

Projected Costs and Returns Crop Enterprise Budgets for Rice Production in Louisiana, 2023

Michael A. Deliberto and Brian M. Hilbun



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FOR RICE PRODUCTION IN LOUISIANA, 2023**

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PROJECTED COSTS AND RETURNS CROP ENTERPRISE BUDGETS FOR RICE PRODUCTION IN LOUISIANA, 2023

by

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Introduction

This publication presents estimates of projected costs and returns for rice production in Louisiana for the 2023 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 2023 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 2023 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 participation 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 \$13.67 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 \$16.54 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 6.40% per year. Operating capital was assumed to be borrowed in a manner consistent with timely acquisition of inputs. Fuel prices for diesel was \$4.00 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 6.90%. 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, 2023.

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	7.60	5.0000	38.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.78	130.0000	101.40	_____
LA Phosphate	lb	0.90	40.0000	36.00	_____
LA Potash	lb	0.67	60.0000	40.20	_____
FUNGICIDES					
Quadris	oz	6.73	10.0000	67.30	_____
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	3.25	2.5000	8.13	_____
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	0.33	120.0000	39.60	_____
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	16.54	0.3303	5.46	_____
LA Hired Labor					
Tractors	hour	13.67	0.8574	11.73	_____
LA Irrigation Labor					
Irrigation System 1	hour	13.67	0.2153	2.95	_____
DIESEL FUEL					
Tractors	gal	4.00	10.5417	42.17	_____
Self-Propelled	gal	4.00	2.5825	10.33	_____
Irrigation System 1	gal	4.00	32.8389	131.37	_____
REPAIR & MAINTENANCE					
Implements	acre	4.84	1.0000	4.84	_____
Tractors	acre	7.24	1.0000	7.24	_____
Self-Propelled	acre	14.53	1.0000	14.53	_____
Irrigation System 1	acre	3.75	1.0000	3.75	_____
INTEREST ON OP. CAP.	acre	20.57	1.0000	20.57	_____
TOTAL DIRECT EXPENSES				783.72	_____
FIXED EXPENSES					
Implements	acre	12.47	1.0000	12.47	_____
Tractors	acre	50.87	1.0000	50.87	_____
Self-Propelled	acre	24.43	1.0000	24.43	_____
Irrigation System 1	acre	40.68	1.0000	40.68	_____
TOTAL FIXED EXPENSES				128.45	_____
TOTAL SPECIFIED EXPENSES				912.17	_____

Table 1.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Water Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	32'	4WD 225	0.061	2.00	Nov	6.25	3.99	2.78	6.66	0.12	1.68				21.36
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	7.36	8.33	0.15	0.41	0.10	1.37				17.62
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	3.79	3.56	0.19	0.18	0.10	1.45				9.17
Ditcher		MFWD 150	0.020	1.00	Nov	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	3.43	3.89	0.69	3.31	0.04	0.64				11.96
App Fert by Air	cwt			1.00	Feb							1.5000	7.50	11.25	11.25
LA Nitrogen	lb											70.0000	0.78	54.60	54.60
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	0.90	36.00	36.00
LA Potash	lb											60.0000	0.67	40.20	40.20
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
Ditcher		MFWD 150	0.020	1.00	Feb	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Blade-Scraper	10'	MFWD 150	1.176	0.09	Feb	3.79	3.56	0.19	0.18	0.10	1.45				9.17
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	0.89	0.84	0.13	0.20	0.02	0.34				2.40
LARice Water Level	24 ft	4WD 300	0.149	2.00	Feb	22.05	24.98	0.46	1.10	0.29	4.10				52.69
LARice Air Plant SW	cwt			1.00	Apr							1.2000	5.60	6.72	6.72
Rice Seed Conv.	lb											120.0000	0.33	39.60	39.60
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	7.60	7.60	7.60
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	7.60	7.60	7.60
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	7.60	7.60	7.60
2,4-D Amine 4	pt											2.5000	3.25	8.13	8.13
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	0.78	46.80	46.80
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
Quadris	oz											10.0000	6.73	67.30	67.30
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	7.60	7.60	7.60
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	24.86	24.43			0.33	5.46				54.75
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.41	0.38	0.11	0.21	0.01	0.16				1.27
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			135.12	40.68	0.21	2.95	1.0000			178.75
TOTALS						74.27	75.30	139.96	53.15	1.40	20.14			528.78	891.60
INTEREST ON OPERATING CAPITAL															20.57
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															912.17

Table 1.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
		(\$/acre)								
80%	56.0	-49	-9	31	71	112	152	192	232	273
85%	59.5	-4	39	82	125	168	211	254	297	340
90%	63.0	40	86	132	178	224	269	315	361	407
95%	66.5	85	134	182	231	280	328	377	426	474
100%	70.0	130	181	233	284	336	387	438	490	541
105%	73.5	175	229	283	337	392	446	500	554	609
110%	77.0	220	277	334	391	448	505	562	619	676
115%	80.5	264	324	384	444	504	563	623	683	743
120%	84.0	309	372	434	497	560	622	685	748	810

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
		(\$/acre)								
80%	56.0	-178	-137	-97	-57	-17	23	64	104	144
85%	59.5	-133	-90	-47	-4	39	82	125	168	211
90%	63.0	-88	-42	4	49	95	141	187	233	278
95%	66.5	-43	5	54	103	151	200	248	297	346
100%	70.0	2	53	104	156	207	259	310	361	413
105%	73.5	46	101	155	209	263	317	372	426	480
110%	77.0	91	148	205	262	319	376	433	490	547
115%	80.5	136	196	256	315	375	435	495	555	614
120%	84.0	181	243	306	369	431	494	556	619	682

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
		(\$/acre)								
80%	56.0	-111	-83	-55	-26	2	30	58	86	114
85%	59.5	-80	-49	-19	11	41	71	101	131	161
90%	63.0	-48	-16	16	48	80	112	144	176	208
95%	66.5	-17	17	51	85	119	153	187	221	255
100%	70.0	15	51	86	122	158	194	230	266	302
105%	73.5	46	84	122	160	198	236	274	312	350
110%	77.0	77	117	157	197	237	277	317	357	397
115%	80.5	109	150	192	234	276	318	360	402	444
120%	84.0	140	184	228	271	315	359	403	447	491

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
		(\$/acre)								
80%	56.0	-199	-171	-142	-114	-86	-58	-30	-2	27
85%	59.5	-167	-137	-107	-77	-47	-17	13	43	74
90%	63.0	-136	-104	-72	-40	-8	24	56	89	121
95%	66.5	-105	-71	-37	-3	32	66	100	134	168
100%	70.0	-73	-37	-1	35	71	107	143	179	215
105%	73.5	-42	-4	34	72	110	148	186	224	262
110%	77.0	-11	29	69	109	149	189	229	269	309
115%	80.5	21	63	105	146	188	230	272	314	356
120%	84.0	52	96	140	184	228	271	315	359	403

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, 2023.

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	7.60	5.0000	38.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.78	130.0000	101.40	_____
LA Phosphate	lb	0.90	40.0000	36.00	_____
LA Potash	lb	0.67	60.0000	40.20	_____
FUNGICIDES					
Quadris	oz	6.73	10.0000	67.30	_____
HERBICIDES					
Newpath 2SL	oz	4.15	8.0000	33.20	_____
Aim 2EC	oz	4.90	1.6000	7.84	_____
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	1.14	100.0000	114.00	_____
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	16.54	0.3303	5.46	_____
LA Hired Labor					
Tractors	hour	13.67	0.8574	11.73	_____
LA Irrigation Labor					
Irrigation System 1	hour	13.67	0.2153	2.95	_____
DIESEL FUEL					
Tractors	gal	4.00	11.0156	44.06	_____
Self-Propelled	gal	4.00	2.5825	10.33	_____
Irrigation System 1	gal	4.00	32.8389	131.37	_____
REPAIR & MAINTENANCE					
Implements	acre	4.84	1.0000	4.84	_____
Tractors	acre	8.13	1.0000	8.13	_____
Self-Propelled	acre	14.53	1.0000	14.53	_____
Irrigation System 1	acre	3.75	1.0000	3.75	_____
INTEREST ON OP. CAP.	acre	22.20	1.0000	22.20	_____

TOTAL DIRECT EXPENSES				850.16	_____
FIXED EXPENSES					
Implements	acre	12.47	1.0000	12.47	_____
Tractors	acre	57.11	1.0000	57.11	_____
Self-Propelled	acre	24.43	1.0000	24.43	_____
Irrigation System 1	acre	40.68	1.0000	40.68	_____

TOTAL FIXED EXPENSES				134.69	_____

TOTAL SPECIFIED EXPENSES				984.85	_____

Table 2.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Water Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	32'	4WD 300	0.061	2.00	Nov	9.03	10.23	2.78	6.66	0.12	1.68				30.38
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	7.36	8.33	0.15	0.41	0.10	1.37				17.62
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	3.79	3.56	0.19	0.18	0.10	1.45				9.17
Ditcher		MFWD 150	0.020	1.00	Nov	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	3.43	3.89	0.69	3.31	0.04	0.64				11.96
App Fert by Air	cwt			1.00	Feb							1.5000	7.50	11.25	11.25
LA Nitrogen	lb											70.0000	0.78	54.60	54.60
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	0.90	36.00	36.00
LA Potash	lb											60.0000	0.67	40.20	40.20
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
Ditcher		MFWD 150	0.020	1.00	Feb	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Blade-Scraper	10'	MFWD 150	1.176	0.09	Feb	3.79	3.56	0.19	0.18	0.10	1.45				9.17
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	0.89	0.84	0.13	0.20	0.02	0.34				2.40
LARice Water Level	24 ft	4WD 300	0.149	2.00	Feb	22.05	24.98	0.46	1.10	0.29	4.10				52.69
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	1.14	114.00	114.00
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	7.60	7.60	7.60
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	7.60	7.60	7.60
Newpath 2SL	oz											4.0000	4.15	16.60	16.60
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
Newpath 2SL	oz											4.0000	4.15	16.60	16.60
Aim 2EC	oz											1.6000	4.90	7.84	7.84
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	0.78	46.80	46.80
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
Quadris	oz											10.0000	6.73	67.30	67.30
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	7.60	7.60	7.60
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	24.86	24.43			0.33	5.46				54.75
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.41	0.38	0.11	0.21	0.01	0.16				1.27
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			135.12	40.68	0.21	2.95	1.0000			178.75
TOTALS						77.05	81.54	139.96	53.15	1.40	20.14			590.81	962.65
INTEREST ON OPERATING CAPITAL															22.20
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															984.85

Table 2.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Clearfield Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
		(\$/acre)								
80%	56.0	-116	-75	-35	5	45	85	126	166	206
85%	59.5	-71	-28	15	58	101	144	187	230	273
90%	63.0	-26	20	66	111	157	203	249	295	340
95%	66.5	19	67	116	165	213	262	310	359	408
100%	70.0	64	115	166	218	269	321	372	423	475
105%	73.5	108	163	217	271	325	379	434	488	542
110%	77.0	153	210	267	324	381	438	495	552	609
115%	80.5	198	258	318	377	437	497	557	617	676
120%	84.0	243	305	368	431	493	556	618	681	744

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
		(\$/acre)								
80%	56.0	-250	-210	-170	-130	-89	-49	-9	31	71
85%	59.5	-206	-163	-120	-77	-33	10	53	96	139
90%	63.0	-161	-115	-69	-23	23	68	114	160	206
95%	66.5	-116	-67	-19	30	79	127	176	224	273
100%	70.0	-71	-20	32	83	135	186	237	289	340
105%	73.5	-26	28	82	136	191	245	299	353	407
110%	77.0	18	75	132	189	247	304	361	418	475
115%	80.5	63	123	183	243	303	362	422	482	542
120%	84.0	108	171	233	296	359	421	484	546	609

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
		----- (\$/acre) -----								
80%	56.0	-177	-149	-121	-93	-65	-37	-8	20	48
85%	59.5	-146	-116	-86	-56	-26	5	35	65	95
90%	63.0	-115	-83	-51	-18	14	46	78	110	142
95%	66.5	-83	-49	-15	19	53	87	121	155	189
100%	70.0	-52	-16	20	56	92	128	164	200	236
105%	73.5	-21	17	55	93	131	169	207	245	283
110%	77.0	11	51	91	131	170	210	250	290	330
115%	80.5	42	84	126	168	210	252	293	335	377
120%	84.0	74	117	161	205	249	293	337	380	424

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
		----- (\$/acre) -----								
80%	56.0	-271	-243	-215	-187	-159	-131	-102	-74	-46
85%	59.5	-240	-210	-180	-150	-120	-89	-59	-29	1
90%	63.0	-209	-177	-145	-112	-80	-48	-16	16	48
95%	66.5	-177	-143	-109	-75	-41	-7	27	61	95
100%	70.0	-146	-110	-74	-38	-2	34	70	106	142
105%	73.5	-115	-77	-39	-1	37	75	113	151	189
110%	77.0	-83	-43	-3	37	76	116	156	196	236
115%	80.5	-52	-10	32	74	116	158	199	241	283
120%	84.0	-21	23	67	111	155	199	243	286	330

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, 2023.

