICE FEE					
App Fert by Air	cwt	9.00	3.7000	33.30	________
Digital Ag Fee	acre	10.00	1.0000	10.00	________
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	71.0000	21.30	________
HAND LABOR					
Implements	hour	14.53	0.0942	1.37	________
LA OPERATOR LABOR					
Self-Propelled	hour	17.94	0.3303	5.93	________
LA Hired Labor					
Tractors	hour	14.53	0.8249	11.99	________
LA Irrigation Labor					
Irrigation System 5	hour	14.53	0.4361	6.32	________
DIESEL FUEL					
Tractors	gal	3.50	7.9039	27.67	________
Self-Propelled	gal	3.50	2.5825	9.04	________
Irrigation System 5	gal	3.50	28.5331	99.86	________
REPAIR & MAINTENANCE					
Implements	acre	8.19	1.0000	8.19	________
Tractors	acre	6.09	1.0000	6.09	________
Self-Propelled	acre	14.53	1.0000	14.53	________
Irrigation System 5	acre	2.17	1.0000	2.17	________
INTEREST ON OP. CAP.	acre	16.49	1.0000	16.49	________

TOTAL DIRECT EXPENSES				619.33	________
FIXED EXPENSES					
Implements	acre	22.29	1.0000	22.29	________
Tractors	acre	46.58	1.0000	46.58	________
Self-Propelled	acre	26.46	1.0000	26.46	________
Irrigation System 5	acre	17.40	1.0000	17.40	________

TOTAL FIXED EXPENSES				112.73	________

TOTAL SPECIFIED EXPENSES				732.06	________

Table 7.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Drill Plant, Conventional Tillage, (In Rotation), Northeast Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Disk Harrow	32'	4WD 300	0.061	1.00	Nov	4.15	6.41	1.52	4.03	0.06	0.89				17.00
Ditcher		MFWD 150	0.020	2.00	Nov	1.29	1.60	0.14	0.23	0.04	0.58				3.84
Disk Harrow	28'	MFWD 190	0.070	2.00	Mar	5.88	8.34	2.91	7.70	0.14	2.04				26.87
Irrigation System 5					Mar										
Ditcher		MFWD 150	0.020	1.00	Mar	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Field Cultivate	32'	4WD 300	0.046	1.00	Mar	3.15	4.87	0.72	3.79	0.04	0.68				13.21
LARice Levee Plow	8 ft	MFWD 190	0.050	4.00	Mar	8.39	11.89	0.31	0.89	0.20	2.91				24.39
App Fert by Air	cwt			1.00	Apr							0.4000	9.00	3.60	3.60
LA Nitrogen	lb											20.0000	0.59	11.80	11.80
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	3.05	3.77	1.89	4.57	0.18	2.74				16.02
Rice Seed Conv.	lb											90.0000	0.39	35.10	35.10
Ditcher		MFWD 150	0.020	1.00	Apr	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Rice Gates	each			1.00	Apr							1.0000	3.65	3.65	3.65
LARice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Apr	0.81	1.00	0.13	0.22	0.02	0.36				2.52
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	1.94	2.40	0.13	0.17	0.05	0.87				5.51
Command 3ME	pt											0.8000	17.50	14.00	14.00
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Permit 75DF	oz											1.0000	19.50	19.50	19.50
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	May							2.0000	9.00	18.00	18.00
LA Nitrogen	lb											90.0000	0.59	53.10	53.10
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	Jun							1.3000	9.00	11.70	11.70
LA Nitrogen	lb											60.0000	0.59	35.40	35.40
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Quadris	oz											10.0000	6.25	62.50	62.50
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jul							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
LA Rice Combine	25 ft		0.300	1.00	Aug	23.57	26.46			0.33	5.93				55.96
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.37	0.46	0.11	0.24	0.01	0.17				1.35
LARice Haul	cwt			1.00	Aug							71.0000	0.30	21.30	21.30
LARice Dry	cwt			1.00	Aug							78.0000	0.90	70.20	70.20
Digital Ag Fee	acre			1.00	Aug							1.0000	10.00	10.00	10.00
Irrigation System 5	acre				Mar			102.03	17.40	0.43	6.32	1.0000			125.75
TOTALS						57.33	73.04	110.22	39.69	1.68	25.61			409.68	715.57
INTEREST ON OPERATING CAPITAL															16.49
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															732.06

Table 7.C1 Estimated Net Returns above Direct Costs for an Owner Operator Rice, Conventional Variety, Drill Planted, Conventional Tillage, Northeast Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	59.2	96	135	174	213	253	292	331	370	409
85%	62.9	140	182	224	265	307	349	391	432	474
90%	66.6	184	228	273	317	362	406	451	495	540
95%	70.3	227	275	322	369	416	463	511	558	605
100%	74.0	271	321	371	421	471	521	571	621	671
105%	77.7	315	367	420	473	525	578	631	683	736
110%	81.4	358	414	469	525	580	635	691	746	802
115%	85.1	402	460	518	576	635	693	751	809	867
120%	88.8	446	507	567	628	689	750	811	872	932

Net returns above direct costs for an owner operator is calculated here as market revenue less direct production costs. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses.

Table 7.C2 Estimated Net Returns above Total Specified Costs for an Owner Operator Rice, Conventional Variety, Drill Planted, Conventional Tillage, Northeast Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	59.2	-16	23	62	101	140	179	218	257	296
85%	62.9	27	69	111	153	194	236	278	320	361
90%	66.6	71	115	160	204	249	293	338	382	427
95%	70.3	115	162	209	256	303	351	398	445	492
100%	74.0	158	208	258	308	358	408	458	508	558
105%	77.7	202	255	307	360	413	465	518	571	623
110%	81.4	246	301	356	412	467	523	578	633	689
115%	85.1	289	347	406	464	522	580	638	696	754
120%	88.8	333	394	455	516	576	637	698	759	820

Net returns above total specified costs for an owner operator is calculated here as market revenue less total specified costs. Specified costs include charges for direct costs and fixed machinery costs but excludes charges for land, general farm overhead and management expenses.

Table 7.D1 Estimated Net Returns above Direct Costs for a Tenant Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	59.2	9	36	64	91	118	146	173	200	228
85%	62.9	40	69	98	127	156	186	215	244	273
90%	66.6	70	101	132	164	195	226	257	288	319
95%	70.3	101	134	167	200	233	266	299	332	365
100%	74.0	131	166	201	236	271	306	341	376	411
105%	77.7	162	199	236	272	309	346	383	420	457
110%	81.4	192	231	270	309	347	386	425	464	503
115%	85.1	223	264	304	345	386	426	467	508	548
120%	88.8	254	296	339	381	424	466	509	552	594

Net returns above direct costs for a tenant operator is calculated here as the grower’s share of market revenue less direct production costs paid by the grower. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 7.D2 Estimated Net Returns above Total Specified Costs for a Tenant Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	59.2	-86	-59	-32	-4	23	50	78	105	132
85%	62.9	-56	-27	3	32	61	90	120	149	178
90%	66.6	-25	6	37	68	99	130	162	193	224
95%	70.3	5	38	71	104	138	171	204	237	270
100%	74.0	36	71	106	141	176	211	246	281	316
105%	77.7	66	103	140	177	214	251	288	325	361
110%	81.4	97	136	175	213	252	291	330	368	407
115%	85.1	128	168	209	250	290	331	372	412	453
120%	88.8	158	201	243	286	329	371	414	456	499

Net returns above total specified costs for a tenant operator is calculated here as the grower’s share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 8.A Estimated costs per acre,
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Northest Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
LARice GPS Charge_NE	acre	0.25	8.0000	2.00	________
App by Air (5 gal)	appl	8.11	5.0000	40.55	________
GIN/DRY					
LARice Dry	cwt	0.90	82.1000	73.89	________
FERTILIZERS					
LA Nitrogen	lb	0.59	170.0000	100.30	________
FUNGICIDES					
Quadris	oz	6.25	10.0000	62.50	________
HERBICIDES					
Newpath 2SL	oz	4.28	8.0000	34.24	________
Aim 2EC	oz	8.13	1.6000	13.01	________
INSECTICIDES					
Karate Z	oz	1.41	4.0000	5.64	________
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	________
SEED/PLANTS					
Rice Clearfield 161	lb	1.30	75.0000	97.50	________
SERVICE FEE					
App Fert by Air	cwt	9.00	3.7000	33.30	________
Digital Ag Fee	acre	10.00	1.0000	10.00	________
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	74.0000	22.20	________
HAND LABOR					
Implements	hour	14.53	0.0942	1.37	________
LA OPERATOR LABOR					
Self-Propelled	hour	17.94	0.3303	5.93	________
LA Hired Labor					
Tractors	hour	14.53	0.7537	10.96	________
LA Irrigation Labor					
Irrigation System 5	hour	14.53	0.4361	6.32	________
DIESEL FUEL					
Tractors	gal	3.50	6.7604	23.67	________
Self-Propelled	gal	3.50	2.5825	9.04	________
Irrigation System 5	gal	3.50	28.5331	99.86	________
REPAIR & MAINTENANCE					
Implements	acre	7.93	1.0000	7.93	________
Tractors	acre	5.11	1.0000	5.11	________
Self-Propelled	acre	14.53	1.0000	14.53	________
Irrigation System 5	acre	2.17	1.0000	2.17	________
INTEREST ON OP. CAP.	acre	19.05	1.0000	19.05	________

TOTAL DIRECT EXPENSES				704.72	________
FIXED EXPENSES					
Implements	acre	21.83	1.0000	21.83	________
Tractors	acre	39.04	1.0000	39.04	________
Self-Propelled	acre	26.46	1.0000	26.46	________
Irrigation System 5	acre	17.40	1.0000	17.40	________

TOTAL FIXED EXPENSES				104.73	________

TOTAL SPECIFIED EXPENSES				809.45	________

Table 8.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Drill Plant, Conventional Tillage, (In Rotation), Northeast Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Disk Harrow	28'	MFWD 190	0.070	1.00	Nov	2.94	4.17	1.46	3.85	0.07	1.02				13.44
Ditcher		MFWD 150	0.020	1.00	Nov	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Disk Harrow	28'	MFWD 190	0.070	2.00	Mar	5.88	8.34	2.91	7.70	0.14	2.04				26.87
Irrigation System 5					Mar										
Ditcher		MFWD 150	0.020	1.00	Mar	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Field Cultivate	32'	MFWD 190	0.046	1.00	Mar	1.96	2.77	0.72	3.79	0.04	0.68				9.92
LARice Levee Plow	8 ft	MFWD 190	0.050	4.00	Mar	8.39	11.89	0.31	0.89	0.20	2.91				24.39
App Fert by Air	cwt			1.00	Apr							0.4000	9.00	3.60	3.60
LA Nitrogen	lb											20.0000	0.59	11.80	11.80
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	3.05	3.77	1.89	4.57	0.18	2.74				16.02
Rice Clearfield 161	lb											75.0000	1.30	97.50	97.50
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	3.43	4.24	0.19	0.21	0.10	1.54				9.61
Ditcher		MFWD 150	0.020	1.00	Apr	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Rice Gates	each			1.00	Apr							1.0000	3.65	3.65	3.65
LARice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Apr	0.81	1.00	0.13	0.22	0.02	0.36				2.52
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Newpath 2SL	oz											4.0000	4.28	17.12	17.12
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Newpath 2SL	oz											4.0000	4.28	17.12	17.12
Aim 2EC	oz											1.6000	8.13	13.01	13.01
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	May							2.0000	9.00	18.00	18.00
LA Nitrogen	lb											90.0000	0.59	53.10	53.10
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	Jun							1.3000	9.00	11.70	11.70
LA Nitrogen	lb											60.0000	0.59	35.40	35.40
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Quadris	oz											10.0000	6.25	62.50	62.50
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jul							1.0000	8.11	8.11	8.11
Karate Z	oz											2.0000	1.41	2.82	2.82
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
LA Rice Combine	25 ft		0.300	1.00	Aug	23.57	26.46			0.33	5.93				55.96
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.37	0.46	0.11	0.24	0.01	0.17				1.35
LARice Haul	cwt			1.00	Aug							74.0000	0.30	22.20	22.20
LARice Dry	cwt			1.00	Aug							82.1000	0.90	73.89	73.89
Digital Ag Fee	acre			1.00	Aug							1.0000	10.00	10.00	10.00
Irrigation System 5	acre				Mar			102.03	17.40	0.43	6.32	1.0000			125.75
TOTALS						52.35	65.50	109.96	39.23	1.61	24.58			498.78	790.40
INTEREST ON OPERATING CAPITAL															19.05
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															809.45

Table 8.C1 Estimated Net Returns above Direct Costs for an Owner Operator Rice, Clearfield Variety, Drill Planted, Conventional Tillage, Northeast Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	59.2	12	51	90	129	168	207	245	284	323
85%	62.9	56	98	139	181	222	264	305	347	389
90%	66.6	100	144	188	233	277	321	365	410	454
95%	70.3	143	190	237	284	332	379	426	473	520
100%	74.0	187	237	287	336	386	436	486	535	585
105%	77.7	231	283	336	388	441	493	546	598	651
110%	81.4	274	330	385	440	495	550	606	661	716
115%	85.1	318	376	434	492	550	608	666	724	781
120%	88.8	362	422	483	544	604	665	726	786	847

Net returns above direct costs for an owner operator is calculated here as market revenue less direct production costs. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses.

