

Projected Costs and Returns Crop Enterprise Budgets for Rice Production in Louisiana, 2017

Michael A. Deliberto, Brian M. Hilbun, and Michael E. Salassi



**Farm Management Research & Extension
Department of Agricultural Economics & Agribusiness
Louisiana State University Agricultural Center
A.E.A. Information Series No. 320 - January 2017**

January 2017

A.E.A. Information Series No. 320

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PROJECTED COSTS AND RETURNS CROP ENTERPRISE BUDGETS FOR RICE PRODUCTION IN LOUISIANA, 2017

by

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Introduction

This publication presents estimates of projected costs and returns for rice production in Louisiana for the 2017 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 2017 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 2017 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 \$10.69 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 \$15.30 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 4.75% per year. Operating capital was assumed to be borrowed in a manner consistent with timely acquisition of inputs. Fuel prices for diesel was \$1.85 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 5.00%. 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.

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, 2017.

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	6.50	5.0000	32.50	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.32	130.0000	41.60	_____
LA Phosphate	lb	0.49	40.0000	19.60	_____
LA Potash	lb	0.26	60.0000	15.60	_____
FUNGICIDES					
Quadris	oz	2.66	10.0000	26.60	_____
HERBICIDES					
Facet 75DF	lb	50.00	0.5000	25.00	_____
Londax 60DF	oz	20.27	1.0000	20.27	_____
2,4-D Amine 4	pt	1.88	2.5000	4.70	_____
INSECTICIDES					
Karate Z	oz	3.40	4.0000	13.60	_____
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.38	120.0000	45.60	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.00	3.8000	26.60	_____
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	15.30	0.3303	5.05	_____
LA Hired Labor					
Tractors	hour	10.69	0.8574	9.16	_____
LA Irrigation Labor					
Irrigation System 1	hour	10.69	0.2153	2.30	_____
DIESEL FUEL					
Tractors	gal	1.85	10.5417	19.51	_____
Self-Propelled	gal	1.85	2.5825	4.78	_____
Irrigation System 1	gal	1.85	32.8389	60.75	_____
REPAIR & MAINTENANCE					
Implements	acre	3.55	1.0000	3.55	_____
Tractors	acre	5.76	1.0000	5.76	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 1	acre	3.75	1.0000	3.75	_____
INTEREST ON OP. CAP.	acre	9.22	1.0000	9.22	_____
TOTAL DIRECT EXPENSES				513.16	_____
FIXED EXPENSES					
Implements	acre	7.87	1.0000	7.87	_____
Tractors	acre	36.00	1.0000	36.00	_____
Self-Propelled	acre	20.08	1.0000	20.08	_____
Irrigation System 1	acre	34.33	1.0000	34.33	_____
TOTAL FIXED EXPENSES				98.28	_____
TOTAL SPECIFIED EXPENSES				611.44	_____

Table 1.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Water Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2017.

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	3.19	3.55	1.84	3.88	0.12	1.31				13.77
LA Rice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	3.74	5.53	0.15	0.37	0.10	1.07				10.86
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	1.98	2.85	0.17	0.14	0.10	1.13				6.27
Ditcher		MFWD 150	0.020	1.00	Nov	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	1.74	2.58	0.46	1.95	0.04	0.50				7.23
App Fert by Air	cwt				Feb							1.5000	7.00	10.50	10.50
LA Nitrogen	lb											70.0000	0.32	22.40	22.40
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	7.00	7.00	7.00
LA Phosphate	lb											40.0000	0.49	19.60	19.60
LA Potash	lb											60.0000	0.26	15.60	15.60
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
Ditcher		MFWD 150	0.020	1.00	Feb	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Feb	1.98	2.85	0.17	0.14	0.10	1.13				6.27
Rice Gates	each			1.00	Feb							1.0000	3.65	3.65	3.65
LA Rice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Feb	0.47	0.67	0.13	0.18	0.02	0.27				1.72
LA Rice Water Level	24 ft	4WD 300	0.149	2.00	Feb	11.20	16.58	0.46	0.96	0.29	3.21				32.41
LA Rice Air Plant SW	cwt			1.00	Apr							1.2000	5.60	6.72	6.72
Rice Seed Conv.	lb											120.0000	0.38	45.60	45.60
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Facet 75DF	lb											0.5000	50.00	25.00	25.00
Londax 60DF	oz											1.0000	20.27	20.27	20.27
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
2,4-D Amine 4	pt											2.5000	1.88	4.70	4.70
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	7.00	9.10	9.10
LA Nitrogen	lb											60.0000	0.32	19.20	19.20
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Quadris	oz											10.0000	2.66	26.60	26.60
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
LA Rice Combine	25 ft		0.300	1.00	Aug	17.99	20.08			0.33	5.05				43.12
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.21	0.31	0.07	0.13	0.01	0.12				0.84
LA Rice Haul	cwt			1.00	Aug							70.0000	0.30	21.00	21.00
LA Rice Dry	cwt			1.00	Aug							77.7000	0.90	69.93	69.93
Irrigation System 1	acre				Mar				64.50	34.33	0.21	2.30	1.0000		101.13
TOTALS						43.26	56.08	68.05	42.20	1.40	16.51			376.12	602.22
INTEREST ON OPERATING CAPITAL															9.22
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															611.44

Table 1.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-47	-24	-1	23	46	70	93	116	140
85%	59.5	-19	6	31	56	81	106	132	157	182
90%	63.0	9	35	62	89	116	143	170	197	224
95%	66.5	37	65	94	123	151	180	209	237	266
100%	70.0	65	95	125	156	186	217	247	277	308
105%	73.5	93	125	157	189	221	253	286	318	350
110%	77.0	121	154	188	222	256	290	324	358	392
115%	80.5	149	184	220	256	291	327	363	398	434
120%	84.0	177	214	251	289	326	364	401	438	476

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-146	-122	-99	-75	-52	-29	-5	18	42
85%	59.5	-118	-93	-67	-42	-17	8	33	58	84
90%	63.0	-90	-63	-36	-9	18	45	72	99	126
95%	66.5	-62	-33	-4	24	53	82	110	139	168
100%	70.0	-34	-3	27	58	88	118	149	179	210
105%	73.5	-6	26	59	91	123	155	187	219	252
110%	77.0	22	56	90	124	158	192	226	260	294
115%	80.5	50	86	122	157	193	229	264	300	336
120%	84.0	78	116	153	191	228	265	303	340	378

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-99	-83	-66	-50	-34	-17	-1	16	32
85%	59.5	-80	-62	-44	-27	-9	9	26	44	61
90%	63.0	-60	-41	-22	-3	15	34	53	72	91
95%	66.5	-40	-20	0	20	40	60	80	100	120
100%	70.0	-21	1	22	43	64	86	107	128	150
105%	73.5	-1	21	44	66	89	111	134	156	179
110%	77.0	18	42	66	90	113	137	161	185	208
115%	80.5	38	63	88	113	138	163	188	213	238
120%	84.0	58	84	110	136	162	189	215	241	267

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-163	-147	-130	-114	-98	-81	-65	-48	-32
85%	59.5	-144	-126	-108	-91	-73	-55	-38	-20	-3
90%	63.0	-124	-105	-86	-67	-49	-30	-11	8	27
95%	66.5	-104	-84	-64	-44	-24	-4	16	36	56
100%	70.0	-85	-63	-42	-21	0	22	43	64	86
105%	73.5	-65	-43	-20	2	25	47	70	93	115
110%	77.0	-46	-22	2	26	49	73	97	121	144
115%	80.5	-26	-1	24	49	74	99	124	149	174
120%	84.0	-6	20	46	72	98	125	151	177	203

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, 2017.

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	6.50	5.0000	32.50	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.32	130.0000	41.60	_____
LA Phosphate	lb	0.49	40.0000	19.60	_____
LA Potash	lb	0.26	60.0000	15.60	_____
FUNGICIDES					
Quadris	oz	2.66	10.0000	26.60	_____
HERBICIDES					
Newpath 2SL	oz	3.63	8.0000	29.04	_____
Aim 2EC	oz	5.16	1.6000	8.26	_____
INSECTICIDES					
Karate Z	oz	3.40	4.0000	13.60	_____
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_____
SEED/PLANTS					
Rice Clearfield 161	lb	1.05	100.0000	105.00	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.00	3.8000	26.60	_____
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	15.30	0.3303	5.05	_____
LA Hired Labor					
Tractors	hour	10.69	0.8574	9.16	_____
LA Irrigation Labor					
Irrigation System 1	hour	10.69	0.2153	2.30	_____
DIESEL FUEL					
Tractors	gal	1.85	11.0156	20.39	_____
Self-Propelled	gal	1.85	2.5825	4.78	_____
Irrigation System 1	gal	1.85	32.8389	60.75	_____
REPAIR & MAINTENANCE					
Implements	acre	3.55	1.0000	3.55	_____
Tractors	acre	6.28	1.0000	6.28	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 1	acre	3.75	1.0000	3.75	_____
INTEREST ON OP. CAP.	acre	10.05	1.0000	10.05	_____
TOTAL DIRECT EXPENSES				561.00	_____
FIXED EXPENSES					
Implements	acre	7.87	1.0000	7.87	_____
Tractors	acre	39.24	1.0000	39.24	_____
Self-Propelled	acre	20.08	1.0000	20.08	_____
Irrigation System 1	acre	34.33	1.0000	34.33	_____
TOTAL FIXED EXPENSES				101.52	_____
TOTAL SPECIFIED EXPENSES				662.52	_____

Table 2.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Water Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2017.