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	7.60	4.0000	30.40	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.78	130.0000	101.40	_____
LA Phosphate	lb	0.90	40.0000	36.00	_____
LA Potash	lb	0.67	60.0000	40.20	_____
FUNGICIDES					
Quadris	oz	6.73	10.0000	67.30	_____
HERBICIDES					
Command 3ME	pt	18.00	0.8000	14.40	_____
Permit 75DF	oz	20.07	1.0000	20.07	_____
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	0.33	90.0000	29.70	_____
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	13.67	0.0942	1.29	_____
LA OPERATOR LABOR					
Self-Propelled	hour	16.54	0.3303	5.46	_____
LA Hired Labor					
Tractors	hour	13.67	0.7118	9.74	_____
LA Irrigation Labor					
Irrigation System 2	hour	13.67	0.2074	2.86	_____
DIESEL FUEL					
Tractors	gal	4.00	7.5765	30.30	_____
Self-Propelled	gal	4.00	2.5825	10.33	_____
Irrigation System 2	gal	4.00	35.4660	141.86	_____
REPAIR & MAINTENANCE					
Implements	acre	6.12	1.0000	6.12	_____
Tractors	acre	5.37	1.0000	5.37	_____
Self-Propelled	acre	14.53	1.0000	14.53	_____
Irrigation System 2	acre	3.61	1.0000	3.61	_____
INTEREST ON OP. CAP.	acre	19.24	1.0000	19.24	_____

TOTAL DIRECT EXPENSES				736.21	_____
FIXED EXPENSES					
Implements	acre	15.03	1.0000	15.03	_____
Tractors	acre	37.32	1.0000	37.32	_____
Self-Propelled	acre	24.43	1.0000	24.43	_____
Irrigation System 2	acre	40.68	1.0000	40.68	_____

TOTAL FIXED EXPENSES				117.46	_____

TOTAL SPECIFIED EXPENSES				853.67	_____

Table 3.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Drill Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	32'	4WD 300	0.061	2.00	Nov	9.03	10.23	2.78	6.66	0.12	1.68				30.38
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	7.36	8.33	0.15	0.41	0.10	1.37				17.62
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	3.79	3.56	0.19	0.18	0.10	1.45				9.17
Ditcher		MFWD 150	0.020	1.00	Nov	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	3.43	3.89	0.69	3.31	0.04	0.64				11.96
App Fert by Air	cwt			1.00	Feb							1.5000	7.50	11.25	11.25
LA Nitrogen	lb											70.0000	0.78	54.60	54.60
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	0.90	36.00	36.00
LA Potash	lb											60.0000	0.67	40.20	40.20
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	3.38	3.17	1.61	3.50	0.18	2.58				14.24
Rice Seed Conv.	lb											90.0000	0.33	29.70	29.70
Seed Tmt	oz											16.2000	0.30	4.86	4.86
Ditcher		MFWD 150	0.020	1.00	Apr	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	3.79	3.56	0.19	0.18	0.10	1.45				9.17
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	0.89	0.84	0.13	0.20	0.02	0.34				2.40
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	2.15	2.02	0.13	0.16	0.05	0.82				5.28
Command 3ME	pt											0.8000	18.00	14.40	14.40
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
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	7.60	7.60	7.60
Permit 75DF	oz											1.0000	20.07	20.07	20.07
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	0.78	46.80	46.80
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
Quadris	oz											10.0000	6.73	67.30	67.30
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	7.60	7.60	7.60
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	24.86	24.43			0.33	5.46				54.75
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.41	0.38	0.11	0.21	0.01	0.16				1.27
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							1.0000			189.01
						-----	-----	-----	-----	-----	-----	-----			-----
TOTALS						60.53	61.75	151.59	55.71	1.34	19.35				834.43
INTEREST ON OPERATING CAPITAL															19.24
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															853.67

Table 3.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	56.0	-2	38	79	119	159	199	240	280	320
85%	59.5	43	86	129	172	215	258	301	344	387
90%	63.0	88	134	180	225	271	317	363	409	454
95%	66.5	133	181	230	279	327	376	424	473	522
100%	70.0	177	229	280	332	383	435	486	537	589
105%	73.5	222	276	331	385	439	493	548	602	656
110%	77.0	267	324	381	438	495	552	609	666	723
115%	80.5	312	372	432	491	551	611	671	731	790
120%	84.0	357	419	482	545	607	670	732	795	858

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	56.0	-119	-79	-39	1	42	82	122	162	203
85%	59.5	-74	-31	12	55	98	141	184	227	270
90%	63.0	-30	16	62	108	154	200	245	291	337
95%	66.5	15	64	112	161	210	258	307	356	404
100%	70.0	60	111	163	214	266	317	369	420	471
105%	73.5	105	159	213	267	322	376	430	484	539
110%	77.0	150	207	264	321	378	435	492	549	606
115%	80.5	194	254	314	374	434	494	553	613	673
120%	84.0	239	302	364	427	490	552	615	678	740

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	56.0	-53	-25	3	32	60	88	116	144	172
85%	59.5	-22	9	39	69	99	129	159	189	219
90%	63.0	10	42	74	106	138	170	202	234	266
95%	66.5	41	75	109	143	177	211	245	279	313
100%	70.0	73	109	144	180	216	252	288	324	360
105%	73.5	104	142	180	218	256	294	332	370	408
110%	77.0	135	175	215	255	295	335	375	415	455
115%	80.5	167	208	250	292	334	376	418	460	502
120%	84.0	198	242	286	329	373	417	461	505	549

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	56.0	-130	-102	-73	-45	-17	11	39	67	96
85%	59.5	-98	-68	-38	-8	22	52	82	112	143
90%	63.0	-67	-35	-3	29	61	93	125	158	190
95%	66.5	-36	-2	32	66	101	135	169	203	237
100%	70.0	-4	32	68	104	140	176	212	248	284
105%	73.5	27	65	103	141	179	217	255	293	331
110%	77.0	58	98	138	178	218	258	298	338	378
115%	80.5	90	132	174	215	257	299	341	383	425
120%	84.0	121	165	209	253	297	340	384	428	472

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, 2023.

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	7.60	5.0000	38.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.78	130.0000	101.40	_____
LA Phosphate	lb	0.90	40.0000	36.00	_____
LA Potash	lb	0.67	60.0000	40.20	_____
FUNGICIDES					
Quadris	oz	6.73	10.0000	67.30	_____
HERBICIDES					
Newpath 2SL	oz	4.15	8.0000	33.20	_____
Aim 2EC	oz	4.90	1.6000	7.84	_____
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	1.14	75.0000	85.50	_____
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	13.67	0.0942	1.29	_____
LA OPERATOR LABOR					
Self-Propelled	hour	16.54	0.3303	5.46	_____
LA Hired Labor					
Tractors	hour	13.67	0.6518	8.92	_____
LA Irrigation Labor					
Irrigation System 2	hour	13.67	0.2074	2.86	_____
DIESEL FUEL					
Tractors	gal	4.00	7.2104	28.84	_____
Self-Propelled	gal	4.00	2.5825	10.33	_____
Irrigation System 2	gal	4.00	35.4660	141.86	_____
REPAIR & MAINTENANCE					
Implements	acre	5.99	1.0000	5.99	_____
Tractors	acre	5.15	1.0000	5.15	_____
Self-Propelled	acre	14.53	1.0000	14.53	_____
Irrigation System 2	acre	3.61	1.0000	3.61	_____
INTEREST ON OP. CAP.	acre	20.99	1.0000	20.99	_____

TOTAL DIRECT EXPENSES				804.84	_____
FIXED EXPENSES					
Implements	acre	14.87	1.0000	14.87	_____
Tractors	acre	36.01	1.0000	36.01	_____
Self-Propelled	acre	24.43	1.0000	24.43	_____
Irrigation System 2	acre	40.68	1.0000	40.68	_____

TOTAL FIXED EXPENSES				115.99	_____

TOTAL SPECIFIED EXPENSES				920.83	_____

Table 4.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Drill Plant, Conventional Tillage,
(In Rotation), Southwest Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	32'	4WD 300	0.061	2.00	Nov	9.03	10.23	2.78	6.66	0.12	1.68				30.38
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	7.36	8.33	0.15	0.41	0.10	1.37				17.62
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	3.79	3.56	0.19	0.18	0.10	1.45				9.17
Ditcher		MFWD 150	0.020	1.00	Nov	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	3.43	3.89	0.69	3.31	0.04	0.64				11.96
App Fert by Air	cwt			1.00	Feb							1.5000	7.50	11.25	11.25
LA Nitrogen	lb											70.0000	0.78	54.60	54.60
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	0.90	36.00	36.00
LA Potash	lb											60.0000	0.67	40.20	40.20
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	3.85	3.88	1.61	3.50	0.18	2.58				15.42
Rice Clearfield 161	lb											75.0000	1.14	85.50	85.50
Seed Tmt	oz											13.5000	0.30	4.05	4.05
Ditcher		MFWD 150	0.020	1.00	Apr	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	3.79	3.56	0.19	0.18	0.10	1.45				9.17
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	0.89	0.84	0.13	0.20	0.02	0.34				2.40
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
Newpath 2SL	oz											4.0000	4.15	16.60	16.60
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
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	7.60	7.60	7.60
Newpath 2SL	oz											4.0000	4.15	16.60	16.60
Aim 2EC	oz											1.6000	4.90	7.84	7.84
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	0.78	46.80	46.80
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
Quadris	oz											10.0000	6.73	67.30	67.30
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	7.60	7.60	7.60
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	24.86	24.43			0.33	5.46				54.75
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.41	0.38	0.11	0.21	0.01	0.16				1.27
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			145.47	40.68	0.20	2.86	1.0000			189.01
						58.85	60.44	151.46	55.55	1.28	18.53				899.84
TOTALS														555.01	
INTEREST ON OPERATING CAPITAL															20.99
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															920.83

Table 4.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	56.0	-70	-30	10	50	91	131	171	211	251
85%	59.5	-26	17	60	104	147	190	233	276	319
90%	63.0	19	65	111	157	203	248	294	340	386
95%	66.5	64	113	161	210	259	307	356	404	453
100%	70.0	109	160	212	263	315	366	417	469	520
105%	73.5	154	208	262	316	371	425	479	533	587
110%	77.0	198	255	312	370	427	484	541	598	655
115%	80.5	243	303	363	423	483	542	602	662	722
120%	84.0	288	351	413	476	539	601	664	726	789

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	56.0	-186	-146	-106	-66	-25	15	55	95	135
85%	59.5	-142	-99	-56	-12	31	74	117	160	203
90%	63.0	-97	-51	-5	41	87	132	178	224	270
95%	66.5	-52	-3	45	94	143	191	240	288	337
100%	70.0	-7	44	96	147	199	250	301	353	404
105%	73.5	38	92	146	200	255	309	363	417	471
110%	77.0	82	139	196	254	311	368	425	482	539
115%	80.5	127	187	247	307	367	426	486	546	606
120%	84.0	172	235	297	360	423	485	548	610	673

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$10.40	\$11.05	\$11.70	\$12.35	\$13.00	\$13.65	\$14.30	\$14.95	\$15.60
		----- (\$/acre) -----								
80%	56.0	-122	-93	-65	-37	-9	19	47	76	104
85%	59.5	-90	-60	-30	0	30	60	90	121	151
90%	63.0	-59	-27	5	37	69	102	134	166	198
95%	66.5	-27	7	41	75	109	143	177	211	245
100%	70.0	4	40	76	112	148	184	220	256	292
105%	73.5	35	73	111	149	187	225	263	301	339
110%	77.0	67	107	146	186	226	266	306	346	386
115%	80.5	98	140	182	224	265	307	349	391	433
120%	84.0	129	173	217	261	305	348	392	436	480

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$10.40	\$11.05	\$11.70	\$12.35	\$13.00	\$13.65	\$14.30	\$14.95	\$15.60
		----- (\$/acre) -----								
80%	56.0	-197	-169	-141	-112	-84	-56	-28	0	28
85%	59.5	-166	-135	-105	-75	-45	-15	15	45	75
90%	63.0	-134	-102	-70	-38	-6	26	58	90	122
95%	66.5	-103	-69	-35	-1	33	67	101	135	169
100%	70.0	-71	-35	1	37	73	109	145	181	217
105%	73.5	-40	-2	36	74	112	150	188	226	264
110%	77.0	-9	31	71	111	151	191	231	271	311
115%	80.5	23	65	106	148	190	232	274	316	358
120%	84.0	54	98	142	186	229	273	317	361	405

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, 2023.

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	7.60	4.0000	30.40	_____
GIN/DRY					
LARice Dry	cwt	0.90	88.8000	79.92	_____
FERTILIZERS					
LA Nitrogen	lb	0.78	150.0000	117.00	_____
LA Phosphate	lb	0.90	40.0000	36.00	_____
LA Potash	lb	0.67	60.0000	40.20	_____
FUNGICIDES					
Stratego	pt	23.93	0.7100	16.99	_____
HERBICIDES					
Command 3ME	pt	18.00	0.8000	14.40	_____
Permit 75DF	oz	20.07	1.0000	20.07	_____
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	180.00	1.0000	180.00	_____
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	13.67	0.0942	1.29	_____
LA OPERATOR LABOR					
Self-Propelled	hour	16.54	0.3303	5.46	_____
LA Hired Labor					
Tractors	hour	13.67	0.6505	8.90	_____
LA Irrigation Labor					
Irrigation System 2	hour	13.67	0.2074	2.86	_____
DIESEL FUEL					
Tractors	gal	4.00	6.6287	26.51	_____
Self-Propelled	gal	4.00	2.5825	10.33	_____
Irrigation System 2	gal	4.00	35.4660	141.86	_____
REPAIR & MAINTENANCE					
Implements	acre	4.73	1.0000	4.73	_____
Tractors	acre	4.64	1.0000	4.64	_____
Self-Propelled	acre	14.53	1.0000	14.53	_____
Irrigation System 2	acre	3.61	1.0000	3.61	_____
INTEREST ON OP. CAP.	acre	27.22	1.0000	27.22	_____

TOTAL DIRECT EXPENSES				862.24	_____
FIXED EXPENSES					
Implements	acre	11.70	1.0000	11.70	_____
Tractors	acre	32.20	1.0000	32.20	_____
Self-Propelled	acre	24.43	1.0000	24.43	_____
Irrigation System 2	acre	40.68	1.0000	40.68	_____

TOTAL FIXED EXPENSES				109.01	_____

TOTAL SPECIFIED EXPENSES				971.25	_____

Table 5.B Estimated resource use and costs for field operations, per acre, Rice, Hybrid Variety, Drill Planted,
(In Rotation), Southwest Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Disk Harrow	32'	4WD 300	0.061	1.00	Nov	4.51	5.11	1.39	3.33	0.06	0.84				15.18	
LA Hybrid Rice Seed	acre											1.0000	180.00	180.00	180.00	
Seed Tmt	oz											3.6000	0.30	1.08	1.08	
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	7.36	8.33	0.15	0.41	0.10	1.37				17.62	
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	3.79	3.56	0.19	0.18	0.10	1.45				9.17	
Ditcher		MFWD 150	0.020	1.00	Nov	0.72	0.67	0.07	0.11	0.02	0.27				1.84	
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	3.43	3.89	0.69	3.31	0.04	0.64				11.96	
App Fert by Air	cwt			1.00	Feb							1.5000	7.50	11.25	11.25	
LA Nitrogen	lb											75.0000	0.78	58.50	58.50	
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	0.90	36.00	36.00	
LA Potash	lb											60.0000	0.67	40.20	40.20	
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35	
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	3.38	3.17	1.61	3.50	0.18	2.58				14.24	
Ditcher		MFWD 150	0.020	1.00	Apr	0.72	0.67	0.07	0.11	0.02	0.27				1.84	
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	3.79	3.56	0.19	0.18	0.10	1.45				9.17	
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	0.89	0.84	0.13	0.20	0.02	0.34				2.40	
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	2.15	2.02	0.13	0.16	0.05	0.82				5.28	
Command 3ME	pt											0.8000	18.00	14.40	14.40	
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60	
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	7.60	7.60	7.60	
Permit 75DF	oz											1.0000	20.07	20.07	20.07	
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	0.78	58.50	58.50	
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35	
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60	
Stratego	pt											0.7100	23.93	16.99	16.99	
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35	
App by Air (5 gal)	appl			1.00	Jul							1.0000	7.60	7.60	7.60	
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	24.86	24.43			0.33	5.46				54.75	
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.41	0.38	0.11	0.21	0.01	0.16				1.27	
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			145.47	40.68	0.20	2.86	1.0000			189.01	
						-----	-----	-----	-----	-----	-----				-----	-----
TOTALS						56.01	56.63	150.20	52.38	1.28	18.51			610.30		944.03
INTEREST ON OPERATING CAPITAL																27.22
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																971.25

Table 5.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Hybrid Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	64.0	-23	23	69	115	161	207	253	299	345
85%	68.0	28	78	127	176	225	274	323	373	422
90%	72.0	80	132	184	237	289	341	394	446	499
95%	76.0	131	186	242	297	353	409	464	520	575
100%	80.0	182	241	300	358	417	476	535	593	652
105%	84.0	233	295	357	419	481	543	605	667	729
110%	88.0	284	350	415	480	545	610	675	741	806
115%	92.0	336	404	472	541	609	677	746	814	883
120%	96.0	387	458	530	601	673	745	816	888	959

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	64.0	-132	-86	-40	6	52	98	144	190	236
85%	68.0	-81	-31	18	67	116	165	214	264	313
90%	72.0	-29	23	75	128	180	232	285	337	390
95%	76.0	22	77	133	188	244	300	355	411	466
100%	80.0	73	132	190	249	308	367	426	484	543
105%	84.0	124	186	248	310	372	434	496	558	620
110%	88.0	175	241	306	371	436	501	566	632	697
115%	92.0	227	295	363	432	500	568	637	705	774
120%	96.0	278	349	421	492	564	636	707	779	850

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
		(\$/acre)								
80%	64.0	-102	-69	-37	-5	27	59	91	124	156
85%	68.0	-66	-31	3	37	72	106	141	175	210
90%	72.0	-30	7	43	80	117	153	190	227	263
95%	76.0	6	45	84	123	161	200	239	278	317
100%	80.0	42	83	124	165	206	247	289	330	371
105%	84.0	78	121	164	208	251	294	338	381	425
110%	88.0	113	159	205	250	296	342	387	433	478
115%	92.0	149	197	245	293	341	389	436	484	532
120%	96.0	185	235	285	335	385	436	486	536	586

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
		(\$/acre)								
80%	64.0	-170	-138	-106	-73	-41	-9	23	55	87
85%	68.0	-134	-100	-65	-31	4	38	72	107	141
90%	72.0	-98	-62	-25	12	48	85	122	158	195
95%	76.0	-62	-24	15	54	93	132	171	210	249
100%	80.0	-27	15	56	97	138	179	220	261	303
105%	84.0	9	53	96	139	183	226	270	313	356
110%	88.0	45	91	136	182	228	273	319	364	410
115%	92.0	81	129	177	225	272	320	368	416	464
120%	96.0	117	167	217	267	317	367	417	467	518

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, 2023.