Table 8.C2 Estimated Net Returns above Total Specified Costs for an Owner Operator Rice, Clearfield Variety, Drill Planted, Conventional Tillage, Northeast Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	59.2	-92	-53	-15	24	63	102	141	180	218
85%	62.9	-49	-7	35	76	118	159	201	242	284
90%	66.6	-5	39	84	128	172	216	261	305	349
95%	70.3	39	86	133	180	227	274	321	368	415
100%	74.0	82	132	182	232	281	331	381	431	480
105%	77.7	126	179	231	283	336	388	441	493	546
110%	81.4	170	225	280	335	390	446	501	556	611
115%	85.1	213	271	329	387	445	503	561	619	677
120%	88.8	257	318	378	439	500	560	621	682	742

Net returns above total specified costs for an owner operator is calculated here as market revenue less total specified costs. Specified costs include charges for direct costs and fixed machinery costs but excludes charges for land, general farm overhead and management expenses.

Table 8.D1 Estimated Net Returns above Direct Costs for a Tenant Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	59.2	-74	-47	-20	8	35	62	89	116	143
85%	62.9	-43	-14	15	44	73	102	131	160	189
90%	66.6	-13	18	49	80	111	142	173	204	235
95%	70.3	18	51	84	116	149	182	215	248	281
100%	74.0	48	83	118	153	188	222	257	292	327
105%	77.7	79	116	152	189	226	262	299	336	373
110%	81.4	109	148	187	225	264	303	341	380	418
115%	85.1	140	180	221	262	302	343	383	424	464
120%	88.8	171	213	255	298	340	383	425	468	510

Net returns above direct costs for a tenant operator is calculated here as the grower’s share of market revenue less direct production costs paid by the grower. Direct costs include charges for variable production costs for items such as seed, fertilizer, chemicals, fuel, labor, repair and custom application expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 8.D2 Estimated Net Returns above Total Specified Costs for a Tenant Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2024.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$11.80	$12.54	$13.28	$14.01	$14.75	$15.49	$16.23	$16.96	$17.70
		($/acre)								
80%	59.2	-161	-134	-107	-80	-53	-25	2	29	56
85%	62.9	-131	-102	-73	-43	-14	15	44	73	102
90%	66.6	-100	-69	-38	-7	24	55	86	117	148
95%	70.3	-70	-37	-4	29	62	95	128	161	194
100%	74.0	-39	-4	31	65	100	135	170	205	239
105%	77.7	-9	28	65	102	138	175	212	249	285
110%	81.4	22	61	99	138	177	215	254	293	331
115%	85.1	53	93	134	174	215	255	296	336	377
120%	88.8	83	126	168	211	253	295	338	380	423

Net returns above total specified costs for a tenant operator is calculated here as the grower’s share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Appendix Table 1. Rice Irrigation System 1 Costs, Water Planted, Southwest Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Underground Pipe 1	each								16.11	16.11
Gearhead 1	each								2.60	2.60
Engine 1	each								10.57	10.57
Application 1	Ac-in		18.39	0.60	0.50		1.34	20.83		20.83
Application 2	Ac-in		18.39	0.60	0.50		1.21	20.70		20.70
Application 3	Ac-in		22.99	0.75	0.63		1.34	25.71		25.71
Application 4	Ac-in		27.58	0.90	0.75		1.41	30.64		30.64
Application 5	Ac-in		27.58	0.90	0.75		1.21	30.44		30.44
Well 1	each								8.92	8.92
Pump 1	each								8.18	8.18
TOTALS		0.00	114.93	3.75	3.13	0.00	6.51	128.32	46.38	174.70

Note: Total irrigation application of 25 acre-inches.

Appendix Table 2. Rice Irrigation System 2 Costs, Drill Planted, Southwest Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Pump 2	each								8.18	8.18
Gearhead 2	each								2.60	2.60
Engine 2	each								10.57	10.57
Application 1	Ac-in		13.79	0.40	0.33		1.00	15.52		15.52
Application 2	Ac-in		13.79	0.40	0.33		1.00	15.52		15.52
Application 3	Ac-in		22.99	0.67	0.56		1.50	25.72		25.72
Application 4	Ac-in		22.99	0.67	0.56		1.33	25.55		25.55
Application 5	Ac-in		27.58	0.80	0.67		1.40	30.45		30.45
Application 6	Ac-in		22.99	0.67	0.56		1.00	25.22		25.22
Well 2	each								8.92	8.92
Underground Pipe 2	each								16.11	16.11
TOTALS		0.00	124.13	3.61	3.01	0.00	7.23	137.98	46.38	184.36

Note: Total irrigation application of 28 acre-inches.

Appendix Table 3. Rice Irrigation System 3 Costs, Ratoon Crop, Southwest Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Engine 1a	each									
Application 1	Ac-in		32.18		0.88		1.14	34.20		34.20
Application 2	Ac-in		13.79		0.38		0.39	14.56		14.56
TOTALS		0.00	45.97	0.00	1.26	0.00	1.53	48.76	0.00	48.76

Note: Total irrigation application of 10 acre-inches.

Appendix Table 4. Rice Irrigation System 5 Costs, Drill Planted, Northeast Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Engine 3	each								5.03	5.03
Application 1	Ac-in		9.66	0.21	0.61		0.65	11.13		11.13
Application 2	Ac-in		9.66	0.21	0.61		0.65	11.13		11.13
Application 3	Ac-in		16.11	0.35	1.02		0.96	18.44		18.44
Application 4	Ac-in		16.11	0.35	1.02		0.84	18.32		18.32
Application 5	Ac-in		32.21	0.70	2.04		1.44	36.39		36.39
Application 6	Ac-in		16.11	0.35	1.02		0.60	18.08		18.08
Pump 3	each								4.32	4.32
Underground Pipe 3	each								3.71	3.71
Well 3	each								2.98	2.98
Gearhead 3	each								1.36	1.36
TOTALS		0.00	99.86	2.17	6.32	0.00	5.14	113.49	17.40	130.89

Note: Total irrigation application of 31 acre-inches

Appendix Table 5. Operating Inputs: Estimated Prices for 2024.

ITEM NAME	UNIT	PRICE
		dollars
ADJUVANTS		
Surfactant	pt	3.30
CUSTOM FERT/LIME		
Lime (Spread)	ton	65.00
CUSTOM HARVEST/HAUL		
Haul Rice	bu	0.35
Haul Rice (cwt)	cwt	0.25
Haul Sorghum	bu	0.25
Haul Soybeans	bu	0.27
Haul Wheat	bu	0.26
LARice Haul	cwt	0.30
CUSTOM PLANT		
Custom Spread + Seed	appl	0.00
LARice Air Plant SW	cwt	5.60
Plant by Air	cwt	8.00
CUSTOM SPRAY		
App 2,4-D Helicopter	appl	0.00
App by Air (1 gal)	appl	2.50
App by Air (2 gal)	appl	9.00
App by Air (3 gal)	appl	6.87
App by Air (5 gal)	appl	8.11
App by Air (10 gal)	appl	10.57
App Furadan by Air	appl	0.00
App Ordram by Air	appl	0.00
Custom Terragator	acre	5.00
LARice GPS Charge-SW	acre	0.35
LARice GPS Charge_NE	acre	0.25
Spray Levees, 4whlr	acre	0.00
FERTILIZERS		
Amm Nitrate (34% N)	cwt	22.50
Amm Sulfate (21% N)	cwt	26.00
Anhy Ammonia (82% N)	cwt	28.00
Boron (Solubor)	lb	0.75
Crop Oil (Seed Oil)	pt	2.90
DAP	cwt	47.21
Fert 0-20-20	cwt	0.00
Fert 10-10-10	cwt	0.00
Fert 10-34-0	cwt	40.00
Fert 10-34-0	gal	4.66
Fert 13-13-13	cwt	0.00
Fert 41-0-0-4	cwt	38.00
Fert 5-20-20	cwt	0.00
Haul Corn	bu	0.23
Haul Cotton	lb	0.02
LA Nitrogen	lb	0.59
LA Phosphate	lb	0.75
LA Potash	lb	0.43
Phosphorus(46% P2O5)	cwt	39.25
Potash (60% K2O)	cwt	36.20
Sulfur	lb	0.34
UAN (32% N)	cwt	36.15
UAN + Sulfur (28% N)	cwt	31.10
Urea, Solid (46% N)	cwt	31.69
Zinc	lb	0.50
FUNGICIDES		
Apron Maxx RTA	oz	1.02
Apron XL	oz	6.98
Apron XL LS	oz	5.27
Benlate 50 WP	lb	15.95
Captan 4L	pt	4.50
Captan 50 WP	lb	6.13
Crop Oil (Petroleum)	pt	2.90
Cruiser 5FS	oz	0.90
Fungicide	lb	2.82
Gem 25 WG	oz	3.70
Manzate 75 DF	lb	4.86
Manzate Flowable	pt	4.60
Moncut 70 DF	lb	32.81
Quadris	oz	6.25
Ridomil GoldPC 10G	lb	2.08

Appendix Table 5. Operating inputs: estimated prices Louisiana, 2024.

ITEM NAME	UNIT	PRICE
		dollars
FUNGICIDES CONT'D		
Rovral 4F	pt	14.90
Rovral WG	lb	0.00
Shelter	oz	8.50
Stiletto	oz	0.58
Stratego	pt	22.50
Terrachlor Flowable	pt	4.74
Terraclor 2EC	pt	1.87
Terraclor Super X EC	pt	3.95
Terraclor Super X G	lb	2.82
Tilt 3.6 EC	oz	1.02
Vitavax 200	oz	0.47
Vitavax M Flowable	oz	1.06
Vitavax RTU-Thiram	oz	0.40
Vitavax T-L	oz	0.29
GIN/DRY		
Dry Corn	bu	0.19
Dry Grain Sorghum	cwt	0.25
Dry Rice	bu	0.40
Dry Rice (cwt)	cwt	0.90
Gin	lb	0.11
LARice Dry	cwt	0.90
GROWTH REGULATORS		
Early Harvest PGR	oz	1.55
LA Polado	oz	0.45
Mepex	oz	0.09
PGR IV	oz	1.55
Pix Plus	oz	1.36
Pix Ultra	oz	0.21
HARVEST AIDS		
Accelerate	pt	2.59
Ammonium Sulfate	lb	0.24
Boll'd	pt	3.84
CottonQuik	pt	6.06
Def 6	pt	7.50
Def/Folex	pt	11.25
Dropp 50 WP	lb	45.45
Dropp SC	oz	1.56
Ethephon 6E	pt	3.56
Finish 6	pt	11.74
Folex 6EC	pt	11.25
Ginstar EC	pt	29.72
Gramoxone Extra	pt	5.28
Gramoxone Inteon	oz	0.19
Gramoxone Max	pt	5.28
Leafless	pt	18.56
Prep	pt	3.84
Sodium Chlorate 3L	gal	3.50
Solium Chlorate 6L	gal	8.61
HERBICIDES		
2,4-D Amine 4	pt	2.88
2,4-D Ester	pt	5.03
AAtrex 4L	pt	3.00
Accent Gold	oz	6.12
Accent SP	oz	23.39
Aim 2EC	oz	8.13
Aim DF	oz	8.13
Arrosolo	qt	7.88
Assure II	oz	0.74
Atrazine 4L	pt	2.75
Atrazine 90DF	lb	5.09
Authority 75DF	lb	37.75
Axiom 68DF	lb	25.74
Backdraft	pt	2.40
Banvel	pt	10.94
Basagran	pt	5.43
Basis Gold	lb	9.00
Beacon 75% WSP	oz	34.87
Beyond	oz	4.48
Bicep II Magnum	qt	11.80

Appendix Table 5. Operating inputs: estimated prices Louisiana, 2024.