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	4.59	6.79	1.84	3.88	0.12	1.31				18.41
LRice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	3.74	5.53	0.15	0.37	0.10	1.07				10.86
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	1.98	2.85	0.17	0.14	0.10	1.13				6.27
Ditcher		MFWD 150	0.020	1.00	Nov	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	1.74	2.58	0.46	1.95	0.04	0.50				7.23
App Fert by Air	cwt				Feb							1.5000	7.00	10.50	10.50
LA Nitrogen	lb											70.0000	0.32	22.40	22.40
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	7.00	7.00	7.00
LA Phosphate	lb											40.0000	0.49	19.60	19.60
LA Potash	lb											60.0000	0.26	15.60	15.60
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
Ditcher		MFWD 150	0.020	1.00	Feb	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Feb	1.98	2.85	0.17	0.14	0.10	1.13				6.27
Rice Gates	each			1.00	Feb							1.0000	3.65	3.65	3.65
LRice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Feb	0.47	0.67	0.13	0.18	0.02	0.27				1.72
LRice Water Level	24 ft	4WD 300	0.149	2.00	Feb	11.20	16.58	0.46	0.96	0.29	3.21				32.41
Irrigation System 1					Mar										
LRice Air Plant SW	cwt			1.00	Apr							1.0000	5.60	5.60	5.60
Rice Clearfield 161	lb											100.0000	1.05	105.00	105.00
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Newpath 2SL	oz											4.0000	3.63	14.52	14.52
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Newpath 2SL	oz											4.0000	3.63	14.52	14.52
Aim 2EC	oz											1.6000	5.16	8.26	8.26
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	7.00	9.10	9.10
LA Nitrogen	lb											60.0000	0.32	19.20	19.20
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Quadris	oz											10.0000	2.66	26.60	26.60
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
LA Rice Combine	25 ft		0.300	1.00	Aug	17.99	20.08			0.33	5.05				43.12
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.21	0.31	0.07	0.13	0.01	0.12				0.84
LRice Haul	cwt			1.00	Aug							70.0000	0.30	21.00	21.00
LRice Dry	cwt			1.00	Aug							77.7000	0.90	69.93	69.93
Irrigation System 1	acre				Mar			64.50	34.33	0.21	2.30				101.13
TOTALS						44.66	59.32	68.05	42.20	1.40	16.51			421.73	652.47
INTEREST ON OPERATING CAPITAL															10.05
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															662.52

Table 2.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Clearfield Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-95	-72	-48	-25	-2	22	45	69	92
85%	59.5	-67	-42	-17	8	33	59	84	109	134
90%	63.0	-39	-12	15	41	68	95	122	149	176
95%	66.5	-11	17	46	75	103	132	161	189	218
100%	70.0	17	47	78	108	138	169	199	230	260
105%	73.5	45	77	109	141	173	206	238	270	302
110%	77.0	73	107	141	174	208	242	276	310	344
115%	80.5	101	136	172	208	243	279	315	350	386
120%	84.0	129	166	204	241	278	316	353	391	428

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-197	-173	-150	-127	-103	-80	-56	-33	-9
85%	59.5	-169	-144	-118	-93	-68	-43	-18	7	33
90%	63.0	-141	-114	-87	-60	-33	-6	21	48	75
95%	66.5	-113	-84	-55	-27	2	31	59	88	117
100%	70.0	-85	-54	-24	6	37	67	98	128	159
105%	73.5	-57	-25	8	40	72	104	136	168	201
110%	77.0	-29	5	39	73	107	141	175	209	243
115%	80.5	-1	35	71	106	142	178	213	249	285
120%	84.0	27	65	102	139	177	214	252	289	327

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Percent	Yield	Rice Market Price (\$/cwt)								
	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
		----- (\$/acre) -----								
80%	56.0	-147	-131	-114	-98	-81	-65	-49	-32	-16
85%	59.5	-127	-110	-92	-75	-57	-39	-22	-4	14
90%	63.0	-108	-89	-70	-51	-32	-14	5	24	43
95%	66.5	-88	-68	-48	-28	-8	12	32	52	72
100%	70.0	-69	-47	-26	-5	17	38	59	80	102
105%	73.5	-49	-26	-4	19	41	64	86	109	131
110%	77.0	-29	-6	18	42	66	89	113	137	161
115%	80.5	-10	15	40	65	90	115	140	165	190
120%	84.0	10	36	62	88	115	141	167	193	219

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Percent	Yield	Rice Market Price (\$/cwt)								
	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
		----- (\$/acre) -----								
80%	56.0	-214	-198	-181	-165	-149	-132	-116	-99	-83
85%	59.5	-195	-177	-159	-142	-124	-106	-89	-71	-54
90%	63.0	-175	-156	-137	-118	-100	-81	-62	-43	-24
95%	66.5	-155	-135	-115	-95	-75	-55	-35	-15	5
100%	70.0	-136	-114	-93	-72	-51	-29	-8	13	35
105%	73.5	-116	-94	-71	-49	-26	-4	19	41	64
110%	77.0	-97	-73	-49	-25	-2	22	46	70	93
115%	80.5	-77	-52	-27	-2	23	48	73	98	123
120%	84.0	-57	-31	-5	21	47	74	100	126	152

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, 2017.

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	6.50	4.0000	26.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.32	130.0000	41.60	_____
LA Phosphate	lb	0.49	40.0000	19.60	_____
LA Potash	lb	0.26	60.0000	15.60	_____
FUNGICIDES					
Quadris	oz	2.66	10.0000	26.60	_____
HERBICIDES					
Command 3ME	pt	18.50	0.8000	14.80	_____
Permit 75DF	oz	18.50	1.0000	18.50	_____
INSECTICIDES					
Karate Z	oz	3.40	4.0000	13.60	_____
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.38	90.0000	34.20	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.00	3.8000	26.60	_____
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	70.0000	21.00	_____
HAND LABOR					
Implements	hour	9.06	0.0942	0.85	_____
LA OPERATOR LABOR					
Self-Propelled	hour	15.30	0.3303	5.05	_____
LA Hired Labor					
Tractors	hour	10.69	0.7118	7.60	_____
LA Irrigation Labor					
Irrigation System 2	hour	10.69	0.2074	2.22	_____
DIESEL FUEL					
Tractors	gal	1.85	7.5765	14.03	_____
Self-Propelled	gal	1.85	2.5825	4.78	_____
Irrigation System 2	gal	1.85	35.4660	65.61	_____
REPAIR & MAINTENANCE					
Implements	acre	4.59	1.0000	4.59	_____
Tractors	acre	4.34	1.0000	4.34	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 2	acre	3.61	1.0000	3.61	_____
INTEREST ON OP. CAP.	acre	8.22	1.0000	8.22	_____
TOTAL DIRECT EXPENSES				468.24	_____
FIXED EXPENSES					
Implements	acre	9.68	1.0000	9.68	_____
Tractors	acre	26.81	1.0000	26.81	_____
Self-Propelled	acre	20.08	1.0000	20.08	_____
Irrigation System 2	acre	34.33	1.0000	34.33	_____
TOTAL FIXED EXPENSES				90.90	_____
TOTAL SPECIFIED EXPENSES				559.14	_____

Table 3.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Drill Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2017.

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	4.59	6.79	1.84	3.88	0.12	1.31				18.41
LA Rice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	3.74	5.53	0.15	0.37	0.10	1.07				10.86
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	1.98	2.85	0.17	0.14	0.10	1.13				6.27
Ditcher		MFWD 150	0.020	1.00	Nov	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	1.74	2.58	0.46	1.95	0.04	0.50				7.23
App Fert by Air	cwt			1.00	Feb							1.5000	7.00	10.50	10.50
LA Nitrogen	lb											70.0000	0.32	22.40	22.40
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	7.00	7.00	7.00
LA Phosphate	lb											40.0000	0.49	19.60	19.60
LA Potash	lb											60.0000	0.26	15.60	15.60
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	1.77	2.54	1.37	2.62	0.18	1.86				10.16
Rice Seed Conv.	lb											90.0000	0.38	34.20	34.20
Ditcher		MFWD 150	0.020	1.00	Apr	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	1.98	2.85	0.17	0.14	0.10	1.13				6.27
Rice Gates	each			1.00	Apr							1.0000	3.65	3.65	3.65
LA Rice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Apr	0.47	0.67	0.13	0.18	0.02	0.27				1.72
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	1.13	1.61	0.13	0.15	0.05	0.64				3.66
Command 3ME	pt											0.8000	18.50	14.80	14.80
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Permit 75DF	oz											1.0000	18.50	18.50	18.50
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	7.00	9.10	9.10
LA Nitrogen	lb											60.0000	0.32	19.20	19.20
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Quadris	oz											10.0000	2.66	26.60	26.60
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LA Rice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
LA Rice Combine	25 ft		0.300	1.00	Aug	17.99	20.08			0.33	5.05				43.12
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.21	0.31	0.07	0.13	0.01	0.12				0.84
LA Rice Haul	cwt			1.00	Aug							70.0000	0.30	21.00	21.00
LA Rice Dry	cwt			1.00	Aug							77.7000	0.90	69.93	69.93
Irrigation System 2	acre				Mar			69.22	34.33	0.20	2.22	1.0000			105.77
TOTALS						36.36	46.89	73.81	44.01	1.34	15.72			334.13	550.92
INTEREST ON OPERATING CAPITAL															8.22
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															559.14

Table 3.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-3	21	44	68	91	115	138	161	185
85%	59.5	25	51	76	101	126	151	176	202	227
90%	63.0	53	80	107	134	161	188	215	242	269
95%	66.5	81	110	139	167	196	225	253	282	311
100%	70.0	109	140	170	201	231	262	292	322	353
105%	73.5	137	170	202	234	266	298	330	363	395
110%	77.0	165	199	233	267	301	335	369	403	437
115%	80.5	193	229	265	300	336	372	407	443	479
120%	84.0	221	259	296	334	371	409	446	483	521

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-93	-70	-47	-23	0	24	47	70	94
85%	59.5	-65	-40	-15	10	35	60	86	111	136
90%	63.0	-37	-11	16	43	70	97	124	151	178
95%	66.5	-9	19	48	77	105	134	163	191	220
100%	70.0	19	49	79	110	140	171	201	231	262
105%	73.5	47	79	111	143	175	207	240	272	304
110%	77.0	75	108	142	176	210	244	278	312	346
115%	80.5	103	138	174	210	245	281	317	352	388
120%	84.0	131	168	205	243	280	318	355	392	430

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Percent	Yield	Rice Market Price (\$/cwt)								
	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-49	-33	-17	0	16	33	49	65	82
85%	59.5	-30	-12	5	23	41	58	76	94	111
90%	63.0	-10	9	28	46	65	84	103	122	141
95%	66.5	9	29	50	70	90	110	130	150	170
100%	70.0	29	50	72	93	114	136	157	178	199
105%	73.5	49	71	94	116	139	161	184	206	229
110%	77.0	68	92	116	139	163	187	211	234	258
115%	80.5	88	113	138	163	188	213	238	263	288
120%	84.0	107	134	160	186	212	238	265	291	317

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Percent	Yield	Rice Market Price (\$/cwt)								
	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-106	-90	-73	-57	-40	-24	-8	9	25
85%	59.5	-86	-69	-51	-33	-16	2	19	37	55
90%	63.0	-67	-48	-29	-10	9	27	46	65	84
95%	66.5	-47	-27	-7	13	33	53	73	93	113
100%	70.0	-28	-6	15	36	58	79	100	122	143
105%	73.5	-8	15	37	60	82	105	127	150	172
110%	77.0	12	35	59	83	107	130	154	178	202
115%	80.5	31	56	81	106	131	156	181	206	231
120%	84.0	51	77	103	129	156	182	208	234	260

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, 2017.