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	0.78	55.0000	42.90	_____
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	16.54	0.3303	5.46	_____
LA Hired Labor					
Tractors	hour	13.67	0.0820	1.12	_____
LA Irrigation Labor					
Irrigation System 3	hour	13.67	0.0861	1.17	_____
DIESEL FUEL					
Tractors	gal	4.00	0.6332	2.53	_____
Self-Propelled	gal	4.00	2.5825	10.33	_____
Irrigation System 3	gal	4.00	13.1355	52.54	_____
REPAIR & MAINTENANCE					
Implements	acre	0.24	1.0000	0.24	_____
Tractors	acre	0.41	1.0000	0.41	_____
Self-Propelled	acre	14.53	1.0000	14.53	_____
INTEREST ON OP. CAP.	acre	2.87	1.0000	2.87	_____

TOTAL DIRECT EXPENSES				185.10	_____
FIXED EXPENSES					
Implements	acre	0.33	1.0000	0.33	_____
Tractors	acre	2.75	1.0000	2.75	_____
Self-Propelled	acre	24.43	1.0000	24.43	_____

TOTAL FIXED EXPENSES				27.51	_____

TOTAL SPECIFIED EXPENSES				212.61	_____

Table 6.B Estimated resource use and costs for field operations, per acre, Rice, Ratoon Crop, Southwest Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Blade-Scraper	10'	MFWD 150	1.176	0.06	Aug	2.53	2.37	0.13	0.12	0.07	0.96				6.11
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	0.78	42.90	42.90
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
LA Rice Combine-2	25 ft		0.300	1.00	Oct	24.86	24.43			0.33	5.46				54.75
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Oct	0.41	0.38	0.11	0.21	0.01	0.16				1.27
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			52.54		0.08	1.17	1.0000			53.71
TOTALS						27.80	27.18	52.78	0.33	0.49	7.75			93.90	209.74
INTEREST ON OPERATING CAPITAL															2.87
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															212.61

Table 6.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Ratoon Crop,
Southwest Louisiana, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	18.4	56	69	83	96	109	122	135	149	162
85%	19.6	71	85	99	113	127	142	156	170	184
90%	20.7	86	101	116	131	146	161	176	191	206
95%	21.9	100	116	132	148	164	180	196	212	228
100%	23.0	115	132	149	166	183	200	216	233	250
105%	24.2	130	148	165	183	201	219	237	255	272
110%	25.3	145	163	182	201	219	238	257	276	294
115%	26.5	159	179	199	218	238	258	277	297	316
120%	27.6	174	195	215	236	256	277	297	318	339

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	18.4	29	42	55	68	82	95	108	121	134
85%	19.6	43	58	72	86	100	114	128	142	156
90%	20.7	58	73	88	103	118	133	148	164	179
95%	21.9	73	89	105	121	137	153	169	185	201
100%	23.0	88	104	121	138	155	172	189	206	223
105%	24.2	102	120	138	156	174	191	209	227	245
110%	25.3	117	136	154	173	192	211	229	248	267
115%	26.5	132	151	171	191	210	230	250	269	289
120%	27.6	146	167	188	208	229	249	270	290	311

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	18.4	45	55	64	73	82	92	101	110	119
85%	19.6	56	66	75	85	95	105	115	125	135
90%	20.7	66	76	87	98	108	119	129	140	150
95%	21.9	76	87	99	110	121	132	143	155	166
100%	23.0	87	98	110	122	134	146	157	169	181
105%	24.2	97	109	122	134	147	159	172	184	197
110%	25.3	107	120	133	146	160	173	186	199	212
115%	26.5	117	131	145	159	172	186	200	214	228
120%	27.6	128	142	157	171	185	200	214	229	243

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	18.4	18	27	36	46	55	64	73	83	92
85%	19.6	28	38	48	58	68	78	87	97	107
90%	20.7	38	49	59	70	81	91	102	112	123
95%	21.9	49	60	71	82	93	105	116	127	138
100%	23.0	59	71	83	94	106	118	130	142	154
105%	24.2	69	82	94	107	119	132	144	157	169
110%	25.3	80	93	106	119	132	145	158	171	185
115%	26.5	90	104	117	131	145	159	172	186	200
120%	27.6	100	115	129	143	158	172	187	201	215

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, 2023.

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	7.60	4.0000	30.40	_____
GIN/DRY					
LARice Dry	cwt	0.90	78.0000	70.20	_____
FERTILIZERS					
LA Nitrogen	lb	0.78	170.0000	132.60	_____
FUNGICIDES					
Quadris	oz	6.73	10.0000	67.30	_____
HERBICIDES					
Command 3ME	pt	18.00	0.8000	14.40	_____
Permit 75DF	oz	20.07	1.0000	20.07	_____
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	0.33	90.0000	29.70	_____
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	13.67	0.0942	1.29	_____
LA OPERATOR LABOR					
Self-Propelled	hour	16.54	0.3303	5.46	_____
LA Hired Labor					
Tractors	hour	13.67	0.8249	11.28	_____
LA Irrigation Labor					
Irrigation System 5	hour	13.67	0.4361	5.96	_____
DIESEL FUEL					
Tractors	gal	4.00	7.9039	31.61	_____
Self-Propelled	gal	4.00	2.5825	10.33	_____
Irrigation System 5	gal	4.00	28.5331	114.15	_____
REPAIR & MAINTENANCE					
Implements	acre	7.75	1.0000	7.75	_____
Tractors	acre	5.44	1.0000	5.44	_____
Self-Propelled	acre	14.53	1.0000	14.53	_____
Irrigation System 5	acre	2.17	1.0000	2.17	_____
INTEREST ON OP. CAP.	acre	13.92	1.0000	13.92	_____

TOTAL DIRECT EXPENSES				664.20	_____
FIXED EXPENSES					
Implements	acre	19.12	1.0000	19.12	_____
Tractors	acre	37.91	1.0000	37.91	_____
Self-Propelled	acre	24.43	1.0000	24.43	_____
Irrigation System 5	acre	15.49	1.0000	15.49	_____

TOTAL FIXED EXPENSES				96.95	_____

TOTAL SPECIFIED EXPENSES				761.15	_____

Table 7.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Drill Plant, Conventional Tillage, (In Rotation), Northeast Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	32'	4WD 300	0.061	1.00	Nov	4.51	5.11	1.39	3.33	0.06	0.84				15.18
Ditcher		MFWD 150	0.020	2.00	Nov	1.44	1.35	0.14	0.21	0.04	0.55				3.69
Disk Harrow	28'	MFWD 190	0.070	2.00	Mar	6.44	6.70	2.91	6.98	0.14	1.92				24.95
Irrigation System 5					Mar										
Ditcher		MFWD 150	0.020	1.00	Mar	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Field Cultivate	32'	4WD 300	0.046	1.00	Mar	3.43	3.89	0.69	3.31	0.04	0.64				11.96
LARice Levee Plow	8 ft	MFWD 190	0.050	4.00	Mar	9.17	9.55	0.31	0.82	0.20	2.73				22.58
App Fert by Air	cwt			1.00	Apr							0.4000	9.00	3.60	3.60
LA Nitrogen	lb											20.0000	0.78	15.60	15.60
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	3.38	3.17	1.61	3.50	0.18	2.58				14.24
Rice Seed Conv.	lb											90.0000	0.33	29.70	29.70
Ditcher		MFWD 150	0.020	1.00	Apr	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	3.79	3.56	0.19	0.18	0.10	1.45				9.17
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	0.89	0.84	0.13	0.20	0.02	0.34				2.40
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	2.15	2.02	0.13	0.16	0.05	0.82				5.28
Command 3ME	pt											0.8000	18.00	14.40	14.40
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
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	7.60	7.60	7.60
Permit 75DF	oz											1.0000	20.07	20.07	20.07
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	0.78	70.20	70.20
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	0.78	46.80	46.80
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
Quadris	oz											10.0000	6.73	67.30	67.30
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jul							1.0000	7.60	7.60	7.60
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	24.86	24.43			0.33	5.46				54.75
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.41	0.38	0.11	0.21	0.01	0.16				1.27
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			116.32	15.49	0.43	5.96	1.0000			137.77
TOTALS						61.91	62.34	124.07	34.61	1.68	23.99			440.31	747.23
INTEREST ON OPERATING CAPITAL															13.92
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															761.15

Table 7.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	59.2	111	153	196	239	282	324	367	410	452
85%	62.9	158	204	249	295	341	387	432	478	524
90%	66.6	205	254	303	351	400	449	497	546	595
95%	70.3	253	304	356	408	459	511	562	614	666
100%	74.0	300	355	409	464	518	573	628	682	737
105%	77.7	348	405	463	520	578	635	693	750	808
110%	81.4	395	455	516	576	637	697	758	818	879
115%	85.1	442	506	569	633	696	759	823	886	950
120%	88.8	490	556	622	689	755	822	888	954	1021

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	59.2	14	57	99	142	185	227	270	313	356
85%	62.9	61	107	153	198	244	290	335	381	427
90%	66.6	109	157	206	254	303	352	400	449	498
95%	70.3	156	207	259	311	362	414	465	517	569
100%	74.0	203	258	312	367	421	476	531	585	640
105%	77.7	251	308	366	423	481	538	596	653	711
110%	81.4	298	358	419	479	540	600	661	721	782
115%	85.1	345	409	472	536	599	663	726	789	853
120%	88.8	393	459	525	592	658	725	791	857	924

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	59.2	20	50	80	110	139	169	199	229	259
85%	62.9	53	85	117	149	181	213	245	277	309
90%	66.6	86	120	154	188	222	256	290	324	359
95%	70.3	119	155	192	228	264	300	336	372	408
100%	74.0	152	191	229	267	305	343	382	420	458
105%	77.7	186	226	266	306	347	387	427	467	508
110%	81.4	219	261	303	346	388	430	473	515	557
115%	85.1	252	296	341	385	430	474	518	563	607
120%	88.8	285	332	378	425	471	517	564	610	657

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	59.2	-62	-32	-2	28	58	88	118	148	178
85%	62.9	-28	4	36	67	99	131	163	195	227
90%	66.6	5	39	73	107	141	175	209	243	277
95%	70.3	38	74	110	146	182	218	255	291	327
100%	74.0	71	109	147	186	224	262	300	338	377
105%	77.7	104	144	185	225	265	305	346	386	426
110%	81.4	137	180	222	264	307	349	391	434	476
115%	85.1	170	215	259	304	348	393	437	481	526
120%	88.8	204	250	297	343	390	436	482	529	575

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,
Northeast Louisiana, 2023.

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	7.60	5.0000	38.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	82.1000	73.89	_____
FERTILIZERS					
LA Nitrogen	lb	0.78	170.0000	132.60	_____
FUNGICIDES					
Quadris	oz	6.73	10.0000	67.30	_____
HERBICIDES					
Newpath 2SL	oz	4.15	8.0000	33.20	_____
Aim 2EC	oz	4.90	1.6000	7.84	_____
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	1.14	75.0000	85.50	_____
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	13.67	0.0942	1.29	_____
LA OPERATOR LABOR					
Self-Propelled	hour	16.54	0.3303	5.46	_____
LA Hired Labor					
Tractors	hour	13.67	0.7537	10.30	_____
LA Irrigation Labor					
Irrigation System 5	hour	13.67	0.4361	5.96	_____
DIESEL FUEL					
Tractors	gal	4.00	6.7604	27.04	_____
Self-Propelled	gal	4.00	2.5825	10.33	_____
Irrigation System 5	gal	4.00	28.5331	114.15	_____
REPAIR & MAINTENANCE					
Implements	acre	7.62	1.0000	7.62	_____
Tractors	acre	4.55	1.0000	4.55	_____
Self-Propelled	acre	14.53	1.0000	14.53	_____
Irrigation System 5	acre	2.17	1.0000	2.17	_____
INTEREST ON OP. CAP.	acre	15.57	1.0000	15.57	_____

TOTAL DIRECT EXPENSES				734.09	_____
FIXED EXPENSES					
Implements	acre	19.02	1.0000	19.02	_____
Tractors	acre	31.79	1.0000	31.79	_____
Self-Propelled	acre	24.43	1.0000	24.43	_____
Irrigation System 5	acre	15.49	1.0000	15.49	_____

TOTAL FIXED EXPENSES				90.73	_____

TOTAL SPECIFIED EXPENSES				824.82	_____

Table 8.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Drill Plant, Conventional Tillage, (In Rotation), Northeast Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	28'	MFWD 190	0.070	1.00	Nov	3.21	3.35	1.46	3.49	0.07	0.96				12.47
Ditcher		MFWD 150	0.020	1.00	Nov	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Disk Harrow	28'	MFWD 190	0.070	2.00	Mar	6.44	6.70	2.91	6.98	0.14	1.92				24.95
Irrigation System 5					Mar										
Ditcher		MFWD 150	0.020	1.00	Mar	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Field Cultivate	32'	MFWD 190	0.046	1.00	Mar	2.14	2.23	0.69	3.31	0.04	0.64				9.01
LARice Levee Plow	8 ft	MFWD 190	0.050	4.00	Mar	9.17	9.55	0.31	0.82	0.20	2.73				22.58
App Fert by Air	cwt			1.00	Apr							0.4000	9.00	3.60	3.60
LA Nitrogen	lb											20.0000	0.78	15.60	15.60
LARice GPS Charge_NE acre												1.0000	0.25	0.25	0.25
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	3.38	3.17	1.61	3.50	0.18	2.58				14.24
Rice Clearfield 161	lb											75.0000	1.14	85.50	85.50
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	3.79	3.56	0.19	0.18	0.10	1.45				9.17
Ditcher		MFWD 150	0.020	1.00	Apr	0.72	0.67	0.07	0.11	0.02	0.27				1.84
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	0.89	0.84	0.13	0.20	0.02	0.34				2.40
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
Newpath 2SL	oz											4.0000	4.15	16.60	16.60
LARice GPS Charge_NE acre												1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
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	7.60	7.60	7.60
Newpath 2SL	oz											4.0000	4.15	16.60	16.60
Aim 2EC	oz											1.6000	4.90	7.84	7.84
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	0.78	70.20	70.20
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	0.78	46.80	46.80
LARice GPS Charge_NE acre												1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
Quadris	oz											10.0000	6.73	67.30	67.30
LARice GPS Charge_NE acre												1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jul							1.0000	7.60	7.60	7.60
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	24.86	24.43			0.33	5.46				54.75
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.41	0.38	0.11	0.21	0.01	0.16				1.27
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			116.32	15.49	0.43	5.96	1.0000			137.77
						56.45	56.22	123.94	34.51	1.61	23.01				809.25
TOTALS															
INTEREST ON OPERATING CAPITAL															
UNALLOCATED LABOR															
TOTAL SPECIFIED COST															