ITEM NAME	UNIT	PRICE
		dollars
HERBICIDES CONT'D		
Bicep II zmsgnum	qt	11.18
Blazer Ultra	pt	9.79
Boa	pt	3.63
Bolero 8EC	pt	7.73
Boundary	pt	12.00
Buctril 4EC	pt	4.28
Butoxone 175(2,4-DB)	pt	3.24
Butoxone 200(2,4-DB)	pt	3.92
Butyrac 175 (2,4-DB)	pt	3.29
Butyrac 200 (2,4-DB)	pt	3.52
Canopy 75%	oz	3.25
Canopy XL	oz	3.25
Caparol 4L	pt	4.97
Caparol Accu-Pak	lb	0.00
Celebrity Plus	lb	84.50
Clarity	pt	14.29
Classic	oz	16.67
Clincher EC	oz	2.54
Cobra 2EC	oz	1.50
Command 3ME	pt	17.50
Command XTRA	pt	0.00
Cornerstone	pt	2.50
Cotoran 4L	pt	5.24
Cotoran DF	lb	7.92
Cotton Pro Flowable	pt	3.75
Crossbow	pt	8.05
Cy-Pro 4L	qt	0.00
Cypro 90DF	lb	0.00
Delta Goal	pt	9.44
Denim 0.16 EC	pt	24.06
Detail	pt	7.99
Direx 4L	pt	5.46
Direx 80 DF	lb	6.20
Diuron 4L	pt	4.25
Diuron 80 DF	lb	5.50
DSMA 4	pt	0.90
Dual 8E	pt	0.00
Dual II Magnum	pt	13.25
Dual Magnum	pt	10.75
Duet	pt	6.09
Evik DF 80W	lb	11.22
Exceed	oz	10.71
Exceed Custom Pak	oz	11.50
Expert	pt	4.39
Facet 75DF	lb	50.00
First Rate	oz	37.99
Flexstar HL	pt	9.75
FloMet 4L	pt	4.74
Freedom	qt	2.51
Front Row	oz	21.92
Frontier 6.0	oz	0.63
Fultime	pt	6.29
Fusilade DX	oz	1.33
Fusion	pt	29.86
Glyfos	pt	1.80
Glyphomax	pt	3.49
Glyphosate Plus 4L	pt	4.03
Glystar Plus	pt	2.17
Goal 2XL	pt	10.75
Gramoxone Extra	pt	0.00
Gramoxone Max	pt	5.28
Gramoxone Max	pt	5.28
Grandstand R	qt	18.68
Guardsman	pt	4.66
Guardsman Max	pt	7.22
Harmony Extra	oz	11.00

Appendix Table 5. Operating Inputs: Estimated Prices for 2024.

ITEM NAME	UNIT	PRICE
		dollars
HERBICIDES CONT'D		
Hoelon 3EC	pt	11.03
Karmex DF	lb	5.93
LA Asulox/Asulam	gal	46.00
LA Weedmaster	qt	8.50
Lariat	qt	7.58
Lasso 4EC	qt	6.60
Layby Pro	qt	3.87
Londax 60DF	oz	18.08
Lorox 50DF	lb	24.12
Matador	pt	0.00
MSMA 6.6	pt	6.18
MSMA6 + Surfactant	pt	6.18
Newpath 2SL	oz	4.28
Ordram 15-G	lb	1.34
Ordram 8-E	pt	9.42
Outlook	pt	14.77
Pendimax 3.3	pt	2.47
Permit 75DF	oz	19.50
Poast 1.53	pt	12.77
Poast Plus	pt	9.69
Propanil 4E	qt	5.15
Prowl 3.3 EC	pt	5.56
Pursuit DG	oz	11.59
Pursuit Plus EC	pt	7.10
Python WDG	oz	15.10
Raptor	oz	4.38
Reflex 2LC	pt	7.34
Regiment 80WP	oz	4.38
Remedy	pt	8.45
Resource .86EC	pt	26.88
Ricestar	pt	26.01
Roundup Original	pt	6.00
Roundup Original Max	oz	0.38
Roundup Power Max	pt	7.50
Roundup Ultra MAX	pt	5.97
Roundup Ultra Dry	lb	6.14
Roundup WeatherMax	oz	0.19
Scepter 70 DG	oz	4.64
Select 2EC	oz	0.94
Sencor 4F	pt	14.74
Sencor DF	lb	23.95
Squadron CE	pt	12.50
Stam 4E	qt	8.00
Stam 80 EDF	lb	9.45
Staple 85%	oz	3.95
Staple Plus	oz	8.55
Steadfast	oz	12.26
Touchdown	qt	10.21
Touchdown 4 IQ	pt	3.33
Touchdown Total	qt	10.21
Treflan HFP	pt	4.36
Treflan TR-10	lb	1.10
Tri-Scept	pt	5.24
Trifluralin 4EC	pt	4.36
Trilin 10G	lb	0.79
Trilin 4EC	pt	2.12
Typhoon	qt	13.06
Valor WP	oz	3.20
Whip 360	pt	25.08
Zorial Rapid 80DF	lb	14.10

Appendix Table 5. Operating Inputs: Estimated Prices for 2024.

ITEM NAME	UNIT	PRICE
		dollars
INSECTICIDES		
Acephate 90SP	lb	8.25
Admire 2 Flowable	oz	2.56
Ammo 2.5 EC	oz	0.85
App Fert by Air(Min)	appl	7.50
Asana .66 XL	oz	0.62
Aztec 2.1% G	lb	3.88
Baythroid 2	oz	2.58
Belt	oz	6.41
Besiege	oz	2.75
Bidrin 8L	oz	1.51
Brigade EC	pt	20.27
Brigade WSB	lb	26.04
Capture 2EC	oz	1.37
Centric 40WG	oz	5.95
Comite	pt	8.45
Condor XL	pt	0.00
Confirm 2F	oz	1.88
Counter 15G	lb	4.51
Counter CR	lb	2.65
Curacron 8E	pt	10.75
Decis 1.5EC	oz	2.84
Declare	pt	4.08
Denim 0.16EC	pt	32.63
Di-Syston 15G	lb	3.48
Di-Syston 8	pt	14.32
Diamond .83EC	pt	20.16
Dimethoate 4E	pt	13.50
Dimilin 2L	oz	1.63
Dipel DF	lb	13.13
Dipel ES	pt	4.89
Force 3G	lb	7.28
Furadan 3G	lb	0.00
Furadan 4F	pt	9.81
Fury 1.5 EC	oz	1.30
Gaucho 480	oz	5.80
Intrepid 2F	oz	1.99
Intruder 70WP	oz	1.80
Karate Z	oz	1.41
Lannate LV	pt	8.33
Lannate SP	oz	2.42
Larvin 3.2	oz	0.63
Leverage 2.7	oz	2.17
Lorsban 15G	lb	2.35
Lorsban 4E	pt	6.10
Malathion 57EC	pt	6.43
Malathion 8E	pt	9.84
Malathion ULV	pt	4.93
Mepichlor 4.2% Liq	pt	5.91
Methyl Parathion	pt	5.79
Monitor 4	pt	16.50
Monitor 4	pt	16.50
Mustang Max	oz	1.18
Orthene 90S	lb	7.00
Orthene 97	lb	29.33
Ovasyn	pt	0.00
Penncap M	pt	6.71
Phaser 3E	qt	8.13
Pounce 25WP	lb	19.96
Pounce 3.2 EC	oz	0.34
Prevathon	oz	1.05
Provado 1.6F	oz	1.94
Scout X-TRA	oz	0.00
Sevin 80S	lb	7.40
Sevin XLR Plus	qt	17.53
Sivanto	oz	2.50
Spintor 2SC	oz	4.93

Appendix Table 5. Operating Inputs: Estimated Prices for 2024.

ITEM NAME	UNIT	PRICE
		dollars
INSECTICIDES CONT'D		
Temik 15G Grit	lb	4.00
Thimet 20-G	lb	3.65
Thionex 3EC	pt	4.17
Thionex 50W	lb	10.45
Tracer	oz	9.73
Transform	oz	7.81
Trimax	oz	1.85
Vydate C-LV	oz	0.93
Warrior Z	oz	1.80
Warrior ZT	oz	3.02
IRRIGATION SUPPLIES		
Rice Gates	each	3.65
Roll-Out Pipe	ft	0.24
OVERHEAD		
Farmstead & Drainage	Dol	1.00
LARice Insurance	Dollar	1.00
LARice Misc. Overhd	dollar	1.00
LARice Property Tax	dollar	1.00
Shops Bldg & Equip.	Dol	6.55
SERVICE FEE		
Utilities	Dol	1.00
SEED/PLANTS		
Corn Seed Bt	thous	3.61
Corn Seed BtRR	thous	3.61
Corn Seed Conv.	thous	3.80
Corn Seed RR	thous	4.26
Corn Seed VT3	thous	3.91
Corn Seed VT3Pro	thous	3.91
Cotton Seed BG/RR	thous	0.62
Cotton Seed BGII/RRF	thous	2.70
Cotton Seed Bt	thous	2.60
Cotton Seed BtRR	thous	3.15
Cotton Seed Bxn	thous	0.00
Cotton Seed Conv.	thous	0.00
Cotton Seed Liberty	thous	1.05
Cotton Seed Liberty	thous	1.05
Cotton Seed RR	thous	0.63
Cotton Seed RR	thous	0.63
Cotton Seed WS	thous	0.49
Cotton Seed WS/RR	thous	0.00
Cotton Seed WS/RRF	thous	0.59
Rice Clearfield 161	lb	1.30
Rice Clearfield XL8	lb	6.12
Rice Seed (Levees)	lb	0.90
Rice Seed CF(Levees)	lb	1.30
Rice Seed Conv.	lb	0.39
Rice Seed Hybrid	lb	5.66
SC Cultured seedcane	acre	665.00
Sorghum Concept	lb	2.84
Sorghum Hybrid Sudax	lb	1.20
Sorghum NonConcept	lb	1.18
Soybean Seed LL	lb	1.16
Soybean Seed Private	lb	0.38
Soybean Seed Public	lb	0.00
Soybean Seed RR	lb	1.12
Soybean Seed Stack	lb	1.28
Wheat Seed Private	lb	0.34
SERVICE FEE		
Cotton Checkoff	bale	2.56
Cotton Storage	bale	25.00
Crop Consultant	acre	9.00
Custom Apply	acre	8.00
Custom Combine Rice	acre	0.00
Custom Spread(Truc	appl	4.50
Digital Ag Fee	acre	10.00
Insect Scouting	acre	7.00
LARice Air Plant NE	cwt	5.50
Rice Consultant	acre	9.00

Appendix Table 5. Operating Inputs: Estimated Prices for 2024.

ITEM NAME	UNIT	PRICE
		dollars
SERVICE FEE CONT'D		
RRF Cotton Tech Fee	cap/ac	48.25
SC Treating Charge	acre	0.00
Soil Test	acre	10.00
Survey & Mark Levees	acre	4.50
Survey & Mark Levees	acre	4.50
TECHNOLOGY FEE		
BG Cot Tech Fee	thous	0.28
BG Cot Tech Fee	cap/ac	19.50
BG II Cot Tech Fee	thous	0.76
BG II Cot Tech Fee	cap/ac	31.91
BG II/RR Tech Fee	thous	1.49
BG II/RR Tech Fee	cap/ac	62.69
BGII/RRF Cot Tech Fe	thous	1.49
BGII/RRF Cot Tech Fe	cap/ac	62.69
Eradication Fee	acre	6.00
Eradication Zone 1	acre	6.00
Eradication Zone 1A	acre	6.00
Eradication Zone 1B	acre	6.00
Eradication Zone 2	acre	6.00
Eradication Zone 3	acre	6.00
Eradication Zone 4	acre	6.00
RR Cotton Tech Fee	thous	1.04
RR Cotton Tech Fee	cap/ac	43.66
RR Cotton Tech Fee	thous	1.04
RR Cotton Tech Fee	cap/ac	43.66
RRF Cotton Tech Fee	thous	1.04

Appendix Table 6. Tractors: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Louisiana 2024.