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	6.50	5.0000	32.50	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.32	130.0000	41.60	_____
LA Phosphate	lb	0.49	40.0000	19.60	_____
LA Potash	lb	0.26	60.0000	15.60	_____
FUNGICIDES					
Quadris	oz	2.66	10.0000	26.60	_____
HERBICIDES					
Newpath 2SL	oz	3.63	8.0000	29.04	_____
Aim 2EC	oz	5.16	1.6000	8.26	_____
INSECTICIDES					
Karate Z	oz	3.40	4.0000	13.60	_____
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_____
SEED/PLANTS					
Rice Clearfield 161	lb	1.05	75.0000	78.75	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.00	3.8000	26.60	_____
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	70.0000	21.00	_____
HAND LABOR					
Implements	hour	9.06	0.0942	0.85	_____
LA OPERATOR LABOR					
Self-Propelled	hour	15.30	0.3303	5.05	_____
LA Hired Labor					
Tractors	hour	10.69	0.6518	6.96	_____
LA Irrigation Labor					
Irrigation System 2	hour	10.69	0.2074	2.22	_____
DIESEL FUEL					
Tractors	gal	1.85	7.2104	13.35	_____
Self-Propelled	gal	1.85	2.5825	4.78	_____
Irrigation System 2	gal	1.85	35.4660	65.61	_____
REPAIR & MAINTENANCE					
Implements	acre	4.46	1.0000	4.46	_____
Tractors	acre	4.15	1.0000	4.15	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 2	acre	3.61	1.0000	3.61	_____
INTEREST ON OP. CAP.	acre	9.25	1.0000	9.25	_____
TOTAL DIRECT EXPENSES				523.03	_____
FIXED EXPENSES					
Implements	acre	9.53	1.0000	9.53	_____
Tractors	acre	25.81	1.0000	25.81	_____
Self-Propelled	acre	20.08	1.0000	20.08	_____
Irrigation System 2	acre	34.33	1.0000	34.33	_____
TOTAL FIXED EXPENSES				89.75	_____
TOTAL SPECIFIED EXPENSES				612.78	_____

Table 4.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Drill Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2017.

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	4.59	6.79	1.84	3.88	0.12	1.31				18.41
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	3.74	5.53	0.15	0.37	0.10	1.07				10.86
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	1.98	2.85	0.17	0.14	0.10	1.13				6.27
Ditcher		MFWD 150	0.020	1.00	Nov	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	1.74	2.58	0.46	1.95	0.04	0.50				7.23
App Fert by Air	cwt			1.00	Feb							1.5000	7.00	10.50	10.50
LA Nitrogen	lb											70.0000	0.32	22.40	22.40
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	7.00	7.00	7.00
LA Phosphate	lb											40.0000	0.49	19.60	19.60
LA Potash	lb											60.0000	0.26	15.60	15.60
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	2.03	3.15	1.37	2.62	0.18	1.86				11.03
Rice Clearfield 161	lb											75.0000	1.05	78.75	78.75
Ditcher		MFWD 150	0.020	1.00	Apr	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	1.98	2.85	0.17	0.14	0.10	1.13				6.27
Rice Gates	each			1.00	Apr							1.0000	3.65	3.65	3.65
LARice Backhoe-Rxmnt	2 ft	MFWD 150	0.500	0.05	Apr	0.47	0.67	0.13	0.18	0.02	0.27				1.72
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Newpath 2SL	oz											4.0000	3.63	14.52	14.52
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Newpath 2SL	oz											4.0000	3.63	14.52	14.52
Aim 2EC	oz											1.6000	5.16	8.26	8.26
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	7.00	9.10	9.10
LA Nitrogen	lb											60.0000	0.32	19.20	19.20
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Quadris	oz											10.0000	2.66	26.60	26.60
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LARice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
LA Rice Combine	25 ft		0.300	1.00	Aug	17.99	20.08			0.33	5.05				43.12
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.21	0.31	0.07	0.13	0.01	0.12				0.84
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
Irrigation System 2	acre				Mar			69.22	34.33	0.20	2.22				105.77
TOTALS						35.49	45.89	73.68	43.86	1.28	15.08			389.53	603.53
INTEREST ON OPERATING CAPITAL															9.25
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															612.78

Table 4.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-57	-34	-11	13	36	60	83	107	130
85%	59.5	-29	-4	21	46	71	97	122	147	172
90%	63.0	-1	26	52	79	106	133	160	187	214
95%	66.5	27	55	84	113	141	170	199	227	256
100%	70.0	55	85	115	146	176	207	237	268	298
105%	73.5	83	115	147	179	211	244	276	308	340
110%	77.0	111	145	178	212	246	280	314	348	382
115%	80.5	139	174	210	246	281	317	353	388	424
120%	84.0	167	204	241	279	316	354	391	429	466

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-147	-124	-100	-77	-53	-30	-7	17	40
85%	59.5	-119	-94	-69	-44	-18	7	32	57	82
90%	63.0	-91	-64	-37	-10	17	44	70	97	124
95%	66.5	-63	-34	-6	23	52	80	109	138	166
100%	70.0	-35	-5	26	56	87	117	147	178	208
105%	73.5	-7	25	57	89	122	154	186	218	250
110%	77.0	21	55	89	123	157	191	224	258	292
115%	80.5	49	85	120	156	192	227	263	299	334
120%	84.0	77	114	152	189	227	264	301	339	376

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-104	-88	-71	-55	-39	-22	-6	11	27
85%	59.5	-85	-67	-49	-32	-14	4	21	39	56
90%	63.0	-65	-46	-27	-8	10	29	48	67	86
95%	66.5	-45	-25	-5	15	35	55	75	95	115
100%	70.0	-26	-4	17	38	59	81	102	123	145
105%	73.5	-6	16	39	61	84	106	129	151	174
110%	77.0	13	37	61	85	108	132	156	180	203
115%	80.5	33	58	83	108	133	158	183	208	233
120%	84.0	53	79	105	131	157	184	210	236	262

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	56.0	-160	-143	-127	-110	-94	-78	-61	-45	-28
85%	59.5	-140	-122	-105	-87	-70	-52	-34	-17	1
90%	63.0	-120	-102	-83	-64	-45	-26	-7	12	30
95%	66.5	-101	-81	-61	-41	-21	0	20	40	60
100%	70.0	-81	-60	-39	-17	4	25	47	68	89
105%	73.5	-62	-39	-17	6	28	51	74	96	119
110%	77.0	-42	-18	6	29	53	77	100	124	148
115%	80.5	-22	3	28	53	77	102	127	152	177
120%	84.0	-3	23	50	76	102	128	154	181	207

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, 2017.

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	6.50	4.0000	26.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	88.8000	79.92	_____
FERTILIZERS					
LA Nitrogen	lb	0.32	150.0000	48.00	_____
LA Phosphate	lb	0.49	40.0000	19.60	_____
LA Potash	lb	0.26	60.0000	15.60	_____
FUNGICIDES					
Stratego	pt	25.00	0.7100	17.75	_____
HERBICIDES					
Command 3ME	pt	18.50	0.8000	14.80	_____
Permit 75DF	oz	18.50	1.0000	18.50	_____
INSECTICIDES					
Karate Z	oz	3.40	4.0000	13.60	_____
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_____
SEED/PLANTS					
LA Hybrid Rice Seed	acre	160.00	1.0000	160.00	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.00	3.8000	26.60	_____
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	80.0000	24.00	_____
HAND LABOR					
Implements	hour	9.06	0.0942	0.85	_____
LA OPERATOR LABOR					
Self-Propelled	hour	15.30	0.3303	5.05	_____
LA Hired Labor					
Tractors	hour	10.69	0.6505	6.95	_____
LA Irrigation Labor					
Irrigation System 2	hour	10.69	0.2074	2.22	_____
DIESEL FUEL					
Tractors	gal	1.85	6.6287	12.27	_____
Self-Propelled	gal	1.85	2.5825	4.78	_____
Irrigation System 2	gal	1.85	35.4660	65.61	_____
REPAIR & MAINTENANCE					
Implements	acre	3.67	1.0000	3.67	_____
Tractors	acre	3.80	1.0000	3.80	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 2	acre	3.61	1.0000	3.61	_____
INTEREST ON OP. CAP.	acre	13.77	1.0000	13.77	_____
TOTAL DIRECT EXPENSES				606.26	_____
FIXED EXPENSES					
Implements	acre	7.74	1.0000	7.74	_____
Tractors	acre	23.41	1.0000	23.41	_____
Self-Propelled	acre	20.08	1.0000	20.08	_____
Irrigation System 2	acre	34.33	1.0000	34.33	_____
TOTAL FIXED EXPENSES				85.56	_____
TOTAL SPECIFIED EXPENSES				691.82	_____

Table 5.B Estimated resource use and costs for field operations, per acre, Rice, Hybrid Variety, Drill Planted, (In Rotation), Southwest Louisiana, 2017.

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	
Disk Harrow	32'	4WD 300	0.061	1.00	Nov	2.29	3.39	0.92	1.94	0.06	0.66				9.20
LA Hybrid Rice Seed	acre											1.0000	160.00	160.00	160.00
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	3.74	5.53	0.15	0.37	0.10	1.07				10.86
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	1.98	2.85	0.17	0.14	0.10	1.13				6.27
Ditcher		MFWD 150	0.020	1.00	Nov	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	1.74	2.58	0.46	1.95	0.04	0.50				7.23
App Fert by Air	cwt			1.00	Feb							1.5000	7.00	10.50	10.50
LA Nitrogen	lb											75.0000	0.32	24.00	24.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	7.00	7.00	7.00
LA Phosphate	lb											40.0000	0.49	19.60	19.60
LA Potash	lb											60.0000	0.26	15.60	15.60
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	1.77	2.54	1.37	2.62	0.18	1.86				10.16
Ditcher		MFWD 150	0.020	1.00	Apr	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	1.98	2.85	0.17	0.14	0.10	1.13				6.27
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	0.47	0.67	0.13	0.18	0.02	0.27				1.72
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	1.13	1.61	0.13	0.15	0.05	0.64				3.66
Command 3ME	pt											0.8000	18.50	14.80	14.80
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Permit 75DF	oz											1.0000	18.50	18.50	18.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	7.00	9.10	9.10
LA Nitrogen	lb											75.0000	0.32	24.00	24.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Stratego	pt											0.7100	25.00	17.75	17.75
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
LA Rice Combine	25 ft		0.300	1.00	Aug	17.99	20.08			0.33	5.05				43.12
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.21	0.31	0.07	0.13	0.01	0.12				0.84
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
Irrigation System 2	acre				Mar			69.22	34.33	0.20	2.22	1.0000			105.77
TOTALS						34.06	43.49	72.89	42.07	1.28	15.07			470.47	678.05
INTEREST ON OPERATING CAPITAL															13.77
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															691.82