Table 8.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	59.2	42	85	127	170	212	255	297	340	382
85%	62.9	90	135	181	226	272	317	363	408	454
90%	66.6	137	185	234	282	331	379	428	476	525
95%	70.3	184	236	287	339	390	441	493	544	596
100%	74.0	232	286	340	395	449	504	558	612	667
105%	77.7	279	336	394	451	508	566	623	680	738
110%	81.4	326	387	447	507	568	628	688	748	809
115%	85.1	374	437	500	564	627	690	753	817	880
120%	88.8	421	487	554	620	686	752	818	885	951

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	59.2	-48	-6	37	79	122	164	207	249	292
85%	62.9	-1	44	90	135	181	226	272	317	363
90%	66.6	46	95	143	192	240	289	337	385	434
95%	70.3	94	145	196	248	299	351	402	453	505
100%	74.0	141	195	250	304	358	413	467	522	576
105%	77.7	188	246	303	360	418	475	532	590	647
110%	81.4	236	296	356	417	477	537	597	658	718
115%	85.1	283	346	410	473	536	599	663	726	789
120%	88.8	330	397	463	529	595	661	728	794	860

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	59.2	-48	-18	12	42	71	101	131	161	190
85%	62.9	-14	17	49	81	113	145	177	208	240
90%	66.6	19	53	86	120	154	188	222	256	290
95%	70.3	52	88	124	160	196	232	268	304	340
100%	74.0	85	123	161	199	237	275	313	351	389
105%	77.7	118	158	198	239	279	319	359	399	439
110%	81.4	151	193	236	278	320	362	404	447	489
115%	85.1	184	229	273	317	362	406	450	494	539
120%	88.8	218	264	310	357	403	449	496	542	588

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, 2023.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$12.80	\$13.60	\$14.40	\$15.20	\$16.00	\$16.80	\$17.60	\$18.40	\$19.20
----- (\$/acre) -----										
80%	59.2	-123	-93	-63	-34	-4	26	56	85	115
85%	62.9	-90	-58	-26	6	38	69	101	133	165
90%	66.6	-57	-23	11	45	79	113	147	181	215
95%	70.3	-23	13	49	85	121	156	192	228	264
100%	74.0	10	48	86	124	162	200	238	276	314
105%	77.7	43	83	123	163	203	244	284	324	364
110%	81.4	76	118	160	203	245	287	329	371	414
115%	85.1	109	153	198	242	286	331	375	419	463
120%	88.8	142	189	235	281	328	374	420	467	513

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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
-----dollars-----										
Underground Pipe 1	each								13.64	13.64
Gearhead 1	each								2.35	2.35
Engine 1	each								9.37	9.37
Application 1	Ac-in	21.02	0.60	0.47			1.18	23.27		23.27
Application 2	Ac-in	21.02	0.60	0.47			1.06	23.15		23.15
Application 3	Ac-in	26.27	0.75	0.59			1.18	28.79		28.79
Application 4	Ac-in	31.53	0.90	0.71			1.24	34.38		34.38
Application 5	Ac-in	31.53	0.90	0.71			1.06	34.20		34.20
Well 1	each								7.91	7.91
Pump 1	each								7.41	7.41
TOTALS		0.00	131.37	3.75	2.95	0.00	5.72	143.79	40.68	184.47

Note: Total irrigation application of 25 acre-inches.

Appendix Table 2. Rice Irrigation System 2 Costs, Drill Planted, Southwest Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
-----dollars-----										
Pump 2	each								7.41	7.41
Gearhead 2	each								2.35	2.35
Engine 2	each								9.37	9.37
Application 1	Ac-in	15.76	0.40	0.32			0.88	17.36		17.36
Application 2	Ac-in	15.76	0.40	0.32			0.88	17.36		17.36
Application 3	Ac-in	26.27	0.67	0.53			1.32	28.79		28.79
Application 4	Ac-in	26.27	0.67	0.53			1.17	28.64		28.64
Application 5	Ac-in	31.53	0.80	0.63			1.23	34.19		34.19
Application 6	Ac-in	26.27	0.67	0.53			0.88	28.35		28.35
Well 2	each								7.91	7.91
Underground Pipe 2	each								13.64	13.64
TOTALS		0.00	141.86	3.61	2.86	0.00	6.36	154.69	40.68	195.37

Note: Total irrigation application of 28 acre-inches.

Appendix Table 3. Rice Irrigation System 3 Costs, Ratoon Crop, Southwest Louisiana, 2023.

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	36.78		0.82			1.00	38.60		38.60
Application 2	Ac-in	15.76		0.35			0.34	16.45		16.45
TOTALS		0.00	52.54	0.00	1.17	0.00	1.34	55.05	0.00	55.05

Note: Total irrigation application of 10 acre-inches.

Appendix Table 4. Rice Irrigation System 5 Costs, Drill Planted, Northeast Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
-----dollars-----										
Engine 3	each								4.56	4.56
Application 1	Ac-in	11.05	0.21	0.58			0.57	12.41		12.41
Application 2	Ac-in	11.05	0.21	0.58			0.57	12.41		12.41
Application 3	Ac-in	18.41	0.35	0.96			0.84	20.56		20.56
Application 4	Ac-in	18.41	0.35	0.96			0.74	20.46		20.46
Application 5	Ac-in	36.82	0.70	1.92			1.26	40.70		40.70
Application 6	Ac-in	18.41	0.35	0.96			0.53	20.25		20.25
Pump 3	each								3.91	3.91
Underground Pipe 3	each								3.14	3.14
Well 3	each								2.64	2.64
Gearhead 3	each								1.24	1.24
TOTALS		0.00	114.15	2.17	5.96	0.00	4.51	126.79	15.49	142.28

Note: Total irrigation application of 31 acre-inches

Appendix Table 5. Operating Inputs: Estimated Prices for 2023.

ITEM NAME	UNIT	PRICE
dollars		
ADJUVANTS		
Surfactant	pt	3.30
CUSTOM FERT/LIME		
Lime (Spread)	ton	59.00
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
LA Rice Haul	cwt	0.30
CUSTOM PLANT		
Custom Spread + Seed	appl	0.00
LA Rice 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	6.40
App by Air (5 gal)	appl	7.60
App by Air (10 gal)	appl	9.70
App Furadan by Air	appl	0.00
App Ordram by Air	appl	0.00
Custom Terragator	acre	5.00
LA Rice GPS Charge-SW	acre	0.35
LA Rice 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	50.00
Anhy Ammonia (82% N)	cwt	28.00
Boron (Solubor)	lb	0.75
Crop Oil (Seed Oil)	pt	2.90
DAP	cwt	55.40
Fert 10-34-0	cwt	45.99
Fert 10-34-0	gal	5.36
Fert 13-13-13	cwt	0.00
Fert 41-0-0-4	cwt	37.06
Fert 5-20-20	cwt	0.00
Haul Corn	bu	0.23
Haul Cotton	lb	0.02
LA Nitrogen	lb	0.78
LA Phosphate	lb	0.90
LA Potash	lb	0.67
Phosphorus (46% P2O5)	cwt	50.00
Potash (60% K2O)	cwt	46.61
Sulfur	lb	0.34
UAN (32% N)	cwt	38.90
UAN + Sulfur (28% N)	cwt	14.49
Urea, Solid (46% N)	cwt	28.63
Zinc	lb	0.50
FUNGICIDES		
Apron Maxx RTA	oz	1.00
Apron XL	oz	6.98
Apron XL LS	oz	5.27
Benlate 50 WP	lb	15.95
Captan 4L	pt	2.83
Captan 50 WP	lb	6.13
Crop Oil (Petroleum)	pt	2.90
Cruiser 5FS	oz	0.90
Delta Coat AD	oz	3.75
Dithane F-45	qt	7.81
Dithane Rainsheild	lb	4.08
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
Orbit	oz	2.75
Prevail	lb	28.50
Quadris	oz	6.73
Ridomil GoldPC 10G	lb	2.08

Appendix Table 5. Operating inputs: estimated prices Louisiana, 2023.

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	23.93
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	1.00
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
LARice Dry	cwt	0.90
GROWTH REGULATORS		
Early Harvest PGR	oz	1.55
LA Polado	oz	0.46
Mepex	oz	0.09
PGR IV	oz	1.55
Pix Plus	oz	0.40
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	12.50
Dropp 50 WP	lb	45.45
Dropp SC	oz	1.56
Ethephon 6E	pt	3.56
Finish 6	pt	11.74
Folex 6EC	pt	12.50
Ginstar EC	pt	29.72
Gramoxone Extra	pt	4.86
Gramoxone Inteon	oz	0.19
Gramoxone Max	pt	4.16
Harvade 5F	oz	0.67
Leafless	pt	18.56
Prep	pt	3.84
Sodium Chlorate 3L	gal	3.50
Solium Chlorate 6L	gal	6.77
HERBICIDES		
2,4-D Amine 4	pt	3.25
2,4-D Ester	pt	5.03
AAtrex 4L	pt	2.62
AAtrex NINE-O	lb	3.96
Accent Gold	oz	6.12
Accent SP	oz	31.94
Aim 2EC	oz	4.90
Aim DF	oz	9.65
App Fert by Air	cwt	7.00
Arrosolo	qt	7.88
Assure II	oz	0.74
Atrazine 4L	pt	3.15
Atrazine 90DF	lb	4.50
Authority 75DF	lb	26.95
Axiom 68DF	lb	25.74
Backdraft	pt	2.40
Banvel	pt	4.81
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, 2023.

ITEM NAME	UNIT	PRICE
		dollars
HERBICIDES CONT'D		
Bicep II zmsgnum	qt	11.18
Bladex 4L	qt	0.00
Bladex 90DF	lb	0.00
Blazer 2L	pt	0.00
Blazer Ultra	pt	9.79
Boa	pt	3.63
Bolero 8EC	pt	7.73
Boundary	pt	11.07
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	4.06
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	14.30
Classic	oz	18.50
Clincher EC	oz	2.09
Cobra 2EC	oz	1.23
Command 3ME	pt	18.00
Command XTRA	pt	0.00
Conclude Ultra	pt	0.00
Conclude Ultra	pt	0.00
Conclude XACT	pt	11.32
Conclude XTRA	pt	8.32
Cornerstone	pt	2.50
Cotoran 4L	pt	6.37
Cotoran DF	lb	7.92
Cotton Pro Flowable	pt	3.75
Crossbow	pt	8.05
Delta Goal	pt	9.44
Denim 0.16 EC	pt	24.06
Detail	pt	7.99
Direx 4L	pt	3.02
Direx 80 DF	lb	6.20
Diuron 4L	pt	3.25
Diuron 80 DF	lb	5.50
Domain 60DF	lb	12.75
DSMA 4	pt	0.90
Dual 8E	pt	0.00
Dual II Magnum	pt	11.60
Dual Magnum	pt	11.45
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	6.88
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	1.19
Fusion	pt	29.86
Glyfos	pt	1.80
Glyphomax	pt	3.49
Glyphosate Plus 4L	pt	4.95
Glystar Plus	pt	2.17
Goal 2XL	pt	8.75
Gramoxone Extra	pt	0.00
Gramoxone Max	pt	3.00
Gramoxone Max	pt	3.00
Grandstand R	qt	18.68
Guardzman	pt	4.66
Guardzman Max	pt	7.22
Harmony Extra	oz	10.34

Appendix Table 5. Operating Inputs: Estimated Prices for 2023.

ITEM NAME	UNIT	PRICE
		dollars
HERBICIDES CONT'D		
Hoelon 3EC	pt	11.03
Karmex DF	lb	5.93
LA Asulox/Asulam	gal	53.26
LA Weedmaster	qt	10.00
Lariat	qt	7.58
Lasso 4EC	qt	6.60
Lasso II 15G	lb	0.00
Layby Pro	qt	3.87
Lexone 75DF	lb	18.90
Liberty	pt	8.84
Lightning	oz	14.25
Lightning	oz	14.25
Linex 4L	pt	9.28
Londax 60DF	oz	18.08
Lorox 50DF	lb	24.12
Matador	pt	0.00
MSMA 6.6	pt	6.35
MSMA6 + Surfactant	pt	6.35
Newpath 2SL	oz	4.15
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	20.07
Poast 1.53	pt	12.77
Poast Plus	pt	9.69
Propanil 4E	qt	5.15
Prowl 3.3 EC	pt	6.63
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	6.25
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	0.87
Sencor 4F	pt	14.74
Sencor DF	lb	17.78
Squadron CE	pt	12.50
Stam 4E	qt	7.72
Stam 80 EDF	lb	9.45
Staple 85%	oz	16.01
Staple Plus	oz	8.55
Steadfast	oz	12.26
Steel	pt	10.28
Storm	pt	12.65
Strongarm	oz	56.42
Superwham	qt	9.82
Suprend	lb	13.52
Surpass 20G	lb	2.36
Surpass EC	qt	26.36
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	3.50
Trilin 10G	lb	0.79
Trilin 4EC	pt	2.12
Typhoon	qt	13.06
Valor WP	oz	3.20
Whip 360	pt	25.08

Appendix Table 5. Operating Inputs: Estimated Prices for 2023.

ITEM NAME	UNIT	PRICE
		dollars
INSECTICIDES		
Acephate 80SP	lb	0.00
Acephate 90SP	lb	6.62
Admire 2 Flowable	oz	4.78
Ammo 2.5 EC	oz	0.85
App Fert by Air (Min)	appl	7.50
Asana .66 XL	oz	0.58
Aztec 2.1% G	lb	3.88
Baythroid 2	oz	2.58
Belt	oz	7.00
Besiege	oz	2.75
Bidrin 8L	oz	1.43
Brigade EC	pt	9.60
Brigade WSB	lb	26.04
Capture 2EC	oz	2.28
Carbamate	oz	0.00
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
Custom Apply Fert	acre	7.00
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	19.52
Dimethoate 4E	pt	6.45
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
Gaucha 480	oz	5.80
Intrepid 2F	oz	1.94
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	1.17
Organophosphate	oz	0.00
Orthene 90S	lb	7.00
Orthene 97	lb	11.66
Ovasyn	pt	0.00
Ovicide	oz	0.00
Pennacap M	pt	6.71
Phaser 3E	qt	8.13
Pirate 3SC	oz	0.00
Pounce 25WP	lb	19.52
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 2023.

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	3.13
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	3.75
Corn Seed BtRR	thous	3.75
Corn Seed Conv.	thous	2.36
Corn Seed RR	thous	3.38
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 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/RRF	thous	0.59
Rice Clearfield 161	lb	1.14
Rice Clearfield XL8	lb	6.12
Rice Seed (Levees)	lb	0.90
Rice Seed CF(Levees)	lb	0.95
Rice Seed Conv.	lb	0.33
Rice Seed Hybrid	lb	5.66
SC Cultured seedcane	acre	665.00
Sorghum Concept	lb	2.42
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	1.16
Soybean Seed Stack	lb	1.28
Wheat Seed Private	lb	0.38
Wheat Seed Public	lb	0.00
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 2023.