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	----------------$/hour----------------					
Combine (200-249 hp)	240hp	161,548	300	8	12.35	17.94	43.22	16.82	77.99	80.57	158.56
Combine (225-274 hp)	Track250hp	0	300	8	12.87	17.94	45.04	0.00	62.98	0.00	62.98
Combine (250-299 hp)	275hp	463,000	300	8	14.15	17.94	49.52	48.22	115.69	230.93	346.62
Combine (250-299hp)	Grass295hp	218,222	300	8	15.18	17.94	53.13	22.73	93.80	108.84	202.64
Combine (275-299 hp)	Track290hp	0	300	8	14.93	17.94	52.25	0.00	70.19	0.00	70.19
Combine (300-349 hp)	325hp	468,000	300	8	16.73	17.94	58.55	48.75	125.24	233.42	358.67
Combine (300-349hp)	Track320hp	0	300	8	16.47	17.94	57.64	0.00	75.58	0.00	75.58
Combine (350-379 hp)	370hp	500,000	300	8	19.04	17.94	66.64	52.08	136.66	249.38	386.04
Combine (350-379 hp)	Track365hp	0	300	8	18.79	17.94	65.76	0.00	83.70	0.00	83.70
Cotton Stripper	173hp	170,000	200	8	8.08	17.94	28.28	26.56	72.78	127.18	199.96
Tractor(40-59hp)Cab	2WD 50	39,900	600	8	2.57	14.53	9.00	1.24	24.78	9.33	34.12
Tractor(40-59hp)Cab	MFWD 50	50,300	600	8	2.57	14.53	9.00	1.57	25.10	11.77	36.87
Tractor(40-59hp)RB	2WD 50	28,100	600	8	2.57	14.53	9.00	0.87	24.41	6.57	30.99
Tractor(40-59hp)RB	MFWD 50	33,900	600	8	2.57	14.53	9.00	1.05	24.59	7.93	32.52
Tractor(60-89hp)CAB	2WD 75	64,000	600	8	3.86	14.53	13.51	2.00	30.04	14.97	45.01
Tractor(60-89hp)CAB	MFWD 75	74,900	600	8	3.86	14.53	13.51	2.34	30.38	17.52	47.90
Tractor(60-89hp)RB	2WD 75	59,800	600	8	3.86	14.53	13.51	1.86	29.91	13.99	43.90
Tractor(60-89hp)RB	MFWD 75	53,500	600	8	3.86	14.53	13.51	1.67	29.71	12.51	42.23
Tractor(90-119hp)CB	2WD 105	94,400	600	8	5.40	14.53	18.91	2.95	36.39	22.08	58.48
Tractor(90-119hp)CB	MFWD 105	103,500	600	8	5.40	14.53	18.91	3.23	36.68	24.21	60.89
Tractor(90-119hp)RB	2WD 105	84,000	600	8	5.40	14.53	18.91	2.62	36.07	19.65	55.72
Tractor(90-119hp)RB	MFWD 105	90,700	600	8	5.40	14.53	18.91	2.83	36.28	21.22	57.50
Tractor(120-139hp)CB	2WD 130	135,400	600	8	6.69	14.53	23.41	4.23	42.18	31.68	73.86
Tractor(120-139hp)CB	MFWD 130	170,900	600	8	6.69	14.53	23.41	5.34	43.29	39.99	83.28
Tractor(140-159hp)CB	2WD 150	137,500	600	8	7.72	14.53	27.02	4.29	45.85	32.17	78.02
Tractor(140-159hp)CB	MFWD 150	171,000	600	8	7.72	14.53	27.02	5.34	46.89	40.01	86.91
Tractor(160-179hp)CB	2WD 170	166,000	600	8	8.75	14.53	30.62	5.18	50.34	40.12	90.46
Tractor(160-179hp)CB	MFWD 170	201,000	600	8	8.75	14.53	30.62	6.28	51.43	48.58	100.01
Tractor(160-199hp)CB	Track 180	142,710	600	8	9.26	14.53	32.42	4.45	51.41	34.49	85.90
Tractor(180-199hp)CB	2WD 190	143,000	600	8	9.77	14.53	34.22	4.46	53.22	34.56	87.78
Tractor(180-199hp)CB	MFWD 190	246,000	600	8	9.77	14.53	34.22	7.68	56.44	59.45	115.90
Tractor(200-249hp)CB	4WD 225	147,066	600	8	11.58	14.53	40.53	4.59	59.66	35.54	95.20
Tractor(200-249hp)CB	MFWD 225	309,000	600	8	11.58	14.53	40.53	9.65	64.72	74.68	139.40
Tractor(200-249hp)CB	Track 225	277,000	600	8	11.58	14.53	40.53	8.65	63.72	66.94	130.66
Tractor(250-349hp)CB	4WD 300	432,000	600	8	15.44	14.53	54.04	13.50	82.07	104.41	186.48
Tractor(250-349hp)CB	Track 300	329,000	600	8	15.44	14.53	54.04	10.28	78.85	79.51	158.37
Tractor(350-449hp)CB	4WD 400	480,000	600	8	20.58	14.53	72.06	15.00	101.59	116.01	217.60
Tractor(350-449hp)CB	Track 400	625,000	600	8	20.58	14.53	72.06	19.53	106.12	151.05	257.17
Tractor(450-uphp)CB	TRACK-475	279,879	600	8	24.44	14.53	85.57	8.74	108.84	67.64	176.49

Appendix Table 7. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, Louisiana 2024.

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	----------------$/acre----------------					
ATV - 4 Wheeler	12'	0	100	8	1.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
ATV - 4 Wheeler	20'	9,360	100	8	1.00	0.200	3.58	0.64	0.46	4.69	2.71	7.41
Butt Levee (Backhoe)	70 HP	73,000	150	8	5.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Cotton Picker-1st-BB	2R38"157hp	144,912	200	8	8.08	0.519	16.87	14.69	11.76	43.33	56.33	99.67
Cotton Picker-1st-BB	4R2X1260hp	317,399	200	8	13.33	0.172	5.59	8.03	8.54	22.17	40.91	63.09
Cotton Picker-1st-BB	4R30"250hp	262,000	200	8	12.86	0.327	10.63	14.74	13.40	38.77	64.17	102.94
Cotton Picker-1st-BB	4R30"325hp	350,000	200	8	18.01	0.327	10.63	20.63	17.90	49.17	85.72	134.89
Cotton Picker-1st-BB	4R38"255hp	268,000	200	8	13.12	0.257	8.37	11.84	10.79	31.00	51.68	82.69
Cotton Picker-1st-BB	4R38"325hp	351,000	200	8	18.01	0.257	8.37	16.24	14.13	38.75	67.69	106.45
Cotton Picker-1st-BB	5R30"255hp	285,000	200	8	12.86	0.261	8.50	11.78	11.66	31.95	55.84	87.79
Cotton Picker-1st-BB	5R38"250hp	284,601	200	8	12.86	0.207	6.72	9.33	9.21	25.27	44.11	69.39
Cotton Picker-1st-BB	6R30"325hp	465,000	200	8	18.27	0.218	7.08	13.95	15.85	36.89	75.92	112.82
Cotton Picker-1st-BB	6R38"330hp	465,000	200	8	18.27	0.172	5.59	11.01	12.51	29.13	59.94	89.07
Cotton Picker-1st-Tr	2R38"157hp	144,912	200	8	8.08	0.519	16.87	14.69	11.76	43.33	56.33	99.67
Cotton Picker-1st-Tr	4R2X1255hp	322,137	200	8	18.01	0.172	5.59	10.86	8.67	25.13	41.52	66.66
Cotton Picker-1st-Tr	4R30"250hp	261,825	200	8	12.86	0.327	10.63	14.74	13.39	38.76	64.12	102.89
Cotton Picker-1st-Tr	4R30"325hp	311,088	200	8	16.72	0.327	10.63	19.16	15.91	45.71	76.19	121.90
Cotton Picker-1st-Tr	4R38"255hp	268,000	200	8	13.12	0.257	8.37	11.84	10.79	31.00	51.68	82.69
Cotton Picker-1st-Tr	4R38"325hp	351,000	200	8	18.01	0.257	8.37	16.24	14.13	38.75	67.69	106.45
Cotton Picker-1st-Tr	5R30"255hp	285,303	200	8	13.12	0.261	8.50	12.03	11.67	32.21	55.90	88.11
Cotton Picker-1st-Tr	5R38"250hp	290,471	200	8	12.86	0.207	6.72	9.33	9.40	25.46	45.02	70.49
Cotton Picker-1st-Tr	6R30"325hp	465,000	200	8	16.72	0.218	7.08	12.77	15.85	35.72	75.92	111.65
Cotton Picker-1st-Tr	6R38"330hp	465,000	200	8	18.01	0.172	5.59	10.86	12.51	28.97	59.94	88.92
Cotton Picker-2nd-BB	2R38"157hp	144,912	200	8	8.08	0.440	14.29	12.44	9.96	36.70	47.72	84.43
Cotton Picker-2nd-BB	4R2x1260hp	322,187	200	8	18.01	0.145	4.73	9.20	7.34	21.28	35.18	56.46
Cotton Picker-2nd-BB	4R30"250hp	261,825	200	8	12.86	0.277	9.00	12.48	11.34	32.83	54.32	87.15
Cotton Picker-2nd-BB	4R30"325hp	311,088	200	8	16.72	0.277	9.00	16.23	13.47	38.72	64.54	103.26
Cotton Picker-2nd-BB	4R38"255hp	268,000	200	8	13.12	0.218	7.08	10.03	9.14	26.26	43.78	70.04
Cotton Picker-2nd-BB	4R38"325hp	351,000	200	8	18.01	0.218	7.08	13.76	11.97	32.82	57.33	90.16
Cotton Picker-2nd-BB	5R30"255hp	285,303	200	8	13.12	0.221	7.20	10.19	9.88	27.28	47.35	74.63
Cotton Picker-2nd-BB	5R38"250hp	284,601	200	8	12.86	0.175	5.69	7.90	7.80	21.40	37.37	58.77
Cotton Picker-2nd-BB	6R30"325hp	465,000	200	8	18.01	0.184	6.00	11.65	13.43	31.08	64.31	95.40
Cotton Picker-2nd-Tr	6R38"330hp	465,000	200	8	18.01	0.145	4.73	9.19	10.60	24.54	50.77	75.31
Cotton Picker/Module	6R-30(500)	854,000	200	8	25.73	0.218	7.08	19.65	29.12	55.86	139.44	195.31
LA Pickup Truck	1/2 ton	28,000	800	5	2.50	1.000	14.53	8.02	3.15	25.70	8.29	33.99
LA Rice Combine	25 ft	181,500	300	10	8.60	0.300	5.92	9.03	14.53	29.49	26.46	55.96
LA Rice Combine-2	25 ft	181,500	300	10	8.60	0.300	5.92	9.03	14.53	29.49	26.46	55.96
LARice Combine Med	20 ft	165,000	300	10	7.10	0.210	4.14	5.22	9.24	18.61	16.83	35.44
Levee Sprayer	27'	30,768	350	8	2.57	0.038	0.96	0.34	0.06	1.37	0.50	1.87
Sprayer(300-450Gal)	60'	103,000	350	8	5.66	0.017	0.44	0.34	0.09	0.89	0.77	1.66
Sprayer(300-450Gal)	80'	103,000	350	8	5.66	0.013	0.33	0.26	0.07	0.66	0.58	1.25
Sprayer(600-750Gal)	60'	216,000	350	8	10.29	0.017	0.44	0.63	0.20	1.28	1.62	2.91
Sprayer(600-825Gal)	80'	268,000	350	8	10.29	0.013	0.33	0.47	0.18	0.99	1.51	2.51
Sprayer(600-825Gal)	90'	331,000	350	8	10.29	0.011	0.29	0.42	0.20	0.92	1.66	2.59
Sprayer(1000-1400Gal	90'	363,000	350	8	14.15	0.014	0.35	0.69	0.27	1.32	2.18	3.51
Sprayer(1200PlusGal)	120'	472,000	350	8	15.44	0.008	0.22	0.47	0.22	0.92	1.77	2.69