Table 5.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Hybrid Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	64.0	-74	-47	-21	6	33	60	87	113	140
85%	68.0	-42	-13	15	44	73	102	131	159	188
90%	72.0	-10	21	51	82	113	144	175	205	236
95%	76.0	22	55	87	120	153	186	219	251	284
100%	80.0	54	89	123	158	193	228	263	297	332
105%	84.0	86	123	159	196	233	270	307	343	380
110%	88.0	118	157	195	234	273	312	351	389	428
115%	92.0	150	191	231	272	313	354	395	435	476
120%	96.0	182	225	267	310	353	396	439	481	524

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	64.0	-160	-133	-106	-79	-53	-26	1	28	55
85%	68.0	-128	-99	-70	-41	-13	16	45	74	103
90%	72.0	-96	-65	-34	-3	27	58	89	120	151
95%	76.0	-64	-31	2	35	67	100	133	166	199
100%	80.0	-32	3	38	73	107	142	177	212	247
105%	84.0	0	37	74	111	147	184	221	258	295
110%	88.0	32	71	110	149	187	226	265	304	343
115%	92.0	64	105	146	187	227	268	309	350	391
120%	96.0	96	139	182	225	267	310	353	396	439

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Percent	Yield	Rice Market Price (\$/cwt)								
	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	64.0	-137	-118	-99	-81	-62	-43	-25	-6	13
85%	68.0	-115	-94	-74	-54	-34	-14	6	26	47
90%	72.0	-92	-71	-49	-28	-6	16	37	59	80
95%	76.0	-70	-47	-24	-1	22	45	68	91	114
100%	80.0	-47	-23	1	26	50	74	99	123	147
105%	84.0	-25	1	27	52	78	104	129	155	181
110%	88.0	-3	25	52	79	106	133	160	187	215
115%	92.0	20	48	77	105	134	163	191	220	248
120%	96.0	42	72	102	132	162	192	222	252	282

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Percent	Yield	Rice Market Price (\$/cwt)								
	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	64.0	-188	-169	-151	-132	-113	-94	-76	-57	-38
85%	68.0	-166	-146	-125	-105	-85	-65	-45	-25	-5
90%	72.0	-143	-122	-100	-79	-57	-36	-14	7	29
95%	76.0	-121	-98	-75	-52	-29	-6	17	40	63
100%	80.0	-99	-74	-50	-26	-1	23	47	72	96
105%	84.0	-76	-50	-25	1	27	53	78	104	130
110%	88.0	-54	-27	1	28	55	82	109	136	163
115%	92.0	-31	-3	26	54	83	111	140	168	197
120%	96.0	-9	21	51	81	111	141	171	201	231

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, 2017.

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	0.32	55.0000	17.60	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.00	1.2000	8.40	_____
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	23.0000	6.90	_____
LA OPERATOR LABOR					
Self-Propelled	hour	15.30	0.3303	5.05	_____
LA Hired Labor					
Tractors	hour	10.69	0.0820	0.87	_____
LA Irrigation Labor					
Irrigation System 3	hour	10.69	0.0861	0.92	_____
DIESEL FUEL					
Tractors	gal	1.85	0.6332	1.17	_____
Self-Propelled	gal	1.85	2.5825	4.78	_____
Irrigation System 3	gal	1.85	13.1355	24.30	_____
REPAIR & MAINTENANCE					
Implements	acre	0.18	1.0000	0.18	_____
Tractors	acre	0.37	1.0000	0.37	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
INTEREST ON OP. CAP.	acre	1.49	1.0000	1.49	_____
TOTAL DIRECT EXPENSES				108.54	_____
FIXED EXPENSES					
Implements	acre	0.22	1.0000	0.22	_____
Tractors	acre	2.21	1.0000	2.21	_____
Self-Propelled	acre	20.08	1.0000	20.08	_____
TOTAL FIXED EXPENSES				22.51	_____
TOTAL SPECIFIED EXPENSES				131.05	_____

Table 6.B Estimated resource use and costs for field operations, per acre, Rice, Ratoon Crop, Southwest Louisiana, 2017.

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	1.33	1.90	0.11	0.09	0.07	0.75				4.18
Irrigation System 3					Aug										
App Fert by Air	cwt			1.00	Aug							1.2000	7.00	8.40	8.40
LA Nitrogen	lb											55.0000	0.32	17.60	17.60
LA Rice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
LA Rice Combine-2	25 ft		0.300	1.00	Oct	17.99	20.08			0.33	5.05				43.12
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Oct	0.21	0.31	0.07	0.13	0.01	0.12				0.84
LA Rice Haul	cwt			1.00	Oct							23.0000	0.30	6.90	6.90
LA Rice Dry	cwt			1.00	Nov							25.5000	0.90	22.95	22.95
Irrigation System 3	acre				Aug			24.30		0.08	0.92	1.0000			25.22
TOTALS						19.53	22.29	24.48	0.22	0.49	6.84			56.20	129.56
INTEREST ON OPERATING CAPITAL															1.49
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															131.05

Table 6.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Ratoon Crop,
Southwest Louisiana, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	18.4	44	52	60	68	75	83	91	98	106
85%	19.6	54	62	70	78	87	95	103	112	120
90%	20.7	63	72	81	89	98	107	116	125	134
95%	21.9	72	81	91	100	110	119	129	138	147
100%	23.0	81	91	101	111	121	131	141	151	161
105%	24.2	90	101	112	122	133	143	154	164	175
110%	25.3	100	111	122	133	144	155	167	178	189
115%	26.5	109	121	132	144	156	167	179	191	203
120%	27.6	118	130	143	155	167	180	192	204	216

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	18.4	22	30	37	45	53	60	68	76	83
85%	19.6	31	39	48	56	64	72	81	89	97
90%	20.7	40	49	58	67	76	85	93	102	111
95%	21.9	50	59	68	78	87	97	106	115	125
100%	23.0	59	69	79	89	99	109	119	129	139
105%	24.2	68	79	89	100	110	121	131	142	152
110%	25.3	77	88	99	111	122	133	144	155	166
115%	26.5	86	98	110	121	133	145	157	168	180
120%	27.6	96	108	120	132	145	157	169	182	194

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	18.4	32	37	43	48	53	59	64	70	75
85%	19.6	38	44	50	56	61	67	73	79	85
90%	20.7	45	51	57	63	69	76	82	88	94
95%	21.9	51	58	64	71	78	84	91	97	104
100%	23.0	58	65	72	79	86	93	100	107	114
105%	24.2	64	71	79	86	94	101	108	116	123
110%	25.3	70	78	86	94	102	109	117	125	133
115%	26.5	77	85	93	101	110	118	126	134	143
120%	27.6	83	92	101	109	118	126	135	144	152

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	18.4	9	15	20	25	31	36	42	47	52
85%	19.6	16	22	27	33	39	45	50	56	62
90%	20.7	22	28	35	41	47	53	59	66	72
95%	21.9	29	35	42	48	55	62	68	75	81
100%	23.0	35	42	49	56	63	70	77	84	91
105%	24.2	41	49	56	64	71	78	86	93	101
110%	25.3	48	56	64	71	79	87	95	103	110
115%	26.5	54	63	71	79	87	95	104	112	120
120%	27.6	61	69	78	87	95	104	112	121	130

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, 2017.

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	6.50	4.0000	26.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	78.0000	70.20	_____
FERTILIZERS					
LA Nitrogen	lb	0.32	170.0000	54.40	_____
FUNGICIDES					
Quadris	oz	2.66	10.0000	26.60	_____
HERBICIDES					
Command 3ME	pt	18.50	0.8000	14.80	_____
Permit 75DF	oz	18.50	1.0000	18.50	_____
INSECTICIDES					
Karate Z	oz	3.40	4.0000	13.60	_____
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_____
SEED/PLANTS					
Rice Seed Conv.	lb	0.38	90.0000	34.20	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.00	3.7000	25.90	_____
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	71.0000	21.30	_____
HAND LABOR					
Implements	hour	9.06	0.0942	0.85	_____
LA OPERATOR LABOR					
Self-Propelled	hour	15.30	0.3303	5.05	_____
LA Hired Labor					
Tractors	hour	10.69	0.8249	8.82	_____
LA Irrigation Labor					
Irrigation System 5	hour	10.69	0.4361	4.65	_____
DIESEL FUEL					
Tractors	gal	1.85	7.9039	14.63	_____
Self-Propelled	gal	1.85	2.5825	4.78	_____
Irrigation System 5	gal	1.85	28.5331	52.78	_____
REPAIR & MAINTENANCE					
Implements	acre	5.71	1.0000	5.71	_____
Tractors	acre	4.61	1.0000	4.61	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 5	acre	2.17	1.0000	2.17	_____
INTEREST ON OP. CAP.	acre	6.33	1.0000	6.33	_____

TOTAL DIRECT EXPENSES				434.49	_____
FIXED EXPENSES					
Implements	acre	12.25	1.0000	12.25	_____
Tractors	acre	28.57	1.0000	28.57	_____
Self-Propelled	acre	20.08	1.0000	20.08	_____
Irrigation System 5	acre	13.33	1.0000	13.33	_____

TOTAL FIXED EXPENSES				74.23	_____

TOTAL SPECIFIED EXPENSES				508.72	_____

Table 7.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Drill Plant, Conventional Tillage, (In Rotation), Northeast Louisiana, 2017.