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 2023.

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	16.54	49.40	16.82	82.76	74.02	156.79
Combine (250-299 hp)	275hp	463,000	300	8	14.15	16.54	56.60	48.22	121.36	212.16	333.53
Combine (250-299hp)	Grass295hp	218,222	300	8	15.18	16.54	60.72	22.73	99.99	99.99	199.99
Combine (300-349 hp)	325hp	468,000	300	8	16.73	16.54	66.92	48.75	132.21	214.45	346.66
Combine (350-379 hp)	370hp	500,000	300	8	19.04	16.54	76.16	52.08	144.78	229.12	373.90
Cotton Stripper	173hp	170,000	200	8	8.08	16.54	32.32	26.56	75.42	116.85	192.27
Tractor(40-59hp)Cab	2WD 50	34,600	600	8	2.57	13.67	10.29	1.08	25.04	7.36	32.40
Tractor(40-59hp)Cab	MFWD 50	47,000	600	8	2.57	13.67	10.29	1.46	25.43	10.00	35.43
Tractor(40-59hp)RB	2WD 50	30,900	600	8	2.57	13.67	10.29	0.96	24.93	6.57	31.50
Tractor(40-59hp)RB	MFWD 50	31,400	600	8	2.57	13.67	10.29	0.98	24.94	6.68	31.62
Tractor(60-89hp)CAB	2WD 75	64,300	600	8	3.86	13.67	15.44	2.00	31.12	13.68	44.80
Tractor(60-89hp)CAB	MFWD 75	72,000	600	8	3.86	13.67	15.44	2.25	31.36	15.32	46.68
Tractor(60-89hp)RB	2WD 75	54,100	600	8	3.86	13.67	15.44	1.69	30.80	11.51	42.31
Tractor(60-89hp)RB	MFWD 75	48,100	600	8	3.86	13.67	15.44	1.50	30.61	10.23	40.85
Tractor(90-119hp)CB	2WD 105	83,900	600	8	5.40	13.67	21.61	2.62	37.91	17.85	55.76
Tractor(90-119hp)CB	MFWD 105	104,000	600	8	5.40	13.67	21.61	3.25	38.53	22.13	60.67
Tractor(90-119hp)RB	2WD 105	73,400	600	8	5.40	13.67	21.61	2.29	37.58	15.62	53.20
Tractor(90-119hp)RB	MFWD 105	81,100	600	8	5.40	13.67	21.61	2.53	37.82	17.25	55.08
Tractor(120-139hp)CB	2WD 130	117,600	600	8	6.69	13.67	26.76	3.67	44.11	25.02	69.13
Tractor(120-139hp)CB	MFWD 130	133,300	600	8	6.69	13.67	26.76	4.16	44.60	28.36	72.97
Tractor(140-159hp)CB	2WD 150	131,200	600	8	7.72	13.67	30.88	4.10	48.65	27.92	76.57
Tractor(140-159hp)CB	MFWD 150	158,000	600	8	7.72	13.67	30.88	4.93	49.49	33.62	83.11
Tractor(160-179hp)CB	2WD 170	166,000	600	8	8.75	13.67	35.00	5.18	53.85	36.68	90.53
Tractor(160-179hp)CB	MFWD 170	186,000	600	8	8.75	13.67	35.00	5.81	54.48	41.10	95.58
Tractor(160-199hp)CB	Track 180	142,710	600	8	9.26	13.67	37.06	4.45	55.19	31.53	86.72
Tractor(180-199hp)CB	2WD 190	143,000	600	8	9.77	13.67	39.11	4.46	57.25	31.59	88.85
Tractor(180-199hp)CB	MFWD 190	216,000	600	8	9.77	13.67	39.11	6.75	59.53	47.72	107.26
Tractor(200-249hp)CB	4WD 225	147,066	600	8	11.58	13.67	46.32	4.59	64.59	32.49	97.08
Tractor(200-249hp)CB	MFWD 225	276,000	600	8	11.58	13.67	46.32	8.62	68.62	60.98	129.60
Tractor(200-249hp)CB	Track 225	277,000	600	8	11.58	13.67	46.32	8.65	68.65	61.20	129.86
Tractor(250-349hp)CB	4WD 300	377,000	600	8	15.44	13.67	61.76	11.78	87.21	83.30	170.52
Tractor(250-349hp)CB	Track 300	329,000	600	8	15.44	13.67	61.76	10.28	85.71	72.69	158.41
Tractor(350-449hp)CB	4WD 400	428,000	600	8	20.58	13.67	82.35	13.37	109.40	94.57	203.97
Tractor(350-449hp)CB	Track 400	547,000	600	8	20.58	13.67	82.35	17.09	113.11	120.87	233.99
Tractor(450-uphp)CB	TRACK-475	279,879	600	8	24.44	13.67	97.79	8.74	120.21	61.84	182.05

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 2023.

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	3.30	0.50	0.46	4.27	2.48	6.75
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	15.69	16.79	11.76	44.25	51.76	96.02
Cotton Picker-1st-BB	4R2X1260hp	317,399	200	8	13.33	0.172	5.20	9.18	8.54	22.93	37.59	60.53
Cotton Picker-1st-BB	4R30"250hp	262,000	200	8	12.86	0.327	9.89	16.85	13.40	40.14	58.95	99.10
Cotton Picker-1st-BB	4R30"325hp	350,000	200	8	18.01	0.327	9.89	23.58	17.90	51.37	78.76	130.13
Cotton Picker-1st-BB	4R38"255hp	268,000	200	8	13.12	0.257	7.78	13.53	10.79	32.11	47.48	79.60
Cotton Picker-1st-BB	4R38"325hp	351,000	200	8	18.01	0.257	7.78	18.57	14.13	40.49	62.19	102.68
Cotton Picker-1st-BB	5R30"255hp	285,000	200	8	12.86	0.261	7.91	13.47	11.66	33.04	51.30	84.35
Cotton Picker-1st-BB	5R38"250hp	284,601	200	8	12.86	0.207	6.25	10.66	9.21	26.13	40.53	66.67
Cotton Picker-1st-BB	6R30"325hp	465,000	200	8	18.27	0.218	6.59	15.94	15.85	38.40	69.75	108.15
Cotton Picker-1st-BB	6R38"330hp	465,000	200	8	18.27	0.172	5.20	12.59	12.51	30.31	55.07	85.39
Cotton Picker-1st-Tr	2R38"157hp	144,912	200	8	8.08	0.519	15.69	16.79	11.76	44.25	51.76	96.02
Cotton Picker-1st-Tr	4R2X1255hp	322,137	200	8	18.01	0.172	5.20	12.41	8.67	26.29	38.15	64.44
Cotton Picker-1st-Tr	4R30"250hp	261,825	200	8	12.86	0.327	9.89	16.85	13.39	40.13	58.91	99.05
Cotton Picker-1st-Tr	4R30"325hp	311,088	200	8	16.72	0.327	9.89	21.90	15.91	47.71	70.00	117.71
Cotton Picker-1st-Tr	4R38"255hp	268,000	200	8	13.12	0.257	7.78	13.53	10.79	32.11	47.48	79.60
Cotton Picker-1st-Tr	4R38"325hp	351,000	200	8	18.01	0.257	7.78	18.57	14.13	40.49	62.19	102.68
Cotton Picker-1st-Tr	5R30"255hp	285,303	200	8	13.12	0.261	7.91	13.74	11.67	33.33	51.36	84.69
Cotton Picker-1st-Tr	5R38"250hp	290,471	200	8	12.86	0.207	6.25	10.66	9.40	26.32	41.36	67.69
Cotton Picker-1st-Tr	6R30"325hp	465,000	200	8	16.72	0.218	6.59	14.60	15.85	37.05	69.75	106.81
Cotton Picker-1st-Tr	6R38"330hp	465,000	200	8	18.01	0.172	5.20	12.41	12.51	30.13	55.07	85.21
Cotton Picker-2nd-BB	2R38"157hp	144,912	200	8	8.08	0.440	13.29	14.22	9.96	37.49	43.84	81.33
Cotton Picker-2nd-BB	4R2x1260hp	322,187	200	8	18.01	0.145	4.40	10.51	7.34	22.27	32.32	54.59
Cotton Picker-2nd-BB	4R30"250hp	261,825	200	8	12.86	0.277	8.37	14.27	11.34	33.99	49.90	83.90
Cotton Picker-2nd-BB	4R30"325hp	311,088	200	8	16.72	0.277	8.37	18.55	13.47	40.41	59.29	99.71
Cotton Picker-2nd-BB	4R38"255hp	268,000	200	8	13.12	0.218	6.59	11.46	9.14	27.20	40.22	67.42
Cotton Picker-2nd-BB	4R38"325hp	351,000	200	8	18.01	0.218	6.59	15.72	11.97	34.30	52.68	86.98
Cotton Picker-2nd-BB	5R30"255hp	285,303	200	8	13.12	0.221	6.70	11.64	9.88	28.23	43.50	71.74
Cotton Picker-2nd-BB	5R38"250hp	284,601	200	8	12.86	0.175	5.30	9.03	7.80	22.14	34.33	56.47
Cotton Picker-2nd-BB	6R30"325hp	465,000	200	8	18.01	0.184	5.58	13.31	13.43	32.33	59.08	91.42
Cotton Picker-2nd-BB	6R38"330hp	465,000	200	8	18.01	0.145	4.40	10.51	10.60	25.52	46.64	72.17
Cotton Picker-2nd-Tr	2R38"157hp	144,912	200	8	8.08	0.440	13.29	14.22	9.96	37.49	43.84	81.33
Cotton Picker-2nd-Tr	4R2X1260hp	322,137	200	8	18.01	0.145	4.40	10.51	7.34	22.27	32.31	54.58
Cotton Picker-2nd-Tr	4R30"250hp	261,825	200	8	12.86	0.277	8.37	14.27	11.34	33.99	49.90	83.90
Cotton Picker-2nd-Tr	4R30"325hp	311,088	200	8	16.72	0.277	8.37	18.55	13.47	40.41	59.29	99.71
Cotton Picker-2nd-Tr	4R38"255hp	268,000	200	8	13.12	0.218	6.59	11.46	9.14	27.20	40.22	67.42
Cotton Picker-2nd-Tr	4R38"325hp	351,000	200	8	18.01	0.218	6.59	15.72	11.97	34.30	52.68	86.98
Cotton Picker-2nd-Tr	5R30"255hp	285,303	200	8	13.12	0.221	6.70	11.64	9.88	28.23	43.50	71.74
Cotton Picker-2nd-Tr	5R38"250hp	290,471	200	8	12.86	0.175	5.30	9.03	7.96	22.30	35.04	57.34
Cotton Picker-2nd-Tr	6R30"325hp	465,000	200	8	16.72	0.184	5.58	12.37	13.43	31.38	59.08	90.47
Cotton Picker-2nd-Tr	6R38"330hp	465,000	200	8	18.01	0.145	4.40	10.51	10.60	25.52	46.64	72.17
Cotton Picker/Module	6R-30(500)	854,000	200	8	25.73	0.218	6.59	22.46	29.12	58.18	128.11	186.29
LA Pickup Truck	1/2 ton	28,000	800	5	2.50	1.000	13.67	6.25	3.15	23.07	7.90	30.97
LA Rice Combine	25 ft	181,500	300	10	8.60	0.300	5.46	10.33	14.53	30.32	24.42	54.75
LA Rice Combine-2	25 ft	181,500	300	10	8.60	0.300	5.46	10.33	14.53	30.32	24.42	54.75
LARice Combine Med	20 ft	165,000	300	10	7.10	0.210	3.82	5.96	9.24	19.03	15.53	34.56
Levee Sprayer	27'	30,768	350	8	2.57	0.038	0.89	0.39	0.06	1.35	0.46	1.81
Sprayer(300-450Gal)	47'	0	350	8	5.40	0.022	0.52	0.48	0.00	1.01	0.00	1.01
Sprayer(300-450Gal)	60'	103,000	350	8	5.66	0.017	0.41	0.39	0.09	0.90	0.71	1.62
Sprayer(300-450Gal)	80'	103,000	350	8	5.66	0.013	0.30	0.29	0.07	0.68	0.53	1.21
Sprayer(600-750Gal)	60'	216,000	350	8	10.29	0.017	0.41	0.72	0.20	1.34	1.49	2.83
Sprayer(600-825Gal)	80'	269,000	350	8	10.29	0.013	0.30	0.54	0.19	1.04	1.39	2.44
Sprayer(600-825Gal)	90'	328,000	350	8	10.29	0.011	0.27	0.48	0.20	0.96	1.51	2.47
Sprayer(1000-1400Gal)	90'	328,000	350	8	14.15	0.014	0.32	0.79	0.24	1.37	1.81	3.19
Sprayer(1200PlusGal)	120'	489,000	350	8	15.44	0.008	0.20	0.54	0.23	0.98	1.69	2.67
Sprayer(600-750Gal)	60'	216,000	350	8	10.29	0.017	0.31	0.44	0.20	0.96	1.44	2.40
Sprayer(600-825Gal)	80'	234,000	350	8	10.29	0.013	0.26	0.38	0.16	0.81	1.02	1.83
Sprayer(600-825Gal)	90'	328,000	350	8	10.29	0.011	0.23	0.34	0.20	0.78	1.27	2.06
Sprayer(1000-1400Gal)	90'	328,000	350	8	14.15	0.014	0.27	0.56	0.24	1.09	1.53	2.62
Sprayer(1200PlusGal)	120'	401,000	350	8	15.44	0.008	0.17	0.38	0.18	0.75	1.17	1.92

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2023.