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2024.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Blade-Box	6'	2WD 130	2,070	200	20	0.020	0.29	0.46	0.01	0.08	0.86	0.02	0.63	1.51
Blade-Box	10'	2WD 50	3,890	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Box	14'	2WD 50	6,190	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	6'	2WD 50	1,270	200	20	1.176	17.09	10.59	0.70	1.03	29.43	0.76	7.73	37.93
Blade-Scraper	10'	2WD 50	3,870	200	20	1.176	17.09	10.59	2.16	1.03	30.88	2.33	7.73	40.95
Blade-Scraper	14'	2WD 50	10,790	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boll Buggy-1st Pick	2R38"157hp	MFWD 190	30,500	200	10	0.519	7.55	17.78	3.96	3.99	33.29	10.20	30.89	74.39
Boll Buggy-1st pick	4R2x1260hp	MFWD 190	30,500	200	10	0.172	2.50	5.89	1.31	1.32	11.04	3.38	10.24	24.67
Boll Buggy-1st pick	4R30"255hp	MFWD 190	30,500	200	10	0.327	4.75	11.20	2.49	2.51	20.97	6.43	19.46	46.87
Boll Buggy-1st pick	4R30"325hp	MFWD 190	30,500	200	10	0.327	4.75	11.20	2.49	2.51	20.97	6.43	19.46	46.87
Boll Buggy-1st pick	4R38"255hp	MFWD 190	30,500	200	10	0.257	3.74	8.82	1.96	1.98	16.51	5.06	15.32	36.90
Boll Buggy-1st pick	4R38"325hp	MFWD 190	30,500	200	10	0.257	3.74	8.82	1.96	1.98	16.51	5.06	15.32	36.90
Boll Buggy-1st pick	5R30"255hp	MFWD 190	30,500	200	10	0.261	3.80	8.96	1.99	2.01	16.78	5.14	15.57	37.49
Boll Buggy-1st pick	5R38"255hp	MFWD 190	30,500	200	10	0.207	3.01	7.09	1.57	1.59	13.27	4.07	12.31	29.66
Boll Buggy-1st pick	6R30"325hp	MFWD 190	30,500	200	10	0.218	3.17	7.47	1.66	1.67	13.98	4.28	12.97	31.24
Boll Buggy-1st pick	6R38"325hp	MFWD 190	30,500	200	10	0.172	2.50	5.89	1.31	1.32	11.04	3.38	10.24	24.67
Boll Buggy-2nd pick	2R38"157hp	MFWD 190	30,500	200	10	0.440	6.39	15.06	3.35	3.38	28.20	8.64	26.17	63.02
Boll Buggy-2nd pick	4R2x1260hp	MFWD 190	30,500	200	10	0.145	2.12	4.99	1.11	1.12	9.35	2.86	8.67	20.89
Boll Buggy-2nd pick	4R30"255hp	MFWD 190	30,500	200	10	0.277	4.02	9.49	2.11	2.13	17.76	5.44	16.48	39.70
Boll Buggy-2nd pick	4R30"325hp	MFWD 190	30,500	200	10	0.277	4.02	9.49	2.11	2.13	17.76	5.44	16.48	39.70
Boll Buggy-2nd pick	4R38 255hp	MFWD 190	30,500	200	10	0.218	3.17	7.47	1.66	1.67	13.99	4.28	12.98	31.26
Boll Buggy-2nd pick	4R38 325hp	MFWD 190	30,500	200	10	0.218	3.17	7.47	1.66	1.67	13.99	4.28	12.98	31.26
Boll Buggy-2nd pick	5R30"255hp	MFWD 190	30,500	200	10	0.221	3.22	7.59	1.69	1.70	14.21	4.35	13.19	31.76
Boll Buggy-2nd pick	5R38"255hp	MFWD 190	30,500	200	10	0.175	2.55	6.00	1.33	1.34	11.24	3.44	10.43	25.12
Boll Buggy-2nd pick	6R30"325hp	MFWD 190	30,500	200	10	0.184	2.68	6.32	1.40	1.42	11.84	3.63	10.99	26.46
Boll Buggy-2nd pick	6R38"325hp	MFWD 190	30,500	200	10	0.145	2.12	4.99	1.11	1.12	9.35	2.86	8.67	20.89
Boll Buggy-Stripper	13' Bcast	MFWD 150	30,500	200	10	0.251	3.65	6.80	1.92	1.34	13.73	4.94	10.07	28.75
Boll Buggy-Stripper	16' Bcast	MFWD 150	30,500	200	10	0.204	2.97	5.52	1.56	1.09	11.15	4.01	8.18	23.36
Boll Buggy-Stripper	19' Bcast	MFWD 150	30,500	200	10	0.172	2.50	4.65	1.31	0.92	9.39	3.38	6.89	19.67
Boll Buggy-Stripper	4R30"2X1Br	MFWD 150	30,500	200	10	0.218	3.17	5.89	1.66	1.16	11.89	4.28	8.73	24.91
Boll Buggy-Stripper	4R30"Brush	MFWD 150	30,500	200	10	0.327	4.75	8.84	2.49	1.74	17.84	6.43	13.09	37.38
Boll Buggy-Stripper	4R38"2X1Br	MFWD 150	30,500	200	10	0.172	2.50	4.65	1.31	0.92	9.39	3.38	6.89	19.67
Boll Buggy-Stripper	4R38"Brush	MFWD 150	30,500	200	10	0.257	3.74	6.96	1.96	1.37	14.05	5.06	10.31	29.43
Boll Buggy-Stripper	5R30"Brush	MFWD 150	30,500	200	10	0.261	3.80	7.07	1.99	1.39	14.27	5.14	10.47	29.90
Boll Buggy-Stripper	5R38"Brush	MFWD 150	30,500	200	10	0.207	3.01	5.59	1.57	1.10	11.29	4.07	8.29	23.65
Boll Buggy-Stripper	6R30"Brush	MFWD 150	30,500	200	10	0.218	3.17	5.89	1.66	1.16	11.89	4.28	8.73	24.91
Chisel Plow(Folding)	16'	2WD 130	22,500	150	12	0.115	1.67	2.70	0.93	0.48	5.81	2.09	3.66	11.56
Chisel Plow(Folding)	24'	MFWD 190	57,300	150	12	0.076	1.11	2.61	1.58	0.58	5.89	3.52	4.54	13.97
Chisel Plow(Folding)	32'	MFWD 225	72,800	150	12	0.057	0.83	2.34	1.51	0.55	5.25	3.38	4.31	12.95
Chisel Plow(Folding)	42'	MFWD 225	86,400	150	12	0.044	0.63	1.78	1.37	0.42	4.22	3.06	3.28	10.57
Chisel Plow(Rigid)	15'	2WD 130	20,300	150	12	0.123	1.79	2.88	0.90	0.52	6.10	2.01	3.90	12.02
Chisel Plow(Rigid)	24'	MFWD 190	16,000	150	12	0.077	1.11	2.63	0.44	0.59	4.79	0.99	4.57	10.36
Chisel-Harrow	21 shank	2WD 190	6,750	150	12	0.088	1.27	3.01	0.21	0.39	4.90	0.47	3.04	8.42
Chisel-Harrow	27 shank	MFWD 225	14,100	150	12	0.068	0.99	2.77	0.34	0.66	4.78	0.77	5.11	10.67
Colter-Chisel-Harrow	21 shank	2WD 190	19,200	150	12	0.088	1.27	3.01	0.61	0.39	5.29	1.36	3.04	9.70
Colter-Chisel-Harrow	27 shank	MFWD 225	24,000	150	12	0.068	0.99	2.77	0.59	0.66	5.02	1.32	5.11	11.46
Corn Grain Cart 8R30	500 bu	MFWD 190	35,100	200	12	0.031	0.46	1.09	0.30	0.24	2.10	0.67	1.89	4.68
Corn Grain Cart 8R40	700bu	MFWD 190	51,600	200	12	0.025	0.36	0.85	0.34	0.19	1.76	0.77	1.48	4.02
Cult & Post	4R-38	2WD 105	27,300	150	10	0.173	3.77	3.27	1.26	0.45	8.76	4.16	3.40	16.34
Cult & Post	6R-30	MFWD 150	33,900	150	10	0.146	6.39	3.96	1.32	0.78	12.46	4.38	5.86	22.71
Cult & Post	6R-38	MFWD 150	33,800	150	10	0.115	2.52	3.12	1.04	0.61	7.31	3.44	4.63	15.39
Cult & Post	8R-30	MFWD 190	44,200	150	10	0.110	2.39	3.76	1.29	0.84	8.30	4.28	6.54	19.12
Cult & Post	8R-38	MFWD 190	44,100	150	10	0.086	1.89	2.97	1.02	0.66	6.56	3.37	5.17	15.11
Cult & Post	8R-38 2x1	MFWD 190	64,900	150	10	0.057	1.26	1.98	1.00	0.44	4.69	3.31	3.44	11.44
Cult & Post	10R-30	MFWD 225	32,000	150	10	0.088	1.91	3.56	0.75	0.84	7.08	2.48	6.57	16.13
Cult & Post	10R-38	MFWD 225	0	150	10	0.065	1.41	2.63	0.00	0.62	4.68	0.00	4.85	9.54
Cult & Post	12R-30	MFWD 225	67,800	150	10	0.073	1.59	2.97	1.32	0.70	6.60	4.38	5.47	16.46
Cult & Post	12R-38	MFWD 225	64,900	150	10	0.057	1.26	2.34	1.00	0.55	5.16	3.31	4.32	12.80
Cultipacker	12'	2WD 130	6,720	300	12	0.124	1.80	2.91	0.19	0.52	5.44	0.34	3.94	9.73
Cultipacker	20'	MFWD 150	10,900	300	12	0.074	1.08	2.01	0.19	0.39	3.69	0.33	2.98	7.01
Cultivate	4R-38	2WD 105	21,500	150	10	0.162	2.35	3.07	0.93	0.42	6.78	3.07	3.19	13.05
Cultivate	6R-30	MFWD 150	28,100	150	10	0.137	1.99	3.71	1.03	0.73	7.47	3.40	5.50	16.38
Cultivate	6R-38	MFWD 150	28,000	150	10	0.108	1.57	2.93	0.81	0.58	5.90	2.67	4.34	12.92
Cultivate	8R-30	MFWD 190	38,400	150	10	0.103	1.49	3.53	1.05	0.79	6.87	3.48	6.13	16.49
Cultivate	8R-38	MFWD 190	39,800	150	10	0.081	1.18	2.79	0.86	0.62	5.46	2.85	4.84	13.17
Cultivate	8R-38 2x1	MFWD 190	59,000	150	10	0.054	0.78	1.85	0.85	0.41	3.91	2.82	3.22	9.96
Cultivate	10R-30	MFWD 225	28,200	150	10	0.082	1.19	3.34	0.62	0.79	5.95	2.05	6.16	14.17
Cultivate	10R-38	MFWD 225	0	150	10	0.065	0.94	2.63	0.00	0.62	4.21	0.00	4.85	9.06
Cultivate	12R-30	MFWD 225	62,000	150	10	0.068	0.99	2.78	1.13	0.66	5.58	3.75	5.13	14.47
Cultivate	12R-38	MFWD 225	59,100	150	10	0.054	0.78	2.20	0.85	0.52	4.36	2.82	4.05	11.24
Disk & Incorporate	14'	2WD 130	45,300	200	10	0.149	3.26	3.50	2.03	0.63	9.43	4.48	4.74	18.65
Disk & Incorporate	24'	MFWD 190	77,700	200	10	0.087	1.90	2.98	2.03	0.67	7.59	4.48	5.19	17.27
Disk & Incorporate	32'	4WD 225	95,100	200	10	0.068	1.49	2.78	1.96	0.31	6.56	4.32	2.44	13.32
Disk & Incorporate	42'	MFWD 225	30,542	200	10	0.049	1.07	1.99	0.44	0.47	3.98	0.99	3.66	8.64
Disk Bed (Hipper)	4R-38	MFWD 150	15,700	160	10	0.147	2.14	3.98	0.57	0.78	7.50	1.91	5.90	15.32
Disk Bed (Hipper)	6R-30	MFWD 170	23,900	160	10	0.125	1.81	3.82	0.74	0.78	7.17	2.46	6.07	15.71
Disk Bed (Hipper)	6R-38	MFWD 170	23,900	160	10	0.098	1.43	3.02	0.58	0.61	5.66	1.94	4.79	12.40
Disk Bed (Hipper)	8R-30	MFWD 190	33,100	160	10	0.093	1.36	3.20	0.77	0.72	6.06	2.56	5.57	14.20
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	114,000	160	10	0.049	0.71	1.68	1.40	0.37	4.19	4.64	2.93	11.77
Disk Bed (Hipper)	10R-30	MFWD 225	19,900	160	10	0.075	1.08	3.04	0.37	0.72	5.22	1.23	5.60	12.06
Disk Bed (Hipper)	10R-38	MFWD 225	23,100	160	10	0.059	0.85	2.39	0.34	0.57	4.16	1.12	4.41	9.71
Disk Bed (Hipper)	12R-30	MFWD 225	87,500	160	10	0.062	0.90	2.53	1.36	0.60	5.41	4.51	4.66	14.59