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	
Disk Harrow	32'	4WD 300	0.061	1.00	Nov	2.29	3.39	0.92	1.94	0.06	0.66				9.20
Ditcher		MFWD 150	0.020	2.00	Nov	0.75	1.08	0.09	0.12	0.04	0.43				2.47
Disk Harrow	28'	MFWD 190	0.070	2.00	Mar	3.36	5.14	1.96	4.15	0.14	1.50				16.11
Irrigation System 5					Mar										
Ditcher		MFWD 150	0.020	1.00	Mar	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Field Cultivate	32'	4WD 300	0.046	1.00	Mar	1.74	2.58	0.46	1.95	0.04	0.50				7.23
LARice Levee Plow	8 ft	MFWD 190	0.050	4.00	Mar	4.78	7.32	0.31	0.75	0.20	2.14				15.30
App Fert by Air	cwt			1.00	Apr							0.4000	7.00	2.80	2.80
LA Nitrogen	lb											20.0000	0.32	6.40	6.40
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	1.77	2.54	1.37	2.62	0.18	1.86				10.16
Rice Seed Conv.	lb											90.0000	0.38	34.20	34.20
Ditcher		MFWD 150	0.020	1.00	Apr	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	1.98	2.85	0.17	0.14	0.10	1.13				6.27
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	0.47	0.67	0.13	0.18	0.02	0.27				1.72
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	1.13	1.61	0.13	0.15	0.05	0.64				3.66
Command 3ME	pt											0.8000	18.50	14.80	14.80
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	May							1.0000	6.50	6.50	6.50
Permit 75DF	oz											1.0000	18.50	18.50	18.50
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	May							2.0000	7.00	14.00	14.00
LA Nitrogen	lb											90.0000	0.32	28.80	28.80
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	Jun							1.3000	7.00	9.10	9.10
LA Nitrogen	lb											60.0000	0.32	19.20	19.20
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Quadris	oz											10.0000	2.66	26.60	26.60
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
LA Rice Combine	25 ft		0.300	1.00	Aug	17.99	20.08			0.33	5.05				43.12
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.21	0.31	0.07	0.13	0.01	0.12				0.84
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
Irrigation System 5	acre				Mar			54.95	13.33	0.43	4.65	1.0000			72.93
TOTALS						37.23	48.65	60.66	25.58	1.68	19.37			310.90	502.39
INTEREST ON OPERATING CAPITAL															6.33
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															508.72

Table 7.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	59.2	53	78	103	127	152	177	202	226	251
85%	62.9	83	109	136	163	189	216	242	269	296
90%	66.6	112	141	169	198	226	255	283	312	340
95%	70.3	142	172	203	233	263	294	324	354	384
100%	74.0	172	204	236	268	300	332	365	397	429
105%	77.7	201	235	269	303	337	371	405	439	473
110%	81.4	231	267	302	338	374	410	446	482	518
115%	85.1	260	298	336	374	411	449	487	524	562
120%	88.8	290	330	369	409	448	488	527	567	606

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	59.2	-21	4	28	53	78	103	128	152	177
85%	62.9	9	35	62	88	115	142	168	195	221
90%	66.6	38	67	95	124	152	180	209	237	266
95%	70.3	68	98	128	159	189	219	250	280	310
100%	74.0	97	130	162	194	226	258	290	322	355
105%	77.7	127	161	195	229	263	297	331	365	399
110%	81.4	157	192	228	264	300	336	372	408	443
115%	85.1	186	224	262	299	337	375	412	450	488
120%	88.8	216	255	295	334	374	414	453	493	532

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Percent	Yield	Rice Market Price (\$/cwt)								
	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	59.2	-13	4	22	39	56	74	91	108	126
85%	62.9	8	26	45	64	82	101	120	138	157
90%	66.6	29	48	68	88	108	128	148	168	188
95%	70.3	49	70	92	113	134	155	177	198	219
100%	74.0	70	92	115	138	160	183	205	228	250
105%	77.7	91	115	138	162	186	210	234	257	281
110%	81.4	111	137	162	187	212	237	262	287	312
115%	85.1	132	159	185	211	238	264	291	317	343
120%	88.8	153	181	208	236	264	291	319	347	374

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Percent	Yield	Rice Market Price (\$/cwt)								
	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	59.2	-74	-56	-39	-22	-4	13	30	48	65
85%	62.9	-53	-34	-16	3	21	40	59	77	96
90%	66.6	-32	-12	7	27	47	67	87	107	127
95%	70.3	-12	10	31	52	73	94	116	137	158
100%	74.0	9	32	54	77	99	122	144	167	189
105%	77.7	30	54	77	101	125	149	173	196	220
110%	81.4	51	76	101	126	151	176	201	226	251
115%	85.1	71	98	124	150	177	203	230	256	282
120%	88.8	92	120	147	175	203	230	258	286	314

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, 2017.

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	6.50	5.0000	32.50	_____
GIN/DRY					
LARice Dry	cwt	0.90	82.1000	73.89	_____
FERTILIZERS					
LA Nitrogen	lb	0.32	170.0000	54.40	_____
FUNGICIDES					
Quadris	oz	2.66	10.0000	26.60	_____
HERBICIDES					
Newpath 2SL	oz	3.63	8.0000	29.04	_____
Aim 2EC	oz	5.16	1.6000	8.26	_____
INSECTICIDES					
Karate Z	oz	3.40	4.0000	13.60	_____
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_____
SEED/PLANTS					
Rice Clearfield 161	lb	1.05	75.0000	78.75	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	7.00	3.7000	25.90	_____
CUSTOM HARVEST/HAUL					
LARice Haul	cwt	0.30	74.0000	22.20	_____
HAND LABOR					
Implements	hour	9.06	0.0942	0.85	_____
LA OPERATOR LABOR					
Self-Propelled	hour	15.30	0.3303	5.05	_____
LA Hired Labor					
Tractors	hour	10.69	0.7537	8.05	_____
LA Irrigation Labor					
Irrigation System 5	hour	10.69	0.4361	4.65	_____
DIESEL FUEL					
Tractors	gal	1.85	6.7604	12.52	_____
Self-Propelled	gal	1.85	2.5825	4.78	_____
Irrigation System 5	gal	1.85	28.5331	52.78	_____
REPAIR & MAINTENANCE					
Implements	acre	5.60	1.0000	5.60	_____
Tractors	acre	3.98	1.0000	3.98	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 5	acre	2.17	1.0000	2.17	_____
INTEREST ON OP. CAP.	acre	7.34	1.0000	7.34	_____

TOTAL DIRECT EXPENSES				491.77	_____
FIXED EXPENSES					
Implements	acre	12.18	1.0000	12.18	_____
Tractors	acre	24.73	1.0000	24.73	_____
Self-Propelled	acre	20.08	1.0000	20.08	_____
Irrigation System 5	acre	13.33	1.0000	13.33	_____

TOTAL FIXED EXPENSES				70.32	_____

TOTAL SPECIFIED EXPENSES				562.09	_____

Table 8.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Drill Plant, Conventional Tillage, (In Rotation), Northeast Louisiana, 2017.

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	1.68	2.57	0.98	2.08	0.07	0.75				8.06
Ditcher		MFWD 150	0.020	1.00	Nov	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Disk Harrow	28'	MFWD 190	0.070	2.00	Mar	3.36	5.14	1.96	4.15	0.14	1.50				16.11
Irrigation System 5					Mar										
Ditcher		MFWD 150	0.020	1.00	Mar	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Field Cultivate	32'	MFWD 190	0.046	1.00	Mar	1.11	1.71	0.46	1.95	0.04	0.50				5.73
LA Rice Levee Plow	8 ft	MFWD 190	0.050	4.00	Mar	4.78	7.32	0.31	0.75	0.20	2.14				15.30
App Fert by Air	cwt			1.00	Apr							0.4000	7.00	2.80	2.80
LA Nitrogen	lb											20.0000	0.32	6.40	6.40
LA Rice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	1.77	2.54	1.37	2.62	0.18	1.86				10.16
Rice Clearfield 161	lb											75.0000	1.05	78.75	78.75
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	1.98	2.85	0.17	0.14	0.10	1.13				6.27
Ditcher		MFWD 150	0.020	1.00	Apr	0.38	0.54	0.05	0.06	0.02	0.21				1.24
Rice Gates	each			1.00	Apr							1.0000	3.65	3.65	3.65
LA Rice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Apr	0.47	0.67	0.13	0.18	0.02	0.27				1.72
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Newpath 2SL	oz											4.0000	3.63	14.52	14.52
LA Rice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LA Rice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	May							1.0000	6.50	6.50	6.50
Newpath 2SL	oz											4.0000	3.63	14.52	14.52
Aim 2EC	oz											1.6000	5.16	8.26	8.26
LA Rice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	May							2.0000	7.00	14.00	14.00
LA Nitrogen	lb											90.0000	0.32	28.80	28.80
LA Rice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	Jun							1.3000	7.00	9.10	9.10
LA Nitrogen	lb											60.0000	0.32	19.20	19.20
LA Rice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.50	6.50	6.50
Quadris	oz											10.0000	2.66	26.60	26.60
LA Rice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.50	6.50	6.50
Karate Z	oz											2.0000	3.40	6.80	6.80
LA Rice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
LA Rice Combine	25 ft		0.300	1.00	Aug	17.99	20.08			0.33	5.05				43.12
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.21	0.31	0.07	0.13	0.01	0.12				0.84
LA Rice Haul	cwt			1.00	Aug							74.0000	0.30	22.20	22.20
LA Rice Dry	cwt			1.00	Aug							82.1000	0.90	73.89	73.89
Irrigation System 5	acre				Mar			54.95	13.33	0.43	4.65	1.0000			72.93
TOTALS						34.49	44.81	60.55	25.51	1.61	18.60			370.79	554.75
INTEREST ON OPERATING CAPITAL															7.34
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															562.09

Table 8.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	59.2	0	25	50	75	100	124	149	174	199
85%	62.9	30	57	83	110	137	163	190	216	243
90%	66.6	60	88	117	145	174	202	230	259	287
95%	70.3	89	120	150	180	211	241	271	301	332
100%	74.0	119	151	183	215	248	280	312	344	376
105%	77.7	148	182	217	251	285	319	353	387	421
110%	81.4	178	214	250	286	322	357	393	429	465
115%	85.1	208	245	283	321	359	396	434	472	509
120%	88.8	237	277	316	356	396	435	475	514	554

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	59.2	-70	-45	-20	4	29	54	79	103	128
85%	62.9	-40	-14	13	40	66	93	119	146	173
90%	66.6	-11	18	46	75	103	132	160	189	217
95%	70.3	19	49	80	110	140	171	201	231	261
100%	74.0	49	81	113	145	177	209	242	274	306
105%	77.7	78	112	146	180	214	248	282	316	350
110%	81.4	108	144	179	215	251	287	323	359	395
115%	85.1	137	175	213	250	288	326	364	401	439
120%	88.8	167	207	246	286	325	365	404	444	483

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	59.2	-66	-48	-31	-14	4	21	38	56	73
85%	62.9	-45	-26	-8	11	30	48	67	86	104
90%	66.6	-24	-4	16	36	56	75	95	115	135
95%	70.3	-3	18	39	60	81	103	124	145	166
100%	74.0	17	40	62	85	107	130	152	175	197
105%	77.7	38	62	86	109	133	157	181	205	228
110%	81.4	59	84	109	134	159	184	209	234	260
115%	85.1	79	106	132	159	185	211	238	264	291
120%	88.8	100	128	156	183	211	239	266	294	322