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	0.27	0.53	0.01 0.07	0.90	0.01 0.50	1.42
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	16.08	12.11	0.70 1.13	30.03	0.67 7.73	38.44
Blade-Scraper	10'	2WD 50	3,870	200	20	1.176	16.08	12.11	2.16 1.13	31.49	2.04 7.73	41.27
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	7.10	20.32	3.96 3.50	34.90	9.21 24.80	68.91
Boll Buggy-1st pick	4R2x1260hp	MFWD 190	30,500	200	10	0.172	2.35	6.74	1.31 1.16	11.57	3.05 8.22	22.85
Boll Buggy-1st pick	4R30"255hp	MFWD 190	30,500	200	10	0.327	4.47	12.80	2.49 2.20	21.98	5.80 15.62	43.41
Boll Buggy-1st pick	4R30"325hp	MFWD 190	30,500	200	10	0.327	4.47	12.80	2.49 2.20	21.98	5.80 15.62	43.41
Boll Buggy-1st pick	4R38"255hp	MFWD 190	30,500	200	10	0.257	3.52	10.08	1.96 1.74	17.31	4.57 12.30	34.18
Boll Buggy-1st pick	4R38"325hp	MFWD 190	30,500	200	10	0.257	3.52	10.08	1.96 1.74	17.31	4.57 12.30	34.18
Boll Buggy-1st pick	5R30"255hp	MFWD 190	30,500	200	10	0.261	3.58	10.24	1.99 1.76	17.59	4.64 12.50	34.73
Boll Buggy-1st pick	5R38"255hp	MFWD 190	30,500	200	10	0.207	2.83	8.10	1.57 1.39	13.91	3.67 9.88	27.47
Boll Buggy-1st pick	6R30"325hp	MFWD 190	30,500	200	10	0.218	2.98	8.53	1.66 1.47	14.65	3.86 10.41	28.94
Boll Buggy-1st pick	6R38"325hp	MFWD 190	30,500	200	10	0.172	2.35	6.74	1.31 1.16	11.57	3.05 8.22	22.85
Boll Buggy-2nd pick	2R38"157hp	MFWD 190	30,500	200	10	0.440	6.01	17.21	3.35 2.97	29.56	7.80 21.00	58.37
Boll Buggy-2nd pick	4R2x1260hp	MFWD 190	30,500	200	10	0.145	1.99	5.70	1.11 0.98	9.80	2.58 6.96	19.35
Boll Buggy-2nd pick	4R30"255hp	MFWD 190	30,500	200	10	0.277	3.79	10.84	2.11 1.87	18.62	4.91 13.23	36.77
Boll Buggy-2nd pick	4R30"325hp	MFWD 190	30,500	200	10	0.277	3.79	10.84	2.11 1.87	18.62	4.91 13.23	36.77
Boll Buggy-2nd pick	4R38 255hp	MFWD 190	30,500	200	10	0.218	2.98	8.54	1.66 1.47	14.66	3.87 10.42	28.95
Boll Buggy-2nd pick	4R38 325hp	MFWD 190	30,500	200	10	0.218	2.98	8.54	1.66 1.47	14.66	3.87 10.42	28.95
Boll Buggy-2nd pick	5R30"255hp	MFWD 190	30,500	200	10	0.221	3.03	8.67	1.69 1.49	14.90	3.93 10.58	29.42
Boll Buggy-2nd pick	5R38"255hp	MFWD 190	30,500	200	10	0.175	2.39	6.86	1.33 1.18	11.78	3.11 8.37	23.27
Boll Buggy-2nd pick	6R30"325hp	MFWD 190	30,500	200	10	0.184	2.52	7.23	1.40 1.24	12.41	3.27 8.82	24.51
Boll Buggy-2nd pick	6R38"325hp	MFWD 190	30,500	200	10	0.145	1.99	5.70	1.11 0.98	9.80	2.58 6.96	19.35
Boll Buggy-Stripper	13' Bcast	MFWD 150	30,500	200	10	0.251	3.44	7.77	1.92 1.24	14.38	4.46 8.46	27.31
Boll Buggy-Stripper	16' Bcast	MFWD 150	30,500	200	10	0.204	2.79	6.31	1.56 1.01	11.68	3.62 6.88	22.19
Boll Buggy-Stripper	19' Bcast	MFWD 150	30,500	200	10	0.172	2.35	5.32	1.31 0.85	9.84	3.05 5.79	18.69
Boll Buggy-Stripper	4R30"2X1Br	MFWD 150	30,500	200	10	0.218	2.98	6.74	1.66 1.07	12.46	3.86 7.33	23.67
Boll Buggy-Stripper	4R30"Brush	MFWD 150	30,500	200	10	0.327	4.47	10.11	2.49 1.61	18.69	5.80 11.00	35.51
Boll Buggy-Stripper	4R38"2X1Br	MFWD 150	30,500	200	10	0.172	2.35	5.32	1.31 0.85	9.84	3.05 5.79	18.69
Boll Buggy-Stripper	4R38"Brush	MFWD 150	30,500	200	10	0.257	3.52	7.96	1.96 1.27	14.72	4.57 8.66	27.96
Boll Buggy-Stripper	5R30"Brush	MFWD 150	30,500	200	10	0.261	3.58	8.08	1.99 1.29	14.95	4.64 8.80	28.40
Boll Buggy-Stripper	5R38"Brush	MFWD 150	30,500	200	10	0.207	2.83	6.39	1.57 1.02	11.83	3.67 6.96	22.47
Boll Buggy-Stripper	6R30"Brush	MFWD 150	30,500	200	10	0.218	2.98	6.74	1.66 1.07	12.46	3.86 7.33	23.67
Chisel Plow(Folding)	16'	2WD 130	22,500	150	12	0.115	1.57	3.09	0.93 0.42	6.03	1.87 2.89	10.80
Chisel Plow(Folding)	24'	MFWD 190	48,500	150	12	0.076	1.04	2.99	1.33 0.51	5.89	2.67 3.64	12.21
Chisel Plow(Folding)	32'	MFWD 225	69,000	150	12	0.057	0.78	2.67	1.43 0.49	5.40	2.87 3.52	11.80
Chisel Plow(Folding)	42'	MFWD 225	71,900	150	12	0.044	0.60	2.03	1.14 0.37	4.16	2.28 2.68	9.13
Chisel Plow(Rigid)	15'	2WD 130	18,870	150	12	0.123	1.68	3.29	0.83 0.45	6.27	1.68 3.08	11.04
Chisel Plow(Rigid)	24'	MFWD 190	16,000	150	12	0.077	1.05	3.01	0.44 0.51	5.03	0.89 3.67	9.59
Chisel-Harrow	21 shank	2WD 190	6,750	150	12	0.088	1.20	3.44	0.21 0.39	5.25	0.42 2.78	8.46
Chisel-Harrow	27 shank	MFWD 225	14,100	150	12	0.068	0.93	3.17	0.34 0.59	5.04	0.69 4.17	9.92
Colter-Chisel-Harrow	21 shank	2WD 190	19,200	150	12	0.088	1.20	3.44	0.61 0.39	5.65	1.22 2.78	9.65
Colter-Chisel-Harrow	27 shank	MFWD 225	24,000	150	12	0.068	0.93	3.17	0.59 0.59	5.29	1.18 4.17	10.65
Corn Grain Cart 8R30	500 bu	MFWD 190	34,100	200	12	0.031	0.43	1.24	0.29 0.21	2.19	0.58 1.52	4.30
Corn Grain Cart 8R40	700bu	MFWD 190	51,600	200	12	0.025	0.34	0.97	0.34 0.16	1.83	0.69 1.19	3.73
Cult & Post	4R-38	2WD 105	24,700	150	10	0.173	3.55	3.74	1.14 0.39	8.83	3.42 2.70	14.96
Cult & Post	6R-30	MFWD 150	30,900	150	10	0.146	6.01	4.52	1.20 0.72	12.47	3.62 4.93	21.03
Cult & Post	6R-38	MFWD 150	32,000	150	10	0.115	2.37	3.57	0.98 0.57	7.51	2.96 3.89	14.36
Cult & Post	8R-30	MFWD 190	31,200	150	10	0.110	2.25	4.30	0.91 0.74	8.21	2.74 5.25	16.21
Cult & Post	8R-38	MFWD 190	41,500	150	10	0.086	1.78	3.40	0.96 0.58	6.73	2.88 4.15	13.76
Cult & Post	8R-38 2x1	MFWD 190	56,400	150	10	0.057	1.18	2.26	0.87 0.39	4.71	2.61 2.76	10.08
Cult & Post	10R-30	MFWD 225	32,000	150	10	0.088	1.80	4.07	0.75 0.75	7.39	2.25 5.36	15.00
Cult & Post	10R-38	MFWD 225	0	150	10	0.065	1.33	3.01	0.00 0.56	4.90	0.00 3.96	8.87
Cult & Post	12R-30	MFWD 225	56,500	150	10	0.073	1.50	3.39	1.10 0.63	6.63	3.31 4.47	14.42
Cult & Post	12R-38	MFWD 225	56,400	150	10	0.057	1.18	2.68	0.87 0.49	5.23	2.61 3.53	11.38
Cultipacker	12'	2WD 130	6,720	300	12	0.124	1.70	3.33	0.19 0.45	5.68	0.30 3.11	9.11
Cultipacker	20'	MFWD 150	10,900	300	12	0.074	1.02	2.30	0.19 0.36	3.88	0.30 2.51	6.69
Cultivate	4R-38	2WD 105	19,000	150	10	0.162	2.22	3.51	0.82 0.37	6.92	2.46 2.53	11.92
Cultivate	6R-30	MFWD 150	25,200	150	10	0.137	1.87	4.24	0.92 0.67	7.72	2.76 4.62	15.12
Cultivate	6R-38	MFWD 150	26,300	150	10	0.108	1.48	3.35	0.76 0.53	6.13	2.28 3.65	12.06
Cultivate	8R-30	MFWD 190	32,600	150	10	0.103	1.40	4.03	0.89 0.69	7.03	2.68 4.92	14.64
Cultivate	8R-38	MFWD 190	39,800	150	10	0.081	1.11	3.18	0.86 0.55	5.71	2.59 3.89	12.20
Cultivate	8R-38 2x1	MFWD 190	50,100	150	10	0.054	0.74	2.12	0.72 0.36	3.95	2.17 2.59	8.72
Cultivate	10R-30	MFWD 225	28,200	150	10	0.082	1.12	3.82	0.62 0.71	6.28	1.85 5.03	13.17
Cultivate	10R-38	MFWD 225	0	150	10	0.065	0.88	3.01	0.00 0.56	4.46	0.00 3.96	8.43
Cultivate	12R-30	MFWD 225	50,800	150	10	0.068	0.93	3.18	0.93 0.59	5.64	2.79 4.19	12.63
Cultivate	12R-38	MFWD 225	50,700	150	10	0.054	0.74	2.51	0.73 0.46	4.45	2.19 3.31	9.96
Disk & Incorporate	14'	2WD 130	45,200	200	10	0.149	3.06	4.00	2.02 0.55	9.65	4.05 3.74	17.45
Disk & Incorporate	24'	MFWD 190	71,300	200	10	0.087	1.79	3.41	1.86 0.58	7.66	3.73 4.16	15.56
Disk & Incorporate	32'	4WD 225	87,300	200	10	0.068	1.40	3.18	1.80 0.31	6.71	3.59 2.23	12.54
Disk & Incorporate	42'	MFWD 225	30,542	200	10	0.049	1.00	2.27	0.44 0.42	4.15	0.89 2.99	8.04
Disk Bed (Hipper)	4R-38	MFWD 150	15,700	160	10	0.147	2.01	4.55	0.57 0.72	7.88	1.73 4.96	14.58
Disk Bed (Hipper)	6R-30	MFWD 170	23,900	160	10	0.125	1.70	4.37	0.74 0.72	7.55	2.23 5.13	14.93
Disk Bed (Hipper)	6R-38	MFWD 170	23,900	160	10	0.098	1.34	3.45	0.58 0.57	5.96	1.76 4.05	11.78
Disk Bed (Hipper)	8R-30	MFWD 190	30,700	160	10	0.093	1.28	3.66	0.71 0.63	6.30	2.15 4.47	12.93
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	76,700	160	10	0.049	0.67	1.93	0.94 0.33	3.88	2.83 2.35	9.07
Disk Bed (Hipper)	10R-30	MFWD 225	19,900	160	10	0.075	1.02	3.47	0.37 0.64	5.51	1.11 4.57	11.21
Disk Bed (Hipper)	10R-38	MFWD 225	23,100	160	10	0.059	0.80	2.74	0.34 0.51	4.40	1.02 3.60	9.03
Disk Bed (Hipper)	12R-30	MFWD 225	59,900	160	10	0.062	0.85	2.89	0.93 0.53	5.22	2.80 3.81	11.84

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2023.