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2024.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	---------------------$/acre							--------------------
Disk Bed (Hipper)	12R-38	MFWD 225	114,000	160	10	0.049	0.71	1.99	1.40	0.47	4.59	4.64	3.68	12.93
Disk Bed (Hipper)Fld	8R-38	MFWD 190	45,800	160	10	0.074	1.07	2.53	0.84	0.56	5.03	2.80	4.40	12.24
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	36,100	160	10	0.074	1.07	2.53	0.66	0.56	4.85	2.21	4.40	11.46
Disk Bed w/roller	8R-30	2WD 190	40,100	160	10	0.093	1.36	3.20	0.93	0.41	5.92	3.10	3.24	12.27
Disk Bed w/roller	12R-30	MFWD 225	76,000	160	10	0.062	0.90	2.53	1.18	0.60	5.23	3.92	4.66	13.82
Disk Harrow	14'	2WD 130	39,400	180	10	0.140	2.03	3.28	1.53	0.59	7.45	4.05	4.44	15.95
Disk Harrow	24'	MFWD 190	71,900	180	10	0.081	1.18	2.80	1.63	0.62	6.25	4.32	4.86	15.44
Disk Harrow	28'	MFWD 225	74,700	180	10	0.070	1.01	2.84	1.45	0.67	5.99	3.84	5.23	15.08
Disk Harrow	32'		89,300	180	10	0.061	1.10	0.00	1.52	0.00	0.00	4.02	0.00	0.00
Disk Harrow	42'	MFWD 225	145,000	180	10	0.046	0.67	1.89	1.88	0.45	4.91	4.98	3.49	13.38
Ditcher		2WD 130	8,760	200	10	0.020	0.29	0.46	0.07	0.08	0.91	0.11	0.63	1.66
Ditcher (1m/160a)		2WD 130	8,760	200	10	0.009	0.13	0.21	0.03	0.03	0.42	0.05	0.29	0.77
Fert Appl (Liquid)	4R-38	MFWD 150	25,400	150	8	0.154	3.37	4.17	2.61	0.82	10.99	3.67	6.18	20.86
Fert Appl (Liquid)	6R-30	MFWD 170	25,300	150	8	0.130	2.85	4.01	2.20	0.82	9.89	3.10	6.36	19.35
Fert Appl (Liquid)	6R-38	MFWD 170	25,300	150	8	0.103	2.25	3.16	1.74	0.64	7.81	2.44	5.02	15.28
Fert Appl (Liquid)	8R-30	MFWD 190	26,300	150	8	0.098	2.14	3.36	1.72	0.75	7.97	2.41	5.83	16.23
Fert Appl (Liquid)	8R-38	MFWD 190	29,500	150	8	0.077	1.69	2.65	1.52	0.59	6.47	2.14	4.61	13.23
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	32,900	150	8	0.051	1.12	1.76	1.13	0.39	4.42	1.59	3.07	9.09
Fert Appl (Liquid)	10R-30	MFWD 225	18,600	150	8	0.078	1.71	3.18	0.97	0.75	6.63	1.36	5.86	13.86
Fert Appl (Liquid)	10R-38	MFWD 225	20,300	150	8	0.061	1.35	2.51	0.83	0.59	5.29	1.17	4.62	11.10
Fert Appl (Liquid)	12R-30	MFWD 225	30,600	150	8	0.078	1.71	3.18	1.60	0.75	7.25	2.25	5.86	15.37
Fert Appl (Liquid)	12R-38	MFWD 225	31,100	150	8	0.051	1.12	2.09	1.07	0.49	4.79	1.50	3.86	10.15
Field Cultivate	12'	2WD 150	23,000	100	10	0.124	1.80	3.36	0.71	0.53	6.42	3.78	4.00	14.20
Field Cultivate	24'	MFWD 170	38,600	100	10	0.062	0.90	1.90	0.60	0.39	3.80	3.17	3.02	9.99
Field Cultivate	32'	MFWD 190	61,400	100	10	0.046	0.67	1.59	0.71	0.35	3.35	3.78	2.77	9.91
Field Cultivate	42'	MFWD 225	80,900	100	10	0.035	0.51	1.44	0.71	0.34	3.01	3.80	2.65	9.47
Field Cultivate	50'	MFWD 225	82,900	100	10	0.029	0.43	1.21	0.61	0.28	2.55	3.27	2.23	8.05
Gate Installer		2WD 130	2,960	10	10	0.020	0.58	0.46	0.17	0.08	1.31	0.76	0.63	2.70
Grain Drill	12'	2WD 130	51,400	150	8	0.157	4.56	3.68	3.02	0.66	11.94	7.31	4.97	24.23
Grain Drill	15'	MFWD 150	46,800	150	8	0.125	3.65	3.39	2.20	0.67	9.92	5.32	5.03	20.28
Grain Drill	20'	MFWD 170	53,500	150	8	0.094	2.74	2.88	1.89	0.59	8.11	4.56	4.58	17.25
Grain Drill	24'	MFWD 190	80,300	150	8	0.078	2.28	2.68	2.36	0.60	7.94	5.71	4.67	18.32
Grain Drill	30'	MFWD 225	96,600	150	8	0.062	1.82	2.54	2.27	0.60	7.25	5.49	4.69	17.45
Grain Drill & Pre	12'	2WD 130	57,200	150	8	0.169	4.91	3.96	3.62	0.71	13.22	8.76	5.36	27.35
Grain Drill & Pre	15'	MFWD 150	52,600	150	8	0.135	3.93	3.65	2.67	0.72	10.98	6.44	5.41	22.85
Grain Drill & Pre	20'	MFWD 170	59,300	150	8	0.101	2.95	3.10	2.25	0.63	8.95	5.45	4.93	19.33
Grain Drill & Pre	24'	MFWD 190	86,100	150	8	0.084	2.45	2.89	2.73	0.65	8.73	6.59	5.03	20.36
Grain Drill & Pre	30'	MFWD 225	102,000	150	8	0.067	1.96	2.74	2.58	0.65	7.95	6.25	5.05	19.25
Harrow	13'	2WD 130	4,360	200	10	0.119	1.73	2.79	0.18	0.50	5.22	0.34	3.78	9.35
Harrow	21'	2WD 150	6,750	200	10	0.073	1.07	1.99	0.17	0.31	3.56	0.32	2.37	6.27
Harrow	40'	MFWD 190	21,300	200	10	0.038	0.56	1.32	0.28	0.29	2.48	0.54	2.30	5.33
Harrow	47'	MFWD 190	26,000	200	10	0.033	0.48	1.13	0.30	0.25	2.16	0.56	1.96	4.69
Header - Corn	4R-38	240hp	25,147	300	8	0.201	3.60	8.69	1.26	3.38	16.95	2.36	16.20	35.52
Header - Corn	6R30"	240hp	72,300	300	8	0.170	3.05	7.36	3.07	2.86	16.35	5.76	13.72	35.84
Header - Corn	6R38"	240hp	73,500	300	8	0.134	2.41	5.81	2.47	2.26	12.95	4.62	10.83	28.41
Header - Corn	8R-30	240hp	99,100	300	8	0.127	2.29	5.52	3.16	2.14	13.12	5.92	10.29	29.33
Header - Corn	8R-38	275hp	87,300	300	8	0.100	1.81	5.00	2.20	4.86	13.88	4.12	23.31	41.32
Header - Corn	12R-20	275hp	148,000	300	8	0.127	2.29	6.32	4.72	6.15	19.50	8.84	29.49	57.83
Header - Corn	12R-30	275hp	135,000	300	8	0.085	1.52	4.21	2.87	4.10	12.72	5.37	19.66	37.76
Header - Rice (CL)	22' Rigid	240hp	83,200	300	8	0.288	5.17	12.46	5.99	4.85	28.49	11.23	23.24	62.97
Header - Rice (CL)	25' Rigid	240hp	83,200	300	8	0.253	4.55	10.97	5.28	4.27	25.07	9.88	20.45	55.41
Header - Rice (CL)	30' Rigid	275hp	85,600	300	8	0.211	3.79	10.47	4.52	10.20	29.00	8.47	48.85	86.32
Header - Rice (SL)	22' Rigid	240hp	83,200	300	8	0.250	4.48	10.80	5.20	4.20	24.69	9.73	20.14	54.57
Header - Rice (SL)	25' Rigid	240hp	83,200	300	8	0.220	3.94	9.50	4.57	3.70	21.73	8.56	17.72	48.02
Header - Rice (SL)	30' Rigid	275hp	85,600	300	8	0.183	3.28	9.07	3.92	8.84	25.13	7.34	42.33	74.81
Header - Soybean	15' Flex	240hp	0	300	8	0.170	3.05	7.36	0.00	2.86	13.28	0.00	13.72	27.00
Header - Soybean	18' Flex	240hp	41,750	300	8	0.141	2.54	6.13	1.48	2.38	12.54	2.77	11.43	26.75
Header - Soybean	22' Flex	240hp	42,600	300	8	0.116	2.08	5.01	1.23	1.95	10.29	2.31	9.35	21.96
Header - Soybean	25' Flex	275hp	42,000	300	8	0.102	1.83	5.05	1.07	4.92	12.89	2.00	23.59	38.49
Header - Soybean	30' Flex	275hp	48,600	300	8	0.085	1.52	4.21	1.03	4.10	10.88	1.93	19.66	32.48
Header Wheat/Sorghum	18' Rigid	240hp	19,800	300	8	0.141	2.54	6.13	0.70	2.38	11.76	1.31	11.43	24.51
Header Wheat/Sorghum	22' Rigid	240hp	19,800	300	8	0.116	2.08	5.01	0.57	1.95	9.62	1.07	9.35	20.06
Header Wheat/Sorghum	25' Rigid	240hp	41,800	300	8	0.102	1.83	4.41	1.06	1.71	9.03	1.99	8.23	19.26
Header Wheat/Sorghum	30' Rigid	275hp	55,100	300	8	0.085	1.52	4.21	1.17	4.10	11.02	2.19	19.66	32.87
Header-Cotton Bcast	13'	173hp	21,300	200	8	0.251	8.17	7.12	1.00	6.68	22.99	3.76	32.02	58.78
Header-Cotton-Bcast	16'	173hp	23,800	200	8	0.204	6.64	5.78	0.91	5.43	18.77	3.41	26.02	48.22
Header-Cotton-Bcast	19'	173hp	26,200	200	8	0.172	5.59	4.87	0.84	4.57	15.89	3.16	21.91	40.97
Header-Cotton-Brush	4R30"	173hp	20,520	200	8	0.327	10.63	9.25	1.25	8.69	29.84	4.71	41.63	76.19
Header-Cotton-Brush	4R30"2X1	173hp	34,400	200	8	0.218	7.08	6.17	1.40	5.79	20.46	5.27	27.75	53.49
Header-Cotton-Brush	4R38"	173hp	34,000	200	8	0.257	8.37	7.29	1.64	6.84	24.15	6.15	32.78	63.08
Header-Cotton-Brush	4R38"2X1	173hp	36,000	200	8	0.172	5.59	4.87	1.16	4.57	16.20	4.35	21.91	42.47
Header-Cotton-Brush	5R-30	173hp	42,800	200	8	0.261	8.50	7.40	2.10	6.95	24.96	7.86	33.31	66.14
Header-Cotton-Brush	5R-38	173hp	44,300	200	8	0.207	6.72	5.85	1.72	5.50	19.81	6.44	26.35	52.60
Header-Cotton-Brush	6R-30	173hp	52,700	200	8	0.218	7.08	6.17	2.15	5.79	21.21	8.07	27.75	57.04
Heavy Disk	14'	MFWD 150	25,900	180	10	0.145	2.12	3.94	1.05	0.77	7.89	2.77	5.83	16.51