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, 2017.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
Yield		Rice Market Price (\$/cwt)								
Percent	(cwt.)	\$8.00	\$8.50	\$9.00	\$9.50	\$10.00	\$10.50	\$11.00	\$11.50	\$12.00
----- (\$/acre) -----										
80%	59.2	-123	-105	-88	-71	-53	-36	-19	-1	16
85%	62.9	-102	-83	-65	-46	-27	-9	10	29	47
90%	66.6	-81	-61	-41	-21	-1	18	38	58	78
95%	70.3	-60	-39	-18	3	24	46	67	88	109
100%	74.0	-40	-17	5	28	50	73	95	118	140
105%	77.7	-19	5	29	52	76	100	124	148	171
110%	81.4	2	27	52	77	102	127	152	177	203
115%	85.1	22	49	75	102	128	154	181	207	234
120%	88.8	43	71	99	126	154	182	209	237	265

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, 2017.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Underground Pipe 1	each								10.91	10.91
Gearhead 1	each								2.08	2.08
Engine 1	each								8.02	8.02
Application 1	Ac-in		9.72	0.60	0.37		0.42	11.11		11.11
Application 2	Ac-in		9.72	0.60	0.37		0.38	11.07		11.07
Application 3	Ac-in		12.15	0.75	0.46		0.42	13.78		13.78
Application 4	Ac-in		14.58	0.90	0.55		0.44	16.47		16.47
Application 5	Ac-in		14.58	0.90	0.55		0.38	16.41		16.41
Well 1	each								6.78	6.78
Pump 1	each								6.54	6.54
TOTALS		0.00	60.75	3.75	2.30	0.00	2.04	68.84	34.33	103.17

Note: Total irrigation application of 25 acre-inches.

Appendix Table 2. Rice Irrigation System 2 Costs, Drill Planted, Southwest Louisiana, 2017.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Pump 2	each								6.54	6.54
Gearhead 2	each								2.08	2.08
Engine 2	each								8.02	8.02
Application 1	Ac-in		7.29	0.40	0.25		0.31	8.25		8.25
Application 2	Ac-in		7.29	0.40	0.25		0.31	8.25		8.25
Application 3	Ac-in		12.15	0.67	0.41		0.47	13.70		13.70
Application 4	Ac-in		12.15	0.67	0.41		0.42	13.65		13.65
Application 5	Ac-in		14.58	0.80	0.49		0.44	16.31		16.31
Application 6	Ac-in		12.15	0.67	0.41		0.31	13.54		13.54
Well 2	each								6.78	6.78
Underground Pipe 2	each								10.91	10.91
TOTALS		0.00	65.61	3.61	2.22	0.00	2.26	73.70	34.33	108.03

Note: Total irrigation application of 28 acre-inches.

Appendix Table 3. Rice Irrigation System 3 Costs, Ratoon Crop, Southwest Louisiana, 2017.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Engine 1a	each									
Application 1	Ac-in		17.01		0.64		0.35	18.00		18.00
Application 2	Ac-in		7.29		0.28		0.12	7.69		7.69
TOTALS		0.00	24.30	0.00	0.92	0.00	0.47	25.69	0.00	25.69

Note: Total irrigation application of 10 acre-inches.

Appendix Table 4. Rice Irrigation System 5 Costs, Drill Planted, Northeast Louisiana, 2017.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	-----DIRECT COST-----							FIXED COST	TOTAL COST
		OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL		
-----dollars-----										
Engine 4	each								4.02	4.02
Application 1	Ac-in		8.51	0.34	0.75		0.34	9.94		9.94
Application 2	Ac-in		8.51	0.34	0.75		0.34	9.94		9.94
Application 3	Ac-in		8.51	0.34	0.75		0.27	9.87		9.87
Application 4	Ac-in		17.03	0.67	1.50		0.46	19.66		19.66
Application 5	Ac-in		8.51	0.34	0.75		0.19	9.79		9.79
Gearhead 4	each								1.09	1.09
Pump 4	each								3.45	3.45
Well 4	each								2.26	2.26
Underground Pipe 4	each								2.73	2.73
TOTALS		0.00	51.07	2.03	4.50	0.00	1.60	59.20	13.55	72.75

Note: Total irrigation application of 31 acre-inches

Appendix Table 5. Operating Inputs: Estimated Prices for 2017.

ITEM NAME	UNIT	PRICE
CUSTOM FERT/LIME		
App Fert by Air(Min)	appl	7.00
Custom Apply Fert	acre	7.00
Custom Spread(Truc	appl	4.50
Lime (Spread)	ton	46.00
CUSTOM HARVEST/HAUL		
Custom Combine Rice	acre	0.00
Haul Corn	bu	0.23
Haul Cotton	lb	0.02
Haul Rice	bu	0.35
Haul Rice (cwt)	cwt	0.25
Haul Sorghum	bu	0.25
Haul Soybeans	bu	0.27
Haul Wheat	bu	0.26
LARice Haul	cwt	0.30
CUSTOM PLANT		
Custom Spread + Seed	appl	0.00
LARice Air Plant NE	cwt	5.50
LARice Air Plant SW	cwt	5.60
Plant by Air	cwt	7.00
CUSTOM SPRAY		
App 2,4-D Helicopter	appl	0.00
App by Air (1 gal)	appl	2.50
App by Air (2 gal)	appl	4.00
App by Air (3 gal)	appl	5.00
App by Air (5 gal)	appl	6.50
App by Air (10 gal)	appl	8.50
App Furadan by Air	appl	0.00
App Ordram by Air	appl	0.00
Custom Apply	acre	7.00
Custom Terragator	acre	5.00
LARice GPS Charge-SW	acre	0.35
LARice GPS Charge_NE	acre	0.25
Spray Levees, 4whlr	acre	0.00
FERTILIZERS		
Amm Nitrate (34% N)	cwt	22.50
Amm Sulfate (21% N)	cwt	17.23
Anhy Ammonia (82% N)	cwt	28.00
Boron (Solubor)	lb	0.75
Crop Oil (Seed Oil)	pt	4.60
DAP	cwt	24.82
Fert 0-20-20	cwt	0.00
Fert 10-10-10	cwt	0.00
Fert 10-34-0	cwt	28.58
Fert 10-34-0	gal	0.00
Fert 13-13-13	cwt	0.00
Fert 41-0-0-4	cwt	16.85
Fert 5-20-20	cwt	0.00
LA Nitrogen	lb	0.32
LA Phosphate	lb	0.49
LA Potash	lb	0.26
Phosphorus(46% P2O5)	cwt	21.88
Potash (60% K2O)	cwt	16.97
Sulfur	lb	0.34
UAN (32% N)	cwt	14.31
UAN + Sulfur (28% N)	cwt	14.48
Urea, Solid (46% N)	cwt	16.78
Zinc	lb	0.50
FUNGICIDES		
Apron Maxx RTA	oz	0.93
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	5.41
Crop Oil (Petroleum)	pt	3.86
Cruiser 5FS	oz	17.38
Delta Coat AD	oz	3.75
Dithane F-45	qt	9.08
Dithane Rainsheild	lb	4.15
Fungicide	lb	2.82

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2017.

ITEM NAME	UNIT	PRICE
FUNGICIDES CONT'D		
Gem 25 WG	oz	3.70
Manzate 75 DF	lb	5.54
Manzate Flowable	pt	4.60
Moncut 70 DF	lb	38.35
Orbit	oz	2.75
Prevail	lb	28.50
Quadris	oz	2.66
Ridomil GoldPC 10G	lb	2.08
Ridomil Gold PC	lb	5.30
Ridomil Gold PC Liq	oz	6.54
Rovral 4F	pt	16.97
Rovral WG	lb	0.00
Shelter	oz	8.50
Stiletto	oz	0.58
Stratego	pt	25.00
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	0.85
Vitavax 200	oz	0.47
Vitavax M Flowable	oz	1.06
Vitavax RTU-Thiram	oz	0.40
Vitavax T-L	oz	0.29
GIN/DRY		
Dry Corn	bu	0.19
Dry Grain Sorghum	cwt	0.25
Dry Rice	bu	0.40
Dry Rice (cwt)	cwt	0.90
Gin	lb	0.11
LARice Dry	cwt	0.90
GROWTH REGULATORS		
Early Harvest PGR	oz	1.55
LA Polado	oz	0.14
Mepex	oz	0.13
PGR IV	oz	1.55
Pix Plus	oz	0.40
Pix Ultra	oz	0.39
HARVEST AIDS		
Accelerate	pt	2.59
Ammonium Sulfate	lb	0.24
Boll'd	pt	7.01
CottonQuik	pt	6.06
Def 6	pt	6.88
Def/Folex	pt	7.55
Dropp 50 WP	lb	45.45
Dropp SC	oz	1.09
Ethephon 6E	pt	3.38
Finish 6	pt	10.25
Folex 6EC	pt	9.32
Ginstar EC	pt	30.23
Gramoxone Extra	pt	4.86
Gramoxone Inteon	oz	0.26
Gramoxone Max	pt	4.06
Harvade 5F	oz	0.67
Leafless	pt	18.56
Prep	pt	2.75
Sodium Chlorate 3L	gal	3.50
Sodium Chlorate 6L	gal	5.57
Starfire	pt	0.00
HERBICIDES		
2,4-D Amine 4	pt	1.88
2,4-D Ester	pt	3.00
AAtrex 4L	pt	2.58
AAtrex NINE-O	lb	4.52
Accent Gold	oz	6.12
Accent SP	oz	36.25
Aim 2EC	oz	5.16
Aim DF	oz	9.65
App Fert by Air	cwt	7.00
Arrosolo	qt	7.88
Assure II	oz	0.84

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2017.