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	76,700	160	10	0.049	0.67	2.28	0.94 0.42	4.33	2.83	3.00 10.17
Disk Bed (Hipper)Fld	8R-38	MFWD 190	33,400	160	10	0.074	1.01	2.89	0.61 0.50	5.03	1.85	3.53 10.42
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	30,800	160	10	0.074	1.01	2.89	0.57 0.50	4.98	1.71	3.53 10.23
Disk Bed w/roller	8R-30	2WD 190	40,100	160	10	0.093	1.28	3.66	0.93 0.41	6.30	2.81	2.96 12.08
Disk Bed w/roller	12R-30	MFWD 225	76,000	160	10	0.062	0.85	2.89	1.18 0.53	5.47	3.55	3.81 12.84
Disk Harrow	14'	2WD 130	39,400	180	10	0.140	1.91	3.75	1.53 0.51	7.72	3.68	3.51 14.91
Disk Harrow	24'	MFWD 190	65,600	180	10	0.081	1.11	3.20	1.49 0.55	6.36	3.57	3.90 13.84
Disk Harrow	28'	MFWD 225	74,700	180	10	0.070	0.95	3.24	1.45 0.60	6.26	3.49	4.27 14.03
Disk Harrow	32'		81,500	180	10	0.061	1.01	0.00	1.38 0.00	0.00	3.33	0.00 0.00
Disk Harrow	42'	MFWD 225	134,800	180	10	0.046	0.63	2.16	1.75 0.40	4.96	4.19	2.85 12.01
Ditcher		2WD 130	8,760	200	10	0.020	0.27	0.53	0.07 0.07	0.95	0.10	0.50 1.55
Ditcher (1m/160a)		2WD 130	8,760	200	10	0.009	0.12	0.25	0.03 0.03	0.44	0.04	0.23 0.73
Fert Appl (Liquid)	4R-38	MFWD 150	25,400	150	8	0.154	3.17	4.77	2.61 0.76	11.33	3.34	5.20 19.87
Fert Appl (Liquid)	6R-30	MFWD 170	25,300	150	8	0.130	2.68	4.58	2.20 0.76	10.23	2.82	5.38 18.44
Fert Appl (Liquid)	6R-38	MFWD 170	25,300	150	8	0.103	2.11	3.61	1.74 0.60	8.08	2.22	4.24 14.55
Fert Appl (Liquid)	8R-30	MFWD 190	26,300	150	8	0.098	2.01	3.84	1.72 0.66	8.24	2.19	4.68 15.12
Fert Appl (Liquid)	8R-38	MFWD 190	29,500	150	8	0.077	1.59	3.03	1.52 0.52	6.68	1.94	3.70 12.33
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	32,900	150	8	0.051	1.05	2.02	1.13 0.34	4.56	1.44	2.46 8.47
Fert Appl (Liquid)	10R-30	MFWD 225	18,600	150	8	0.078	1.61	3.63	0.97 0.67	6.90	1.24	4.79 12.93
Fert Appl (Liquid)	10R-38	MFWD 225	20,300	150	8	0.061	1.27	2.87	0.83 0.53	5.51	1.07	3.77 10.36
Fert Appl (Liquid)	12R-30	MFWD 225	30,600	150	8	0.078	1.61	3.63	1.60 0.67	7.53	2.04	4.79 14.36
Fert Appl (Liquid)	12R-38	MFWD 225	31,100	150	8	0.051	1.05	2.39	1.07 0.44	4.97	1.36	3.15 9.49
Field Cult & Inc	12'	2WD 150	22,800	100	10	0.132	2.71	4.08	0.75 0.54	8.08	3.61	3.69 15.39
Field Cult & Inc	24'	MFWD 170	38,500	100	10	0.066	1.35	2.31	0.63 0.38	4.68	3.05	2.71 10.45
Field Cult & Inc	32'	MFWD 190	59,100	100	10	0.049	1.01	1.93	0.73 0.33	4.02	3.51	2.36 9.90
Field Cult & Inc	42'	MFWD 225	73,200	100	10	0.037	0.77	1.74	0.69 0.32	3.54	3.31	2.30 9.16
Field Cultivate	12'	2WD 150	22,800	100	10	0.124	1.70	3.84	0.70 0.51	6.76	3.40	3.47 13.63
Field Cultivate	24'	MFWD 170	38,000	100	10	0.062	0.85	2.17	0.59 0.36	3.98	2.83	2.55 9.37
Field Cultivate	32'	MFWD 190	59,100	100	10	0.046	0.63	1.82	0.68 0.31	3.46	3.30	2.22 9.00
Field Cultivate	42'	MFWD 225	73,200	100	10	0.035	0.48	1.64	0.65 0.30	3.09	3.12	2.16 8.37
Field Cultivate	50'	MFWD 225	82,900	100	10	0.029	0.40	1.38	0.61 0.25	2.66	2.96	1.82 7.45
Gate Installer		2WD 130	2,960	10	10	0.020	0.54	0.53	0.17 0.07	1.33	0.68	0.50 2.52
Grain Drill	12'	2WD 130	40,700	150	8	0.157	4.29	4.20	2.39 0.57	11.47	5.23	3.93 20.64
Grain Drill	15'	MFWD 150	38,900	150	8	0.125	3.43	3.88	1.83 0.62	9.77	4.00	4.22 18.00
Grain Drill	20'	MFWD 170	45,400	150	8	0.094	2.57	3.30	1.60 0.54	8.03	3.50	3.87 15.41
Grain Drill	24'	MFWD 190	68,900	150	8	0.078	2.14	3.07	2.03 0.53	7.78	4.43	3.75 15.96
Grain Drill	30'	MFWD 225	82,500	150	8	0.062	1.71	2.91	1.94 0.54	7.11	4.24	3.83 15.19
Grain Drill & Pre	12'	2WD 130	46,100	150	8	0.169	4.62	4.52	2.92 0.62	12.70	6.38	4.23 23.32
Grain Drill & Pre	15'	MFWD 150	44,200	150	8	0.135	3.70	4.18	2.24 0.66	10.79	4.89	4.55 20.24
Grain Drill & Pre	20'	MFWD 170	50,800	150	8	0.101	2.77	3.55	1.93 0.59	8.85	4.22	4.17 17.25
Grain Drill & Pre	24'	MFWD 190	74,200	150	8	0.084	2.31	3.31	2.35 0.57	8.54	5.13	4.03 17.72
Grain Drill & Pre	30'	MFWD 225	87,800	150	8	0.067	1.85	3.13	2.22 0.58	7.79	4.86	4.12 16.79
Harrow	13'	2WD 130	4,360	200	10	0.119	1.63	3.19	0.18 0.43	5.45	0.31	2.98 8.75
Harrow	21'	2WD 150	6,750	200	10	0.073	1.01	2.28	0.17 0.30	3.77	0.29	2.06 6.13
Harrow	40'	MFWD 190	21,300	200	10	0.038	0.53	1.51	0.28 0.26	2.60	0.49	1.85 4.94
Harrow	47'	MFWD 190	26,000	200	10	0.033	0.45	1.29	0.30 0.22	2.26	0.51	1.57 4.35
Header - Corn	4R-38	240hp	25,147	300	8	0.201	3.32	9.93	1.26 3.38	17.91	2.15	14.88 34.95
Header - Corn	6R30"	240hp	64,800	300	8	0.170	2.81	8.41	2.75 2.86	16.85	4.69	12.60 34.15
Header - Corn	6R38"	240hp	64,900	300	8	0.134	2.22	6.64	2.18 2.26	13.30	3.71	9.95 26.97
Header - Corn	8R-30	240hp	87,400	300	8	0.127	2.11	6.30	2.79 2.14	13.36	4.75	9.45 27.56
Header - Corn	8R-38	275hp	80,000	300	8	0.100	1.66	5.71	2.01 4.86	14.27	3.43	21.42 39.13
Header - Corn	12R-20	275hp	129,500	300	8	0.127	2.11	7.22	4.13 6.15	19.63	7.03	27.09 53.76
Header - Corn	12R-30	275hp	125,000	300	8	0.085	1.40	4.81	2.66 4.10	12.99	4.52	18.06 35.58
Header - Rice (CL)	22' Rigid	240hp	77,900	300	8	0.288	4.77	14.24	5.61 4.85	29.49	9.56	21.35 60.41
Header - Rice (CL)	25' Rigid	240hp	77,900	300	8	0.253	4.19	12.54	4.94 4.27	25.95	8.41	18.79 53.16
Header - Rice (CL)	30' Rigid	275hp	81,600	300	8	0.211	3.49	11.97	4.31 10.20	29.98	7.34	44.88 82.21
Header - Rice (SL)	22' Rigid	240hp	77,900	300	8	0.250	4.13	12.35	4.86 4.20	25.56	8.28	18.50 52.35
Header - Rice (SL)	25' Rigid	240hp	77,900	300	8	0.220	3.63	10.86	4.28 3.70	22.49	7.29	16.28 46.07
Header - Rice (SL)	30' Rigid	275hp	81,600	300	8	0.183	3.03	10.37	3.73 8.84	25.99	6.36	38.89 71.25
Header - Soybean	15' Flex	240hp	0	300	8	0.170	2.81	8.41	0.00 2.86	14.09	0.00	12.60 26.69
Header - Soybean	18' Flex	240hp	20,309	300	8	0.141	2.34	7.00	0.72 2.38	12.46	1.22	10.50 24.19
Header - Soybean	22' Flex	240hp	38,700	300	8	0.116	1.92	5.73	1.12 1.95	10.73	1.91	8.59 21.23
Header - Soybean	25' Flex	275hp	39,600	300	8	0.102	1.68	5.78	1.01 4.92	13.41	1.72	21.67 36.81
Header - Soybean	30' Flex	275hp	47,100	300	8	0.085	1.40	4.81	1.00 4.10	11.33	1.70	18.06 31.10
Header Wheat/Sorghum	18' Rigid	240hp	19,069	300	8	0.141	2.34	7.00	0.67 2.38	12.42	1.15	10.50 24.07
Header Wheat/Sorghum	22' Rigid	240hp	19,800	300	8	0.116	1.92	5.73	0.57 1.95	10.18	0.97	8.59 19.75
Header Wheat/Sorghum	25' Rigid	240hp	41,800	300	8	0.102	1.68	5.04	1.06 1.71	9.52	1.81	7.56 18.90
Header Wheat/Sorghum	30' Rigid	275hp	55,100	300	8	0.085	1.40	4.81	1.17 4.10	11.50	1.99	18.06 31.56
Header-Cotton-Bcast	13'	173hp	21,300	200	8	0.251	7.60	8.13	1.00 6.68	23.44	3.42	29.42 56.29
Header-Cotton-Bcast	16'	173hp	23,800	200	8	0.204	6.18	6.61	0.91 5.43	19.14	3.10	23.90 46.16
Header-Cotton-Bcast	19'	173hp	26,200	200	8	0.172	5.20	5.56	0.84 4.57	16.19	2.88	20.13 39.21
Header-Cotton-Brush	4R30"	173hp	20,520	200	8	0.327	9.89	10.58	1.25 8.69	30.42	4.28	38.25 72.97
Header-Cotton-Brush	4R30"2X1	173hp	34,400	200	8	0.218	6.59	7.05	1.40 5.79	20.85	4.79	25.50 51.14
Header-Cotton-Brush	4R38"	173hp	34,000	200	8	0.257	7.78	8.33	1.64 6.84	24.60	5.59	30.12 60.32
Header-Cotton-Brush	4R38"2X1	173hp	36,000	200	8	0.172	5.20	5.56	1.16 4.57	16.51	3.96	20.13 40.60
Header-Cotton-Brush	5R-30	173hp	42,800	200	8	0.261	7.91	8.46	2.10 6.95	25.43	7.15	30.60 63.19
Header-Cotton-Brush	5R-38	173hp	44,300	200	8	0.207	6.25	6.69	1.72 5.50	20.18	5.86	24.21 50.25
Header-Cotton-Brush	6R-30	173hp	52,700	200	8	0.218	6.59	7.05	2.15 5.79	21.60	7.34	25.50 54.44
Heavy Disk	14'	MFWD 150	25,900	180	10	0.145	1.99	4.50	1.05 0.72	8.27	2.51	4.90 15.69

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2023.

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	1.33	3.40	1.09 0.56	6.39	2.63 3.99	13.02
Heavy Disk	27'	MFWD 190	50,400	180	10	0.075	1.03	2.96	1.05 0.51	5.56	2.54 3.61	11.71
LA Boom Sprayer	30 ft	MFWD 150	3,000	150	10	0.059	0.82	1.85	0.13 0.29	3.10	0.16 2.01	5.27
Land Plane	40'x10'	MFWD 190	6,020	200	10	0.242	3.31	9.49	0.29 1.63	14.73	0.87 11.58	27.19
Land Plane	50'x16'	MFWD 190	13,000	200	10	0.151	2.07	5.93	0.39 1.02	9.42	1.18 7.23	17.84
LARice Backhoe-Rrmnt	2 ft	MFWD 150	6,000	100	10	0.500	6.83	15.44	2.64 2.46	27.38	4.03 16.81	48.23
LARice Land Level	13 ft	MFWD 150	7,500	200	15	0.190	2.59	5.87	0.15 0.93	9.56	0.74 6.39	16.70
LARice Levee Plow	8 ft	4WD 300	4,600	150	10	0.050	0.68	3.08	0.07 0.58	4.43	0.20 4.16	8.80
LARice Water Level	24 ft	4WD 300	3,500	100	15	0.149	2.04	9.26	0.23 1.76	13.30	0.55 12.48	26.34
Levee Splitter (1/80	2 blade	2WD 150	9,220	50	10	0.004	0.05	0.12	0.00 0.01	0.20	0.09 0.11	0.41
Lo-Till & Bed	4R-38	MFWD 190	5,100	150	12	0.145	1.98	5.69	0.26 0.98	8.93	0.55 6.94	16.43
Middle Buster	6R-38	MFWD 150	12,800	160	8	0.120	1.64	3.71	0.36 0.59	6.30	1.27 4.04	11.62
Middle Buster	8R-30	MFWD 190	20,800	160	8	0.114	1.56	4.46	0.55 0.77	7.35	1.96 5.45	14.77
Middle Buster	8R-38	MFWD 190	18,100	160	8	0.090	1.23	3.53	0.38 0.60	5.75	1.35 4.30	11.42
Middle Buster	8R-40 2x1	MFWD 190	29,200	160	8	0.060	0.82	2.35	0.41 0.40	3.98	1.45 2.86	8.31
Middle Buster	10R-30	MFWD 225	29,300	160	8	0.091	1.24	4.23	0.62 0.78	6.89	2.21 5.57	14.68
Middle Buster	10R-38	MFWD 225	32,100	160	8	0.072	0.98	3.33	0.54 0.62	5.48	1.91 4.39	11.79
Middle Buster	12R-38	MFWD 225	29,200	160	8	0.060	0.82	2.78	0.41 0.51	4.53	1.45 3.66	9.65
Module Builder-1st	2R-38(157)	MFWD 190	31,300	200	10	0.519	14.20	20.32	4.06 3.50	42.10	9.45 24.80	76.36
Module Builder-1st	4R-30(255)	MFWD 190	34,700	200	10	0.327	8.95	12.80	2.84 2.20	26.80	6.60 15.62	49.03
Module Builder-1st	4R-30(325)	MFWD 190	34,700	200	10	0.327	8.95	12.80	2.84 2.20	26.80	6.60 15.62	49.03
Module Builder-1st	4R-38(255)	MFWD 190	34,700	200	10	0.257	7.04	10.08	2.23 1.74	21.10	5.20 12.30	38.61
Module Builder-1st	4R-38(325)	MFWD 190	34,700	200	10	0.257	7.04	10.08	2.23 1.74	21.10	5.20 12.30	38.61
Module Builder-1st	4R2x1260hp	MFWD 190	34,700	200	10	0.172	4.71	6.74	1.49 1.16	14.10	3.47 8.22	25.80
Module Builder-1st	5R-30(255)	MFWD 190	34,700	200	10	0.261	7.16	10.24	2.27 1.76	21.44	5.28 12.50	39.22
Module Builder-1st	5R-38(255)	MFWD 190	34,700	200	10	0.207	5.66	8.10	1.79 1.39	16.96	4.17 9.88	31.03
Module Builder-1st	6R-30(325)	MFWD 190	34,700	200	10	0.218	5.96	8.53	1.89 1.47	17.87	4.40 10.41	32.69
Module Builder-1st	6R-38(325)	MFWD 190	34,700	200	10	0.172	4.71	6.74	1.49 1.16	14.10	3.47 8.22	25.80
Module Builder-2nd	2R-38(157)	MFWD 190	34,700	200	10	0.440	12.03	17.21	3.81 2.97	36.04	8.87 21.00	65.93
Module Builder-2nd	4R-30(255)	MFWD 190	34,700	200	10	0.277	7.58	10.84	2.40 1.87	22.70	5.59 13.23	41.53
Module Builder-2nd	4R-30(325)	MFWD 190	34,700	200	10	0.277	7.58	10.84	2.40 1.87	22.70	5.59 13.23	41.53
Module Builder-2nd	4R-38(255)	MFWD 190	34,700	200	10	0.218	5.96	8.54	1.89 1.47	17.87	4.40 10.42	32.70
Module Builder-2nd	4R-38(325)	MFWD 190	34,700	200	10	0.218	5.96	8.54	1.89 1.47	17.87	4.40 10.42	32.70
Module Builder-2nd	4R2x1 255	MFWD 190	34,700	200	10	0.145	3.99	5.70	1.26 0.98	11.95	2.94 6.96	21.86
Module Builder-2nd	5R-30(255)	MFWD 190	34,700	200	10	0.221	6.06	8.67	1.92 1.49	18.16	4.47 10.58	33.22
Module Builder-2nd	5R-38(255)	MFWD 190	34,700	200	10	0.175	4.79	6.86	1.52 1.18	14.37	3.54 8.37	26.28
Module Builder-2nd	6R-30(325)	MFWD 190	34,700	200	10	0.184	5.05	7.23	1.60 1.24	15.13	3.72 8.82	27.69
Module Builder-2nd	6R-38(325)	MFWD 190	34,700	200	10	0.145	3.99	5.70	1.26 0.98	11.95	2.94 6.96	21.86
Module Builder-Strip	13' Bcast	MFWD 150	34,700	200	10	0.251	6.88	7.77	2.18 1.24	18.09	5.08 8.46	31.63
Module Builder-Strip	16' Bcast	MFWD 150	34,700	200	10	0.204	5.59	6.31	1.77 1.01	14.69	4.12 6.88	25.70
Module Builder-Strip	19' Brush	MFWD 150	34,700	200	10	0.172	4.71	5.32	1.49 0.85	12.37	3.47 5.79	21.64
Module Builder-Strip	4R-30	MFWD 150	34,700	200	10	0.327	8.95	10.11	2.84 1.61	23.51	6.60 11.00	41.13
Module Builder-Strip	4R-30 2X1	MFWD 150	34,700	200	10	0.218	5.96	6.74	1.89 1.07	15.67	4.40 7.33	27.41
Module Builder-Strip	4R-38	MFWD 150	34,700	200	10	0.257	7.04	7.96	2.23 1.27	18.51	5.20 8.66	32.38
Module Builder-Strip	4R-38 2X1	MFWD 150	34,700	200	10	0.172	4.71	5.32	1.49 0.85	12.37	3.47 5.79	21.64
Module Builder-Strip	5R-30	MFWD 150	34,700	200	10	0.261	7.16	8.08	2.27 1.29	18.81	5.28 8.80	32.90
Module Builder-Strip	5R-38	MFWD 150	34,700	200	10	0.207	5.66	6.39	1.79 1.02	14.88	4.17 6.96	26.03
Module Builder-Strip	6R-30	MFWD 150	34,700	200	10	0.218	5.96	6.74	1.89 1.07	15.67	4.40 7.33	27.41
NT Grain Drill	12'	2WD 130	50,200	150	8	0.163	4.47	4.38	3.08 0.60	12.53	6.72 4.09	23.36
NT Grain Drill & Pre	15'	MFWD 150	68,700	150	8	0.141	3.85	4.35	3.63 0.69	12.54	7.93 4.74	25.21
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
NT Plant-Folding	12R-20	MFWD 190	77,500	150	8	0.098	2.68	3.84	2.85 0.66	10.04	6.23 4.68	20.96
NT Plant-Folding	12R-30	MFWD 190	91,300	150	8	0.065	1.79	2.56	2.24 0.44	7.03	4.89 3.12	15.05

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2023.