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2024.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	---------------------$/acre							---------------------
Heavy Disk	21'	MFWD 170	40,600	180	10	0.097	1.41	2.97	1.09	0.61	6.10	2.90	4.72	13.73
Heavy Disk	27'	MFWD 190	50,400	180	10	0.075	1.09	2.59	1.05	0.58	5.33	2.80	4.49	12.63
LA Boom Sprayer	30 ft	MFWD 150	3,000	150	10	0.059	0.87	1.62	0.13	0.32	2.94	0.17	2.40	5.52
Land Plane	40'x10'	MFWD 190	6,020	200	10	0.242	3.52	8.30	0.29	1.86	13.98	0.96	14.42	29.38
Land Plane	50'x16'	MFWD 190	13,500	200	10	0.151	2.20	5.19	0.40	1.16	8.96	1.35	9.01	19.33
LARice Backhoe-Rrmnt	2 ft	MFWD 150	6,000	100	10	0.500	7.26	13.51	2.64	2.67	26.08	4.37	20.00	50.46
LARice Land Level	13 ft	MFWD 150	7,500	200	15	0.190	2.76	5.13	0.15	1.01	9.07	0.83	7.60	17.51
LARice Levee Plow	8 ft	4WD 300	4,600	150	10	0.050	0.72	2.70	0.07	0.67	4.18	0.22	5.22	9.62
LARice Water Level	24 ft	4WD 300	3,500	100	15	0.149	2.17	8.10	0.23	2.02	12.53	0.61	15.65	28.80
Levee Splitter (1/80	2 blade	2WD 150	9,220	50	10	0.004	0.06	0.11	0.00	0.01	0.19	0.10	0.13	0.43
Lo-Till & Bed	4R-38	MFWD 190	5,100	150	12	0.145	2.11	4.98	0.26	1.11	8.48	0.61	8.65	17.75
Middle Buster	6R-38	MFWD 150	12,800	160	8	0.120	1.74	3.24	0.36	0.64	5.99	1.39	4.80	12.20
Middle Buster	8R-30	MFWD 190	20,800	160	8	0.114	1.65	3.90	0.55	0.87	7.00	2.15	6.78	15.94
Middle Buster	8R-38	MFWD 190	18,100	160	8	0.090	1.31	3.08	0.38	0.69	5.47	1.48	5.36	12.32
Middle Buster	8R-40 2x1	MFWD 190	29,200	160	8	0.060	0.87	2.05	0.41	0.46	3.80	1.59	3.57	8.96
Middle Buster	10R-30	MFWD 225	29,300	160	8	0.091	1.32	3.70	0.62	0.88	6.53	2.42	6.82	15.78
Middle Buster	10R-38	MFWD 225	32,100	160	8	0.072	1.04	2.92	0.54	0.69	5.20	2.09	5.38	12.68
Middle Buster	12R-38	MFWD 225	29,200	160	8	0.060	0.87	2.43	0.41	0.58	4.30	1.59	4.48	10.38
Module Builder-1st	2R-38(157)	MFWD 190	31,300	200	10	0.519	15.10	17.78	4.06	3.99	40.94	10.47	30.89	82.32
Module Builder-1st	4R-30(255)	MFWD 190	34,700	200	10	0.327	9.51	11.20	2.84	2.51	26.07	7.31	19.46	52.85
Module Builder-1st	4R-30(325)	MFWD 190	34,700	200	10	0.327	9.51	11.20	2.84	2.51	26.07	7.31	19.46	52.85
Module Builder-1st	4R-38(255)	MFWD 190	34,700	200	10	0.257	7.49	8.82	2.23	1.98	20.53	5.76	15.32	41.62
Module Builder-1st	4R-38(325)	MFWD 190	34,700	200	10	0.257	7.49	8.82	2.23	1.98	20.53	5.76	15.32	41.62
Module Builder-1st	4R2x1260hp	MFWD 190	34,700	200	10	0.172	5.00	5.89	1.49	1.32	13.72	3.85	10.24	27.81
Module Builder-1st	5R-30(255)	MFWD 190	34,700	200	10	0.261	7.61	8.96	2.27	2.01	20.86	5.85	15.57	42.28
Module Builder-1st	5R-38(255)	MFWD 190	34,700	200	10	0.207	6.02	7.09	1.79	1.59	16.50	4.63	12.31	33.45
Module Builder-1st	6R-30(325)	MFWD 190	34,700	200	10	0.218	6.34	7.47	1.89	1.67	17.38	4.87	12.97	35.23
Module Builder-1st	6R-38(325)	MFWD 190	34,700	200	10	0.172	5.00	5.89	1.49	1.32	13.72	3.85	10.24	27.81
Module Builder-2nd	2R-38(157)	MFWD 190	34,700	200	10	0.440	12.79	15.06	3.81	3.38	35.06	9.83	26.17	71.06
Module Builder-2nd	4R-30(255)	MFWD 190	34,700	200	10	0.277	8.05	9.49	2.40	2.13	22.08	6.19	16.48	44.77
Module Builder-2nd	4R-30(325)	MFWD 190	34,700	200	10	0.277	8.05	9.49	2.40	2.13	22.08	6.19	16.48	44.77
Module Builder-2nd	4R-38(255)	MFWD 190	34,700	200	10	0.218	6.34	7.47	1.89	1.67	17.39	4.88	12.98	35.25
Module Builder-2nd	4R-38(325)	MFWD 190	34,700	200	10	0.218	6.34	7.47	1.89	1.67	17.39	4.88	12.98	35.25
Module Builder-2nd	4R2x1 255	MFWD 190	34,700	200	10	0.145	4.24	4.99	1.26	1.12	11.62	3.26	8.67	23.56
Module Builder-2nd	5R-30(255)	MFWD 190	34,700	200	10	0.221	6.44	7.59	1.92	1.70	17.67	4.95	13.19	35.81
Module Builder-2nd	5R-38(255)	MFWD 190	34,700	200	10	0.175	5.10	6.00	1.52	1.34	13.97	3.92	10.43	28.33
Module Builder-2nd	6R-30(325)	MFWD 190	34,700	200	10	0.184	5.37	6.32	1.60	1.42	14.72	4.13	10.99	29.84
Module Builder-2nd	6R-38(325)	MFWD 190	34,700	200	10	0.145	4.24	4.99	1.26	1.12	11.62	3.26	8.67	23.56
Module Builder-Strip	13' Bcast	MFWD 150	34,700	200	10	0.251	7.31	6.80	2.18	1.34	17.65	5.62	10.07	33.35
Module Builder-Strip	16' Bcast	MFWD 150	34,700	200	10	0.204	5.94	5.52	1.77	1.09	14.34	4.57	8.18	27.10
Module Builder-Strip	19' Brush	MFWD 150	34,700	200	10	0.172	5.00	4.65	1.49	0.92	12.07	3.85	6.89	22.82
Module Builder-Strip	4R-30	MFWD 150	34,700	200	10	0.327	9.51	8.84	2.84	1.74	22.94	7.31	13.09	43.36
Module Builder-Strip	4R-30 2X1	MFWD 150	34,700	200	10	0.218	6.34	5.89	1.89	1.16	15.29	4.87	8.73	28.91
Module Builder-Strip	4R-38	MFWD 150	34,700	200	10	0.257	7.49	6.96	2.23	1.37	18.07	5.76	10.31	34.14
Module Builder-Strip	4R-38 2X1	MFWD 150	34,700	200	10	0.172	5.00	4.65	1.49	0.92	12.07	3.85	6.89	22.82
Module Builder-Strip	5R-30	MFWD 150	34,700	200	10	0.261	7.61	7.07	2.27	1.39	18.35	5.85	10.47	34.69
Module Builder-Strip	5R-38	MFWD 150	34,700	200	10	0.207	6.02	5.59	1.79	1.10	14.52	4.63	8.29	27.44
Module Builder-Strip	6R-30	MFWD 150	34,700	200	10	0.218	6.34	5.89	1.89	1.16	15.29	4.87	8.73	28.91
Mulcher Plow	30'	MFWD 225	0	100	10	0.068	0.98	2.76	0.00	0.65	4.40	0.00	5.08	9.49
NT Grain Drill	12'	2WD 130	57,200	150	8	0.163	4.75	3.83	3.51	0.69	12.79	8.47	5.18	26.45
NT Grain Drill	15'	MFWD 150	73,300	150	8	0.130	3.80	3.53	3.59	0.69	11.64	8.68	5.23	25.57
NT Grain Drill	20'	MFWD 170	98,900	150	8	0.098	2.85	3.00	3.64	0.61	10.12	8.79	4.77	23.68
NT Grain Drill	24'	MFWD 190	111,300	150	8	0.081	2.37	2.80	3.41	0.62	9.22	8.24	4.86	22.33
NT Grain Drill	30'	MFWD 225	110,200	150	8	0.065	1.90	2.65	2.70	0.63	7.89	6.53	4.88	19.31
NT Grain Drill & Pre	12'	2WD 130	63,000	150	8	0.176	5.12	4.12	4.16	0.74	14.16	10.05	5.58	29.80
NT Grain Drill & Pre	20'	MFWD 170	86,500	150	8	0.105	2.89	3.70	3.43	0.61	10.63	7.49	4.34	22.47
NT Grain Drill & Pre	24'	MFWD 190	116,600	150	8	0.088	2.40	3.44	3.85	0.59	10.30	8.41	4.20	22.92
NT Grain Drill & Pre	30'	MFWD 225	115,500	150	8	0.070	1.92	3.26	3.05	0.60	8.85	6.66	4.30	19.82
NT Plant&Pre-Folding	8R-38	MFWD 170	67,800	150	8	0.083	2.28	2.92	2.12	0.48	7.82	4.64	3.43	15.90
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	107,000	150	8	0.055	1.52	1.94	2.23	0.32	6.02	4.87	2.28	13.19
NT Plant&Pre-Folding	10R-30	MFWD 190	57,555	150	8	0.084	2.31	3.31	1.82	0.57	8.02	3.98	4.03	16.04
NT Plant&Pre-Folding	10R-38	MFWD 190	52,893	150	8	0.066	1.82	2.61	1.32	0.45	6.20	2.88	3.18	12.28
NT Plant&Pre-Folding	12R-20	MFWD 190	82,800	150	8	0.105	2.89	4.13	3.28	0.71	11.02	7.16	5.04	23.24
NT Plant&Pre-Folding	12R-30	MFWD 190	101,000	150	8	0.070	1.92	2.75	2.67	0.47	7.83	5.83	3.36	17.02
NT Plant&Pre-Folding	12R-38	MFWD 190	111,800	150	8	0.055	1.52	2.17	2.33	0.37	6.40	5.09	2.65	14.16
NT Plant&Pre-Folding	16R-30	MFWD 190	149,400	150	8	0.052	1.44	2.06	2.96	0.35	6.83	6.46	2.52	15.82
NT Plant&Pre-Folding	23R-15	MFWD 190	203,900	150	8	0.073	2.00	2.87	5.61	0.49	10.99	12.26	3.50	26.75
NT Plant&Pre-Folding	24R-20	MFWD 190	238,100	150	8	0.052	1.44	2.06	4.72	0.35	8.59	10.30	2.52	21.42
NT Plant&Pre-Folding	24R-30	MFWD 190	224,900	150	8	0.035	0.96	1.37	2.97	0.23	5.55	6.49	1.68	13.72
NT Plant&Pre-Rigid	4R-30	2WD 130	37,700	150	8	0.211	5.78	5.66	2.99	0.77	15.21	6.52	5.29	27.03
NT Plant&Pre-Rigid	4R-38	2WD 130	34,500	150	8	0.166	4.55	4.45	2.15	0.61	11.77	4.70	4.16	20.65
NT Plant&Pre-Rigid	6R-30	MFWD 150	47,400	150	8	0.141	3.85	4.35	2.50	0.69	11.41	5.47	4.74	21.62
NT Plant&Pre-Rigid	6R-38	MFWD 150	47,500	150	8	0.111	3.04	3.43	1.98	0.54	9.01	4.32	3.74	17.08
NT Plant&Pre-Rigid	8R-22	MFWD 170	26,219	150	8	0.143	3.93	5.03	1.41	0.83	11.22	3.08	5.91	20.22
NT Plant&Pre-Rigid	8R-30	MFWD 170	60,300	150	8	0.105	2.89	3.70	2.39	0.61	9.60	5.22	4.34	19.16
NT Plant&Pre-Rigid	8R-38	MFWD 170	56,200	150	8	0.077	2.11	2.70	1.62	0.44	6.88	3.55	3.17	13.60
NT Plant&Pre-Rigid	10R-30	MFWD 190	51,900	150	8	0.084	2.31	3.31	1.64	0.57	7.84	3.59	4.03	15.47
NT Plant&Pre-Rigid	12R-20	MFWD 190	66,600	150	8	0.105	2.89	4.13	2.64	0.71	10.38	5.76	5.04	21.20
NT Plant&Pre-Rigid	12R-30	MFWD 190	86,600	150	8	0.070	1.92	2.75	2.28	0.47	7.45	4.99	3.36	15.81
NT Plant-Folding	8R-38	MFWD 170	72,900	150	8	0.077	2.12	2.71	2.12	0.45	7.41	4.63	3.19	15.23
NT Plant-Folding	8R-38 2x1	MFWD 170	102,200	150	8	0.051	1.41	1.80	1.98	0.30	5.50	4.32	2.12	11.95
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	2.14	3.07	1.53	0.53	7.28	3.34	3.75	14.38
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.69	2.42	1.10	0.41	5.64	2.41	2.95	11.01