ITEM NAME	UNIT	PRICE
HERBICIDES CONT'D		
Atrazine 4L	pt	1.50
Atrazine 90DF	lb	3.60
Authority 75DF	lb	26.95
Axiom 68DF	lb	25.74
Backdraft	pt	2.40
Banvel	pt	15.02
Basagran	pt	15.81
Basis Gold	lb	9.00
Beacon 75% WSP	oz	34.87
Beyond	oz	4.97
Bicep II Magnum	qt	11.69
Bicep II zmsgnum	qt	10.97
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	7.67
Boundary	pt	10.18
Buctril 4EC	pt	17.06
Butoxone 175(2,4-DB)	pt	3.24
Butoxone 200(2,4-DB)	pt	3.92
Butyrac 175 (2,4-DB)	pt	3.55
Butyrac 200 (2,4-DB)	pt	4.77
Canopy 75%	oz	2.70
Canopy XL	oz	2.23
Caparol 4L	pt	4.44
Caparol Accu-Pak	lb	0.00
Celebrity Plus	lb	84.50
Clarity	pt	11.18
Classic	oz	16.95
Clincher EC	oz	2.30
Cobra 2EC	oz	1.68
Command 3ME	pt	18.50
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	6.31
Cotoran DF	lb	7.92
Cotton Pro Flowable	pt	3.98
Crossbow	pt	8.05
Cy-Pro 4L	qt	0.00
Cypro 90DF	lb	0.00
Delta Goal	pt	9.44
Denim 0.16 EC	pt	24.06
Detail	pt	7.99
Direx 4L	pt	3.29
Direx 80 DF	lb	6.20
Diuron 4L	pt	3.36
Diuron 80 DF	lb	5.81
Domain 60DF	lb	12.75
DSMA 4	pt	0.90
Dual 8E	pt	0.00
Dual II Magnum	pt	13.50
Dual Magnum	pt	14.97
Duet	pt	4.75
Evik DF 80W	lb	11.22
Exceed	oz	10.71
Exceed Custom Pak	oz	11.50
Expert	pt	4.95
Facet 75DF	lb	50.00
First Rate	oz	41.21
Flexstar HL	pt	4.50
FloMet 4L	pt	4.74
Freedom	qt	2.51
Front Row	oz	21.92
Frontier 6.0	oz	0.63
Fultime	pt	6.29

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2017.

ITEM NAME	UNIT	PRICE
HERBICIDES CONT'D		
Fusilade DX	oz	1.13
Fusion	pt	29.86
Glyfos	pt	1.80
Glyphomax	pt	3.49
Glyphosate Plus 4L	pt	1.88
Glystar Plus	pt	2.64
Goal 2XL	pt	10.80
Gramoxone Extra	pt	0.00
Gramoxone Max	pt	5.46
Gramoxone Max	pt	5.46
Grandstand R	qt	17.15
Guardman	pt	4.66
Guardman Max	pt	7.22
Harmony Extra	oz	12.02
Hoelon 3EC	pt	11.03
Karmex DF	lb	5.93
LA Asulox/Asulam	gal	38.80
LA Weedmaster	qt	6.15
Lariat	qt	7.58
Lasso 4EC	qt	6.60
Lasso II 15G	lb	0.00
Layby Pro	qt	12.60
Lexone 75DF	lb	18.90
Liberty	pt	8.84
Lightning	oz	14.25
Lightning	oz	14.25
Linex 4L	pt	11.23
Londax 60DF	oz	20.27
Lorox 50DF	lb	26.36
Matador	pt	0.00
MSMA 6.6	pt	3.66
MSMA6 + Surfactant	pt	2.63
Newpath 2SL	oz	3.63
Ordram 15-G	lb	1.34
Ordram 8-E	pt	9.42
Outlook	pt	19.31
Pendimax 3.3	pt	2.47
Permit 75DF	oz	18.50
Poast 1.53	pt	13.41
Poast Plus	pt	9.69
Propanil 4E	qt	5.15
Prowl 3.3 EC	pt	6.86
Pursuit DG	oz	11.59
Pursuit Plus EC	pt	7.10
Python WDG	oz	15.58
Raptor	oz	4.96
Reflex 2LC	pt	6.56
Regiment 80WP	oz	4.38
Remedy	pt	8.45
Resource .86EC	pt	29.40
Ricestar	pt	24.54
Roundup Original	pt	6.00
Roundup Original Max	oz	0.38
Roundup Power Max	pt	2.25
Roundup Ultra MAX	pt	5.97
Roundup Ultra Dry	lb	6.14
Roundup WeatherMax	oz	0.08
Scepter 70 DG	oz	5.06
Select 2EC	oz	0.78
Sencor 4F	pt	14.74
Sencor DF	lb	9.50
Squadron CE	pt	4.55
Stam 4E	qt	5.12
Stam 80 EDF	lb	10.85
Staple 85%	oz	16.01
Staple Plus	oz	8.55
Steadfast	oz	12.40
Steel	pt	10.28
Storm	pt	12.75
Strongarm	oz	62.62
Superwham	qt	9.78
Suprend	lb	13.49

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2017.

ITEM NAME	UNIT	PRICE
HERBICIDES CONT'D		
Surpass 20G	lb	2.36
Surpass EC	qt	29.04
Touchdown	qt	9.32
Touchdown 4 IQ	pt	3.33
Touchdown Total	qt	8.38
Treflan HFP	pt	2.90
Treflan TR-10	lb	1.10
Tri-Scept	pt	5.24
Trifluralin 4EC	pt	4.01
Trilin 10G	lb	0.79
Trilin 4EC	pt	2.12
Typhoon	qt	13.06
Valor WP	oz	6.38
Whip 360	pt	25.08
Zorial Rapid 80DF	lb	14.10
INSECTICIDES		
Acephate 80SP	lb	0.00
Acephate 90SP	lb	8.69
Admire 2 Flowable	oz	4.78
Ammo 2.5 EC	oz	0.92
Asana .66 XL	oz	0.67
Aztec 2.1% G	lb	3.88
Baythroid 2	oz	2.30
Bidrin 8L	oz	0.90
Brigade EC	pt	3.50
Brigade WSB	lb	26.04
Capture 2EC	oz	2.40
Carbamate	oz	0.00
Centric 40WG	oz	5.21
Comite	pt	9.46
Condor XL	pt	0.00
Confirm 2F	oz	1.86
Counter 15G	lb	4.51
Counter CR	lb	2.65
Curacron 8E	pt	10.75
Decis 1.5EC	oz	2.84
Declare	pt	4.08
Denim 0.16EC	pt	32.63
Di-Syston 15G	lb	3.48
Di-Syston 8	pt	14.32
Diamond .83EC	pt	21.84
Dimethoate 4E	pt	5.88
Dimilin 2L	oz	2.12
Dipel DF	lb	14.47
Dipel ES	pt	5.50
Force 3G	lb	7.41
Furadan 3G	lb	0.00
Furadan 4F	pt	9.81
Fury 1.5 EC	oz	1.30
Gaucho 480	oz	5.80
Intrepid 2F	oz	1.80
Intruder 70WP	oz	10.99
Karate Z	oz	3.40
Lannate LV	pt	12.23
Lannate SP	oz	2.42
Larvin 3.2	oz	0.63
Leverage 2.7	oz	1.95
Lorsban 15G	lb	2.40
Lorsban 4E	pt	6.66
Malathion 57EC	pt	4.23
Malathion 8E	pt	5.33
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	1.48
Organophosphate	oz	0.00
Orthene 90S	lb	5.75
Orthene 97	lb	10.90
Ovasyn	pt	0.00
Ovicide	oz	0.00

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2017.

ITEM NAME	UNIT	PRICE
INSECTICIDES CONT'D		
Penncap M	pt	6.71
Phaser 3E	qt	8.13
Pirate 3SC	oz	0.00
Pounce 25WP	lb	16.80
Pounce 3.2 EC	oz	0.91
Provado 1.6F	oz	1.94
Scout X-TRA	oz	0.00
Sevin 80S	lb	7.40
Sevin XLR Plus	qt	15.07
Spintor 2SC	oz	4.93
Steward	pt	39.51
Surfactant	pt	3.69
Synthetic Pyrethroid	oz	0.00
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
Trimax	oz	1.85
Vydate C-LV	oz	0.93
Warrior Z	oz	1.80
Warrior ZT	oz	1.88
IRRIGATION SUPPLIES		
Rice Gates	each	3.65
Roll-Out Pipe	ft	0.25
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	2.60
Corn Seed BtRR	thous	3.89
Corn Seed Conv.	thous	2.59
Corn Seed RR	thous	3.44
Corn Seed VT3	thous	3.52
Corn Seed VT3Pro	thous	3.52
Cotton Seed BG/RR	thous	0.62
Cotton Seed BGII/RRF	thous	0.61
Cotton Seed Bt	thous	0.28
Cotton Seed BtRR	thous	1.26
Cotton Seed Exn	thous	0.00
Cotton Seed Conv.	thous	0.00
Cotton Seed Liberty	thous	1.05
Cotton Seed Liberty	thous	1.05
Cotton Seed RR	thous	0.63
Cotton Seed RR	thous	0.63
Cotton Seed WS	thous	0.49
Cotton Seed WS/RR	thous	0.00
Cotton Seed WS/RRF	thous	0.59
Rice Clearfield 161	lb	1.05
Rice Clearfield XL8	lb	6.12
Rice Seed (Levees)	lb	0.38
Rice Seed CF(Levees)	lb	1.65
Rice Seed Conv.	lb	0.38
Rice Seed Hybrid	lb	5.57
SC Cultured seedcane	acre	484.00
Sorghum Concept	lb	3.16
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	0.90
Soybean Seed Stack	lb	1.28
Wheat Seed Private	lb	0.25
Wheat Seed Public	lb	0.00

Appendix Table 5 Cont'd. Operating Inputs: Estimated Prices for 2017.

ITEM NAME	UNIT	PRICE
TECHNOLOGY FEE CONT'D		
SERVICE FEE		
Cotton Checkoff	bale	2.56
Cotton Storage	bale	25.00
Crop Consultant	acre	7.00
Insect Scouting	acre	7.00
Rice Consultant	acre	8.00
SC Treating Charge	acre	0.00
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	69.25
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
RRF Cotton Tech Fee	cap/ac	48.25

Appendix Table 6. Tractors: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Louisiana 2017.