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		
-----\$/acre-----														
NT Plant-Rigid	4R-30	2WD 130	31,900	150	8	0.196	5.37	5.25	2.34	0.72	13.69	5.12	4.91	23.74
NT Plant-Rigid	4R-38	2WD 130	29,500	150	8	0.154	4.22	4.13	1.71	0.56	10.64	3.73	3.87	18.25
NT Plant-Rigid	6R-30	MFWD 150	41,600	150	8	0.130	3.58	4.04	2.04	0.64	10.31	4.45	4.40	19.17
Plant & Pre Rigid	6R-38	MFWD 150	41,400	150	8	0.106	2.92	3.30	1.65	0.52	8.41	3.62	3.59	15.62
Plant & Pre Rigid	8R-22	MFWD 170	23,550	150	8	0.138	3.77	4.83	1.22	0.80	10.63	2.66	5.67	18.97
Plant & Pre Rigid	8R-30	MFWD 170	52,200	150	8	0.101	2.77	3.55	1.98	0.59	8.90	4.33	4.17	17.42
Plant & Pre Rigid	8R-38	MFWD 170	48,000	150	8	0.080	2.19	2.80	1.44	0.46	6.91	3.15	3.29	13.36
Plant & Pre Rigid	10R-30	MFWD 190	46,000	150	8	0.081	2.22	3.17	1.40	0.54	7.34	3.05	3.87	14.28
Plant & Pre Rigid	12R-20	MFWD 190	60,800	150	8	0.101	2.77	3.97	2.31	0.68	9.74	5.05	4.84	19.64
Plant & Pre Rigid	12R-30	MFWD 190	74,400	150	8	0.067	1.85	2.64	1.88	0.45	6.84	4.12	3.23	14.19
Plant - Folding	8R-38	MFWD 170	64,700	150	8	0.074	2.03	2.60	1.80	0.43	6.88	3.94	3.06	13.89
Plant - Folding	8R-38 2x1	MFWD 170	89,800	150	8	0.049	1.35	1.73	1.67	0.28	5.05	3.64	2.03	10.74
Plant - Folding	10R-30	MFWD 190	47,426	150	8	0.075	2.06	2.95	1.34	0.50	6.86	2.92	3.60	13.39
Plant - Folding	10R-38	MFWD 190	43,011	150	8	0.059	1.62	2.32	0.95	0.40	5.31	2.09	2.83	10.24
Plant - Folding	12R-20	MFWD 190	65,200	150	8	0.094	2.57	3.68	2.30	0.63	9.20	5.03	4.50	18.74
Plant - Folding	12R-30	MFWD 190	79,000	150	8	0.062	1.71	2.45	1.86	0.42	6.46	4.06	3.00	13.52
Plant - Folding	12R-38	MFWD 190	89,800	150	8	0.049	1.35	1.94	1.67	0.33	5.30	3.64	2.36	11.32
Plant - Folding	16R-30	MFWD 190	123,000	150	8	0.047	1.28	1.84	2.17	0.31	5.62	4.74	2.25	12.62
Plant - Folding	23R-15	MFWD 190	170,000	150	8	0.065	1.79	2.56	4.17	0.44	8.96	9.11	3.12	21.20
Plant - Folding	24R-20	MFWD 190	204,000	150	8	0.047	1.28	1.84	3.60	0.31	7.05	7.87	2.25	17.18
Plant - Folding	24R-30	MFWD 190	284,000	150	8	0.031	0.85	1.22	3.34	0.21	5.64	7.30	1.50	14.45
Plant - Rigid	4R-30	2WD 130	27,900	150	8	0.188	5.15	5.04	1.97	0.69	12.86	4.30	4.71	21.89
Plant - Rigid	4R-38	2WD 130	25,400	150	8	0.148	4.05	3.97	1.41	0.54	9.99	3.08	3.71	16.79
Plant - Rigid	6R-30	MFWD 150	35,500	150	8	0.125	3.43	3.88	1.67	0.62	9.61	3.65	4.22	17.49
Plant - Rigid	6R-38	MFWD 150	35,700	150	8	0.099	2.71	3.06	1.32	0.49	7.59	2.90	3.33	13.83
Plant - Rigid	8R-22	MFWD 170	18,473	150	8	0.127	3.49	4.47	0.88	0.74	9.60	1.93	5.25	16.79
Plant - Rigid	8R-30	MFWD 170	46,500	150	8	0.094	2.57	3.30	1.64	0.54	8.06	3.58	3.87	15.53
Plant - Rigid	8R-38	MFWD 170	42,300	150	8	0.074	2.03	2.60	1.18	0.43	6.26	2.58	3.06	11.90
Plant - Rigid	10R-30	MFWD 190	40,700	150	8	0.075	2.06	2.95	1.15	0.50	6.67	2.51	3.60	12.78
Plant - Rigid	12R-20	MFWD 190	55,000	150	8	0.094	2.57	3.68	1.94	0.63	8.84	4.24	4.50	17.59
Plant - Rigid	12R-30	MFWD 190	64,600	150	8	0.062	1.71	2.45	1.52	0.42	6.12	3.32	3.00	12.44
Plant - Rigid	15R-15	2WD 150	64,600	150	8	0.094	2.57	2.91	2.28	0.38	8.16	4.98	2.63	15.77
Pull Levee (1m/80a))	4 blade	2WD 50	3,180	100	10	0.003	0.04	0.03	0.00	0.00	0.09	0.01	0.02	0.12
Rice Grain Cart	500 Bu	MFWD 190	34,100	200	12	0.057	0.78	2.23	0.52	0.38	3.92	1.05	2.72	7.70
Rice Grain Cart	700 Bu	MFWD 190	51,600	200	12	0.063	0.86	2.48	0.88	0.42	4.66	1.77	3.02	9.46
Roller	32'	MFWD 170	22,800	100	12	0.046	0.63	1.63	0.17	0.27	2.71	1.15	1.91	5.79
Rotary Cutter	7'	MFWD 130	4,500	185	10	0.168	2.30	4.50	0.61	0.70	8.12	0.49	4.77	13.39
Rotary Cutter	12'	2WD 150	20,200	185	10	0.098	1.34	3.03	1.60	0.40	6.38	1.28	2.74	10.41
Rotary Cutter	15'	MFWD 150	28,700	185	10	0.078	1.07	2.42	1.82	0.38	5.71	1.46	2.64	9.82
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 (Harrow)	13'	2WD 130	7,300	100	10	0.114	1.57	3.07	0.20	0.42	5.27	1.00	2.87	9.15
Row Cond (Harrow)	21'	2WD 170	12,000	100	10	0.071	0.97	2.48	0.21	0.36	4.04	1.02	2.60	7.67
Row Cond (Harrow)	27'	MFWD 190	12,400	100	10	0.057	0.78	2.24	0.17	0.38	3.59	0.85	2.74	7.19
Row Cond (Harrow)	38'	MFWD 225	22,200	100	10	0.039	0.53	1.82	0.21	0.33	2.91	1.04	2.39	6.35
Row Cond (Harrow)	42'	MFWD 225	15,582	100	10	0.035	0.48	1.64	0.13	0.30	2.57	0.66	2.16	5.41
Row Cond (Plant)	13'	2WD 130	7,120	100	10	0.157	2.14	4.20	0.27	0.57	7.21	1.34	3.93	12.48
Row Cond (Plant)	21'	2WD 170	11,700	100	10	0.097	1.33	3.40	0.28	0.50	5.52	1.36	3.56	10.45
Row Cond (Plant)	27'	MFWD 190	12,400	100	10	0.078	1.07	3.07	0.24	0.53	4.92	1.16	3.75	9.84
Row Cond (Plant)	38'	MFWD 225	16,587	100	10	0.053	0.73	2.49	0.22	0.46	3.91	1.06	3.27	8.26
Row Cond (Plant)	42'	MFWD 225	15,582	100	10	0.048	0.66	2.25	0.18	0.41	3.52	0.90	2.96	7.40
RT Cult (Early)	8R-30	2WD 170	20,774	200	12	0.103	1.40	3.60	1.02	0.53	6.58	1.19	3.78	11.55
RT Cult (Early)	12R-30	2WD 190	29,998	200	12	0.068	0.93	2.68	0.98	0.30	4.92	1.14	2.17	8.24
RT Cult (Late)	8R-30	2WD 170	20,774	200	12	0.128	1.76	4.51	1.28	0.66	8.22	1.48	4.72	14.44
RT Cult (Late)	12R-30	2WD 190	29,998	200	12	0.085	1.17	3.36	1.23	0.38	6.15	1.43	2.71	10.30
RT Cult + PD (Early)	8R-30	2WD 150	20,774	200	12	0.110	2.25	3.39	1.09	0.45	7.19	1.27	3.07	11.54
RT Cult + PD (Early)	12R-30	MFWD 225	29,998	200	12	0.073	1.50	3.39	1.05	0.63	6.58	1.22	4.47	12.28
RT Cult + PD (Late)	8R-30	2WD 170	26,264	200	12	0.137	2.81	4.81	1.73	0.71	10.07	2.00	5.04	17.12
RT Cult + PD (Late)	12R-30	2WD 190	35,493	200	12	0.091	1.87	3.58	1.55	0.40	7.43	1.80	2.89	12.13
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.15	1.64	0.34	0.28	3.42	0.77	2.00	6.21
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.15	1.64	0.34	0.28	3.42	0.77	2.00	6.21
Spray (Band)	27'	MFWD 170	7,400	200	8	0.062	1.28	2.19	0.21	0.36	4.06	0.29	2.57	6.93
Spray (Band)	40'	MFWD 170	10,200	200	8	0.042	0.86	1.48	0.20	0.24	2.79	0.27	1.73	4.81
Spray (Band)	50'	MFWD 170	10,100	200	8	0.033	0.69	1.18	0.16	0.19	2.23	0.21	1.39	3.84
Spray (Band)	53'	MFWD 170	9,940	200	8	0.031	0.65	1.11	0.14	0.18	2.10	0.20	1.31	3.62
Spray (Band)	60'	MFWD 170	13,200	200	8	0.028	0.57	0.98	0.17	0.16	1.90	0.23	1.15	

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2023.

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	28,600	200	8	0.044	0.91	1.55	0.59	0.25	3.32	0.81	1.83	5.97
Spray (Direct/Layby)	8R-30	MFWD 170	19,500	200	8	0.084	1.73	2.96	0.77	0.49	5.96	1.05	3.47	10.49
Spray (Direct/Layby)	8R-38	MFWD 170	19,500	200	8	0.066	1.37	2.34	0.61	0.38	4.71	0.83	2.74	8.29
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	29,900	200	8	0.044	0.91	1.55	0.62	0.25	3.35	0.85	1.83	6.03
Spray (Direct/Layby)	10R-30	MFWD 170	12,200	200	8	0.067	1.38	2.36	0.38	0.39	4.53	0.52	2.78	7.84
Spray (Direct/Layby)	12R-30	MFWD 170	29,500	200	8	0.056	1.15	1.97	0.78	0.32	4.23	1.06	2.31	7.61
Spray (Direct/Layby)	12R-38	MFWD 170	29,500	200	8	0.044	0.91	1.55	0.61	0.25	3.34	0.83	1.83	6.01
Spray (Direct/Layby)	16R-20	MFWD 170	34,600	200	8	0.063	1.29	2.21	1.02	0.36	4.91	1.40	2.60	8.91
Spray (Spot)	27'	MFWD 170	7,400	200	8	0.062	1.28	2.19	0.21	0.36	4.06	0.29	2.57	6.93
Spray (Spot)	40'	MFWD 170	10,200	200	8	0.042	0.86	1.48	0.20	0.24	2.79	0.27	1.73	4.81
Spray (Spot)	50'	MFWD 170	13,700	200	8	0.033	0.69	1.18	0.21	0.19	2.29	0.29	1.39	3.98
Spray (Spot)	53'	MFWD 170	10,100	200	8	0.031	0.65	1.11	0.15	0.18	2.10	0.20	1.31	3.62
Spray (Spot)	60'	MFWD 170	16,700	200	8	0.028	0.57	0.98	0.22	0.16	1.95	0.30	1.15	3.41
Stalk Shredder	14'	MFWD 150	36,300	200	10	0.117	1.61	3.63	3.74	0.58	9.57	2.56	3.96	16.10
Stalk Shredder	20'	MFWD 150	36,300	200	10	0.082	1.12	2.54	2.62	0.40	6.70	1.79	2.77	11.27
Stalk Shredder-Flail	12'	MFWD 150	26,200	200	10	0.137	1.87	4.24	3.15	0.67	9.95	2.15	4.62	16.74
Stalk Shredder-Flail	20'	MFWD 150	40,200	200	10	0.082	1.12	2.54	2.90	0.40	6.98	1.98	2.77	11.74
Subsoiler	3 shank	MFWD 190	6,500	100	15	0.204	2.79	7.99	0.44	1.37	12.60	1.28	9.75	23.65
Subsoiler	4 shank	MFWD 225	12,200	100	15	0.153	2.10	7.11	0.62	1.32	11.16	1.81	9.36	22.35
Subsoiler	5 shank	MFWD 225	17,100	100	15	0.122	1.67	5.66	0.69	1.05	9.09	2.03	7.46	18.58
Subsoiler low-till	4 shank	MFWD 225	9,830	100	15	0.153	2.10	7.11	0.50	1.32	11.04	1.46	9.36	21.88
Subsoiler low-till	6 shank	MFWD 225	20,000	100	15	0.102	1.39	4.73	0.68	0.88	7.69	1.98	6.23	15.90
Subsoiler low-till	8 shank	MFWD 225	24,300	100	15	0.076	1.04	3.54	0.61	0.66	5.87	1.80	4.66	12.34
TerraTill Bed w/roll	4R-38	MFWD 225	14,300	150	12	0.160	2.19	7.45	0.83	1.38	11.87	1.66	9.81	23.34
TerraTill Bed w/roll	6R-38	MFWD 225	19,400	150	12	0.107	1.47	4.98	0.75	0.92	8.13	1.50	6.55	16.19
TerraTill Bed w/roll	4R-30	MFWD 225	14,300	150	12	0.204	2.79	9.46	1.05	1.76	15.07	2.11	12.46	29.64
TerraTill Bed w/roll	6R-30	MFWD 225	15,310	150	12	0.136	1.86	6.31	0.75	1.17	10.10	1.50	8.30	19.91