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2024.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	---------------------$/acre--------------------							
NT Plant&Pre-Rigid	4R-30	2WD 130	41,900	150	8	0.211	6.14	4.95	3.32	0.89	15.32	8.02	6.70	30.04
NT Plant&Pre-Rigid	4R-38	2WD 130	37,500	150	8	0.166	4.84	3.90	2.34	0.70	11.78	5.65	5.27	22.71
NT Plant&Pre-Rigid	6R-30	MFWD 150	50,800	150	8	0.141	4.09	3.81	2.68	0.75	11.34	6.48	5.64	23.47
NT Plant&Pre-Rigid	6R-38	MFWD 150	49,500	150	8	0.111	3.23	3.00	2.06	0.59	8.90	4.98	4.45	18.34
NT Plant&Pre-Rigid	8R-22	MFWD 170	26,219	150	8	0.143	4.18	4.40	1.41	0.90	10.90	3.41	6.99	21.31
NT Plant&Pre-Rigid	8R-30	MFWD 170	65,200	150	8	0.105	3.07	3.23	2.58	0.66	9.56	6.24	5.13	20.94
NT Plant&Pre-Rigid	8R-38	MFWD 170	62,300	150	8	0.077	2.24	2.36	1.80	0.48	6.89	4.35	3.74	14.99
NT Plant&Pre-Rigid	10R-30	MFWD 190	51,900	150	8	0.084	2.45	2.89	1.64	0.65	7.65	3.97	5.03	16.65
NT Plant&Pre-Rigid	12R-20	MFWD 190	66,600	150	8	0.105	3.07	3.62	2.64	0.81	10.14	6.37	6.28	22.81
NT Plant&Pre-Rigid	12R-30	MFWD 190	100,400	150	8	0.070	2.04	2.41	2.65	0.54	7.65	6.40	4.19	18.26
NT Plant-Folding	8R-38	MFWD 170	77,700	150	8	0.077	2.25	2.37	2.26	0.48	7.38	5.46	3.77	16.61
NT Plant-Folding	8R-38 2x1	MFWD 170	109,000	150	8	0.051	1.50	1.58	2.11	0.32	5.52	5.10	2.51	13.13
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	2.28	2.68	1.53	0.60	7.11	3.70	4.67	15.48
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.80	2.12	1.10	0.47	5.50	2.67	3.68	11.86
NT Plant-Folding	12R-20	MFWD 190	77,500	150	8	0.098	2.85	3.36	2.85	0.75	9.82	6.89	5.83	22.55
NT Plant-Folding	12R-30	MFWD 190	97,600	150	8	0.065	1.90	2.24	2.39	0.50	7.04	5.78	3.89	16.72
NT Plant-Folding	12R-38	MFWD 190	109,000	150	8	0.051	1.50	1.76	2.11	0.39	5.78	5.10	3.07	13.95
NT Plant-Folding	16R-30	MFWD 190	182,000	150	8	0.049	1.42	1.68	3.35	0.37	6.83	8.09	2.91	17.84
NT Plant-Folding	23R-15	MFWD 190	207,000	150	8	0.068	1.98	2.33	5.29	0.52	10.13	12.77	4.05	26.97
NT Plant-Folding	24R-20	MFWD 190	244,000	150	8	0.049	1.42	1.68	4.49	0.37	7.97	10.84	2.91	21.74
NT Plant-Folding	24R-30	MFWD 190	208,000	150	8	0.032	0.95	1.12	2.55	0.25	4.87	6.16	1.94	12.98
Plant - Rigid	4R-30	2WD 130	32,000	150	8	0.188	5.47	4.41	2.26	0.79	12.95	5.46	5.97	24.39
Plant - Rigid	4R-38	2WD 130	27,600	150	8	0.148	4.31	3.47	1.53	0.62	9.95	3.70	4.70	18.37
Plant - Rigid	6R-30	MFWD 150	38,900	150	8	0.125	3.65	3.39	1.83	0.67	9.55	4.42	5.03	19.01
Plant - Rigid	6R-38	MFWD 150	37,500	150	8	0.099	2.88	2.68	1.39	0.53	7.49	3.36	3.97	14.83
Plant - Rigid	8R-22	MFWD 170	18,473	150	8	0.127	3.71	3.91	0.88	0.80	9.32	2.13	6.21	17.67
Plant - Rigid	8R-30	MFWD 170	51,300	150	8	0.094	2.73	2.88	1.81	0.59	8.03	4.37	4.58	16.99
Plant - Rigid	8R-38	MFWD 170	48,400	150	8	0.074	2.16	2.28	1.35	0.46	6.26	3.26	3.62	13.15
Plant - Rigid	10R-30	MFWD 190	40,700	150	8	0.075	2.19	2.58	1.15	0.57	6.50	2.77	4.48	13.76
Plant - Rigid	12R-20	MFWD 190	60,700	150	8	0.094	2.73	3.22	2.14	0.72	8.83	5.18	5.60	19.62
Plant - Rigid	12R-30	MFWD 190	77,800	150	8	0.062	1.82	2.15	1.83	0.48	6.29	4.42	3.73	14.45
Plant - Rigid	15R-15	2WD 150	71,200	150	8	0.094	2.73	2.54	2.51	0.40	8.21	6.07	3.03	17.32
Pull Levee (1m/80a))	4 blade	2WD 50	3,180	100	10	0.003	0.05	0.03	0.00	0.00	0.08	0.01	0.02	0.12
Rice Grain Cart	500 Bu	MFWD 190	35,100	200	12	0.057	0.82	1.95	0.54	0.43	3.76	1.21	3.39	8.37
Rice Grain Cart	700 Bu	MFWD 190	54,400	200	12	0.063	0.92	2.17	0.93	0.48	4.51	2.08	3.77	10.37
Roller	32'	MFWD 170	22,800	100	12	0.046	0.67	1.42	0.17	0.29	2.57	1.28	2.26	6.12
Rotary Cutter	7'	MFWD 130	6,580	185	10	0.168	2.44	3.94	0.89	0.89	8.18	0.79	6.73	15.71
Rotary Cutter	12'	2WD 150	20,200	185	10	0.098	1.42	2.65	1.60	0.42	6.11	1.41	3.15	10.68
Rotary Cutter	15'	MFWD 150	27,300	185	10	0.078	1.14	2.12	1.73	0.41	5.42	1.53	3.14	10.10
Row Cond & Inc	13'	2WD 130	18,700	100	10	0.137	2.82	3.69	0.64	0.50	7.67	3.09	3.45	14.21
Row Cond & Inc	21'	2WD 170	26,900	100	10	0.085	1.75	2.98	0.57	0.44	5.75	2.75	3.13	11.64
Row Cond & Inc	26'	MFWD 190	29,300	100	10	0.063	1.30	2.48	0.46	0.42	4.67	2.22	3.02	9.92
Row Cond & Inc	38'	MFWD 225	40,100	100	10	0.047	0.96	2.18	0.47	0.40	4.03	2.26	2.87	9.18
Row Cond & Inc	42'	MFWD 225	20,400	100	10	0.040	0.82	1.86	0.20	0.34	3.23	0.98	2.45	6.67
Row Cond (Plant)	13'	2WD 130	7,120	100	10	0.157	2.28	3.68	0.27	0.66	6.90	1.47	4.97	13.36
Row Cond (Plant)	21'	2WD 170	11,700	100	10	0.097	1.41	2.97	0.28	0.50	5.18	1.50	3.90	10.59
Row Cond (Plant)	27'	MFWD 190	12,400	100	10	0.078	1.14	2.69	0.24	0.60	4.67	1.28	4.67	10.64
Row Cond (Plant)	38'	MFWD 225	16,587	100	10	0.053	0.78	2.17	0.22	0.51	3.70	1.17	4.01	8.89
Row Cond (Plant)	42'	MFWD 225	15,582	100	10	0.048	0.70	1.97	0.18	0.46	3.33	1.00	3.63	7.97
RT Cult (Early)	8R-30	2WD 170	20,774	200	12	0.103	1.49	3.15	1.02	0.53	6.21	1.32	4.13	11.67
RT Cult (Early)	12R-30	2WD 190	29,998	200	12	0.068	0.99	2.35	0.98	0.30	4.64	1.27	2.37	8.29
RT Cult (Late)	8R-30	2WD 170	20,774	200	12	0.128	1.87	3.94	1.28	0.66	7.77	1.65	5.17	14.59
RT Cult (Late)	12R-30	2WD 190	29,998	200	12	0.085	1.24	2.94	1.23	0.38	5.80	1.59	2.97	10.37
RT Cult + PD (Early)	8R-30	2WD 150	20,774	200	12	0.110	2.39	2.97	1.09	0.47	6.93	1.40	3.53	11.88
RT Cult + PD (Early)	12R-30	MFWD 225	29,998	200	12	0.073	1.59	2.97	1.05	0.70	6.33	1.35	5.47	13.16
RT Cult + PD (Late)	8R-30	2WD 170	26,264	200	12	0.137	2.99	4.21	1.73	0.71	9.65	2.22	5.51	17.39
RT Cult + PD (Late)	12R-30	2WD 190	35,493	200	12	0.091	1.99	3.13	1.55	0.40	7.10	2.00	3.16	12.27
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.22	1.44	0.34	0.32	3.33	0.85	2.50	6.69
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.22	1.44	0.34	0.32	3.33	0.85	2.50	6.69
Spray (Band)	27'	MFWD 170	5,810	200	8	0.062	1.36	1.91	0.17	0.39	3.85	0.25	3.04	7.15
Spray (Band)	40'	MFWD 170	10,350	200	8	0.042	0.92	1.29	0.20	0.26	2.68	0.30	2.05	5.05
Spray (Band)	50'	MFWD 170	9,670	200	8	0.033	0.73	1.03	0.15	0.21	2.14	0.22	1.64	4.01
Spray (Band)	53'	MFWD 170	9,940	200	8	0.031	0.69	0.97	0.14	0.20	2.02	0.22	1.55	3.79
Spray (Band)	60'	MFWD 170	18,600	200	8	0.028	0.61	0.86	0.24	0.17	1.90	0.36	1.37	3.64
Spray (Bcast/HB)	13' Rigid	MFWD 150	8,890	200	8	0.130	2.83	3.51	0.54	0.69	7.59	0.81	5.20	13.61
Spray (Bcast/HB)	20' Rigid	2WD 50	10,400	200	8	0.084	1.84	0.76	0.41	0.07	3.09	0.61	0.55	4.26
Spray (Bcast/HB)	27' Fold	MFWD 170	13,000	200	8	0.062	1.36	1.91	0.38	0.39	4.06	0.57	3.04	7.67
Spray (Bcast/HB)	27' Rigid	MFWD 170	12,200	200	8	0.062	1.36	1.91	0.35	0.39	4.03	0.53	3.04	7.61
Spray (Bcast/HB)	30' Fold	MFWD 170	18,700	200	8	0.056	1.22	1.72	0.49	0.35	3.80	0.74	2.74	7.28
Spray (Bcast/HB)	40' Fold	MFWD 170	22,600	200	8	0.042	0.92	1.29	0.44	0.26	2.93	0.67	2.05	5.65
Spray (Bcast/HB/HD)	27'	MFWD 170	13,000	200	8	0.062	1.36	1.91	0.38	0.39	4.06	0.57	3.04	7.67
Spray (Bcast/HB/HD)	40'	MFWD 170	22,600	200	8	0.042	0.92	1.29	0.44	0.26	2.93	0.67	2.05	5.65
Spray (Broadcast)	27'	MFWD 170	5,810	200	8	0.062	1.36	1.91	0.17	0.39	3.85	0.25	3.04	7.15
Spray (Broadcast)	40'	MFWD 170	10,350	200	8	0.042	0.92	1.29	0.20	0.26	2.68	0.30	2.05	5.05
Spray (Broadcast)	50'	MFWD 170	9,670	200	8	0.033	0.73	1.03	0.15	0.21	2.14	0.22	1.64	4.01
Spray (Broadcast)	53'	MFWD 170	9,940	200	8	0.031	0.69	0.97	0.14	0.20	2.02	0.22	1.55	3.79
Spray (Broadcast)	60'	MFWD 170	18,600	200	8	0.028	0.61	0.86	0.24	0.17	1.90	0.36	1.37	3.64
Spray (Direct/Hood)	8R-30	MFWD 170	19,000	200	8	0.084	1.84	2.59	0.75	0.53	5.72	1.12	4.11	10.96
Spray (Direct/Hood)	8R-38	MFWD 170	19,800	200	8	0.066	1.45	2.04	0.62	0.42	4.54	0.92	3.24	8.72
Spray (Direct/Hood)	12R-30	MFWD 170	26,100	200	8	0.056	1.22	1.72	0.69	0.35	4.00	1.03	2.74	7.77

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2024.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------------------				$/acre	---------------------		
Spray (Direct/Hood)	12R-38	MFWD 170	26,100	200	8	0.044	0.97	1.36	0.54	0.27	3.15	0.81	2.16	6.13
Spray (Direct/Layby)	8R-30	MFWD 170	19,500	200	8	0.084	1.84	2.59	0.77	0.53	5.74	1.15	4.11	11.01
Spray (Direct/Layby)	8R-38	MFWD 170	19,500	200	8	0.066	1.45	2.04	0.61	0.42	4.53	0.91	3.24	8.70
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	29,500	200	8	0.044	0.97	1.36	0.61	0.27	3.22	0.92	2.16	6.31
Spray (Direct/Layby)	10R-30	MFWD 170	12,200	200	8	0.067	1.47	2.07	0.38	0.42	4.36	0.57	3.28	8.22
Spray (Direct/Layby)	12R-30	MFWD 170	29,500	200	8	0.056	1.22	1.72	0.78	0.35	4.09	1.16	2.74	8.00
Spray (Direct/Layby)	12R-38	MFWD 170	29,500	200	8	0.044	0.97	1.36	0.61	0.27	3.22	0.92	2.16	6.31
Spray (Direct/Layby)	16R-20	MFWD 170	34,600	200	8	0.063	1.38	1.94	1.02	0.39	4.74	1.53	3.07	9.36
Spray (Spot)	27'	MFWD 170	5,810	200	8	0.062	1.36	1.91	0.17	0.39	3.85	0.25	3.04	7.15
Spray (Spot)	40'	MFWD 170	10,350	200	8	0.042	0.92	1.29	0.20	0.26	2.68	0.30	2.05	5.05
Spray (Spot)	50'	MFWD 170	9,670	200	8	0.033	0.73	1.03	0.15	0.21	2.14	0.22	1.64	4.01
Spray (Spot)	53'	MFWD 170	10,100	200	8	0.031	0.69	0.97	0.15	0.20	2.02	0.22	1.55	3.80
Spray (Spot)	60'	MFWD 170	18,600	200	8	0.028	0.61	0.86	0.24	0.17	1.90	0.36	1.37	3.64
Stalk Shredder	14'	MFWD 150	36,300	200	10	0.117	1.71	3.18	3.74	0.62	9.27	2.82	4.71	16.81
Stalk Shredder	20'	MFWD 150	36,300	200	10	0.082	1.19	2.22	2.62	0.44	6.48	1.97	3.30	11.76
Stalk Shredder-Flail	12'	MFWD 150	30,000	200	10	0.137	1.99	3.71	3.60	0.73	10.05	2.72	5.50	18.28
Stalk Shredder-Flail	20'	MFWD 150	43,900	200	10	0.082	1.19	2.22	3.16	0.44	7.03	2.39	3.30	12.73
Subsoiler	3 shank	MFWD 190	5,690	100	15	0.204	2.96	6.99	0.38	1.57	11.92	1.27	12.14	25.34
Subsoiler	4 shank	MFWD 225	14,800	100	15	0.153	2.23	6.22	0.75	1.48	10.70	2.49	11.47	24.67
Subsoiler	5 shank	MFWD 225	18,300	100	15	0.122	1.77	4.95	0.74	1.18	8.66	2.45	9.13	20.26
Subsoiler low-till	4 shank	MFWD 225	9,830	100	15	0.153	2.23	6.22	0.50	1.48	10.44	1.65	11.47	23.57
Subsoiler low-till	6 shank	MFWD 225	26,600	100	15	0.102	1.48	4.14	0.90	0.98	7.51	2.98	7.63	18.13
Subsoiler low-till	8 shank	MFWD 225	25,700	100	15	0.076	1.11	3.10	0.65	0.73	5.60	2.15	5.71	13.48
TerraTill Bed w/roll	4R-38	MFWD 225	14,300	150	12	0.160	2.33	6.52	0.83	1.55	11.24	1.85	12.01	25.11
TerraTill Bed w/roll	6R-38	MFWD 225	19,400	150	12	0.107	1.56	4.35	0.75	1.03	7.71	1.68	8.03	17.42
TerraTill Bed w/roll	4R-30	MFWD 225	14,300	150	12	0.204	2.96	8.28	1.05	1.97	14.27	2.35	15.25	31.89
TerraTill Bed w/roll	6R-30	MFWD 225	15,310	150	12	0.136	1.97	5.52	0.75	1.31	9.56	1.67	10.17	21.42