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 (170-199 hp)	190hp	0	300	8	9.78	13.40	18.09	0.00	31.49	0.00	31.49
Combine (200-249 hp)	240hp	161,548	300	8	12.35	13.40	22.84	16.82	53.07	66.39	119.47
Combine (225-274 hp)	Track250hp	0	300	8	12.87	13.40	23.80	0.00	37.20	0.00	37.20
Combine (250-299 hp)	275hp	323,000	300	8	14.15	13.40	26.17	33.64	73.22	132.75	205.98
Combine (250-299hp)	Grass295hp	218,222	300	8	15.18	13.40	28.08	22.73	64.21	89.69	153.90
Combine (275-299 hp)	Track290hp	0	300	8	14.93	13.40	27.62	0.00	41.02	0.00	41.02
Combine (300-349 hp)	325hp	336,000	300	8	16.73	13.40	30.95	35.00	79.35	138.10	217.45
Combine (300-349hp)	Track320hp	0	300	8	16.47	13.40	30.46	0.00	43.86	0.00	43.86
Combine (350-379 hp)	370hp	344,000	300	8	19.04	13.40	35.22	35.83	84.45	141.39	225.84
Combine (350-379 hp)	Track365hp	0	300	8	18.79	13.40	34.76	0.00	48.16	0.00	48.16
Cotton Stripper	173hp	170,000	200	8	8.08	13.40	14.94	26.56	54.91	104.80	159.71
SC Tractor 93 MDR	93	46,683	600	10	4.79	10.69	8.86	2.72	22.27	7.84	30.12
SC Tractpr 68 MDR	68	27,049	600	10	3.50	10.69	6.47	1.57	18.74	4.54	23.29
test-mes		0	0	0	0.00	13.40	0.00	0.00	0.00	0.00	0.00
Tractor(40-59hp)Cab	2WD 50	32,200	600	8	2.57	10.69	4.76	1.00	16.45	6.05	22.51
Tractor(40-59hp)Cab	MFWD 50	39,100	600	8	2.57	10.69	4.76	1.22	16.67	7.35	24.02
Tractor(40-59hp)RB	2WD 50	20,900	600	8	2.57	10.69	4.76	0.65	16.10	3.93	20.03
Tractor(40-59hp)RB	MFWD 50	24,300	600	8	2.57	10.69	4.76	0.75	16.21	4.56	20.78
Tractor(60-89hp)CAB	2WD 75	48,300	600	8	3.86	10.69	7.14	1.50	19.34	9.08	28.42
Tractor(60-89hp)CAB	MFWD 75	54,100	600	8	3.86	10.69	7.14	1.69	19.52	10.17	29.69
Tractor(60-89hp)RB	2WD 75	34,400	600	8	3.86	10.69	7.14	1.07	18.90	6.46	25.37
Tractor(60-89hp)RB	MFWD 75	35,800	600	8	3.86	10.69	7.14	1.11	18.95	6.73	25.68
Tractor(90-119hp)CB	2WD 105	65,300	600	8	5.40	10.69	9.99	2.04	22.72	12.28	35.00
Tractor(90-119hp)CB	MFWD 105	77,400	600	8	5.40	10.69	9.99	2.41	23.10	14.55	37.66
Tractor(90-119hp)RB	2WD 105	57,600	600	8	5.40	10.69	9.99	1.80	22.48	10.83	33.32
Tractor(90-119hp)RB	MFWD 105	62,100	600	8	5.40	10.69	9.99	1.94	22.62	11.67	34.30
Tractor(120-139hp)CB	2WD 130	177,000	600	8	6.69	10.69	12.37	5.53	28.60	33.28	61.88
Tractor(120-139hp)CB	MFWD 130	123,000	600	8	6.69	10.69	12.37	3.84	26.91	23.13	50.04
Tractor(140-159hp)CB	2WD 150	108,000	600	8	7.72	10.69	14.28	3.37	28.34	20.30	48.65
Tractor(140-159hp)CB	MFWD 150	143,000	600	8	7.72	10.69	14.28	4.46	29.44	26.89	56.33
Tractor(160-179hp)CB	2WD 170	156,000	600	8	8.75	10.69	16.18	4.87	31.75	30.69	62.45
Tractor(160-179hp)CB	MFWD 170	170,000	600	8	8.75	10.69	16.18	5.31	32.19	33.45	65.64
Tractor(160-199hp)CB	Track 180	142,710	600	8	9.26	10.69	17.14	4.45	32.29	28.08	60.37
Tractor(180-199hp)CB	2WD 190	143,000	600	8	9.77	10.69	18.09	4.46	33.25	28.13	61.39
Tractor(180-199hp)CB	MFWD 190	186,000	600	8	9.77	10.69	18.09	5.81	34.59	36.60	71.19
Tractor(200-249hp)CB	4WD 225	147,066	600	8	11.58	10.69	21.42	4.59	36.71	28.93	65.65
Tractor(200-249hp)CB	MFWD 225	218,000	600	8	11.58	10.69	21.42	6.81	38.92	42.89	81.82
Tractor(200-249hp)CB	Track 225	277,000	600	8	11.58	10.69	21.42	8.65	40.77	54.50	95.28
Tractor(250-349hp)CB	4WD 300	281,000	600	8	15.44	10.69	28.56	8.78	48.03	55.29	103.33
Tractor(250-349hp)CB	Track 300	292,000	600	8	15.44	10.69	28.56	9.12	48.38	57.46	105.84
Tractor(350-449hp)CB	4WD 400	325,000	600	8	20.58	10.69	38.08	10.15	58.93	63.95	122.89
Tractor(350-449hp)CB	Track 400	351,000	600	8	20.58	10.69	38.08	10.96	59.74	69.07	128.81
Tractor(450-uphp)CB	TRACK-475	279,879	600	8	24.44	10.69	45.23	8.74	64.66	55.07	119.74

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 2017.

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'	8,750	100	8	1.00	0.200	2.68	0.38	0.43	3.49	2.06	5.56
Butt Levee (Backhoe)	70 HP	73,300	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	11.67	7.76	11.76	31.20	46.42	77.63
Cotton Picker-1st-BB	4R2X1260hp	357,000	200	8	13.33	0.172	3.87	4.24	9.61	17.73	37.92	55.65
Cotton Picker-1st-BB	4R30"250hp	262,000	200	8	12.86	0.327	7.35	7.79	13.40	28.54	52.88	81.43
Cotton Picker-1st-BB	4R30"325hp	350,000	200	8	18.01	0.327	7.35	10.90	17.90	36.16	70.64	106.80
Cotton Picker-1st-BB	4R38"255hp	268,000	200	8	13.12	0.257	5.78	6.25	10.79	22.84	42.59	65.43
Cotton Picker-1st-BB	4R38"325hp	351,000	200	8	18.01	0.257	5.78	8.58	14.13	28.51	55.78	84.29
Cotton Picker-1st-BB	5R30"255hp	285,000	200	8	12.86	0.261	5.88	6.23	11.66	23.77	46.01	69.79
Cotton Picker-1st-BB	5R38"250hp	284,601	200	8	12.86	0.207	4.65	4.93	9.21	18.80	36.35	55.15
Cotton Picker-1st-BB	6R30"325hp	465,000	200	8	18.27	0.218	4.90	7.37	15.85	28.13	62.56	90.70
Cotton Picker-1st-BB	6R38"330hp	465,000	200	8	18.27	0.172	3.87	5.82	12.51	22.21	49.39	71.61
Cotton Picker-1st-Tr	2R38"157hp	144,912	200	8	8.08	0.519	11.67	7.76	11.76	31.20	46.42	77.63
Cotton Picker-1st-Tr	4R2X1255hp	357,000	200	8	18.01	0.172	3.87	5.74	9.61	19.22	37.92	57.14
Cotton Picker-1st-Tr	4R30"250hp	261,825	200	8	12.86	0.327	7.35	7.79	13.39	28.53	52.84	81.38
Cotton Picker-1st-Tr	4R30"325hp	311,088	200	8	16.72	0.327	7.35	10.13	15.91	33.39	62.78	96.18
Cotton Picker-1st-Tr	4R38"255hp	268,000	200	8	13.12	0.257	5.78	6.25	10.79	22.84	42.59	65.43
Cotton Picker-1st-Tr	4R38"325hp	351,000	200	8	18.01	0.257	5.78	8.58	14.13	28.51	55.78	84.29
Cotton Picker-1st-Tr	5R30"255hp	285,303	200	8	13.12	0.261	5.88	6.35	11.67	23.91	46.06	69.98
Cotton Picker-1st-Tr	5R38"250hp	290,471	200	8	12.86	0.207	4.65	4.93	9.40	18.99	37.10	56.09
Cotton Picker-1st-Tr	6R30"325hp	465,000	200	8	16.72	0.218	4.90	6.75	15.85	27.51	62.56	90.08
Cotton Picker-1st-Tr	6R38"330hp	465,000	200	8	18.01	0.172	3.87	5.74	12.51	22.13	49.39	71.52
Cotton Picker-2nd-BB	2R38"157hp	144,912	200	8	8.08	0.440	9.88	6.57	9.96	26.43	39.32	65.75
Cotton Picker-2nd-BB	4R2x1260hp	357,000	200	8	18.01	0.145	3.27	4.86	8.14	16.28	32.12	48.40
Cotton Picker-2nd-BB	4R30"250hp	261,825	200	8	12.86	0.277	6.22	6.60	11.34	24.17	44.76	68.93
Cotton Picker-2nd-BB	4R30"325hp	311,088	200	8	16.72	0.277	6.22	8.58	13.47	28.29	53.18	81.47
Cotton Picker-2nd-BB	4R38"255hp	268,000	200	8	13.12	0.218	4.90	5.30	9.14	19.34	36.07	55.42
Cotton Picker-2nd-BB	4R38"325hp	351,000	200	8	18.01	0.218	4.90	7.27	11.97	24.15	47.25	71.40
Cotton Picker-2nd-BB	5R30"255hp	285,303	200	8	13.12	0.221	4.98	5.38	9.88	20.25	39.02	59.28
Cotton Picker-2nd-BB	5R38"250hp	284,601	200	8	12.86	0.175	3.94	4.17	7.80	15.92	30.79	46.72
Cotton Picker-2nd-BB	6R30"325hp	465,000	200	8	18.01	0.184	4.15	6.15	13.43	23.74	52.99	76.74
Cotton Picker-2nd-BB	6R38"330hp	465,000	200	8	18.01	0.145	3.27	4.86	10.60	18.74	41.84	60.58
Cotton Picker-2nd-Tr	2R38"157hp	144,912	200	8	8.08	0.440	9.88	6.57	9.96	26.43	39.32	65.75
Cotton Picker-2nd-Tr	4R2X1260hp	357,000	200	8	18.01	0.145	3.27	4.86	8.14	16.28	32.12	48.40
Cotton Picker-2nd-Tr	4R30"250hp	261,825	200	8	12.86	0.277	6.22	6.60	11.34	24.17	44.76	68.93
Cotton Picker-2nd-Tr	4R30"325hp	311,088	200	8	16.72	0.277	6.22	8.58	13.47	28.29	53.18	81.47
Cotton Picker-2nd-Tr	4R38"255hp	268,000	200	8	13.12	0.218	4.90	5.30	9.14	19.34	36.07	55.42
Cotton Picker-2nd-Tr	4R38"325hp	351,000	200	8	18.01	0.218	4.90	7.27	11.97	24.15	47.25	71.40
Cotton Picker-2nd-Tr	5R30"255hp	285,303	200	8	13.12	0.221	4.98	5.38	9.88	20.25	39.02	59.28
Cotton Picker-2nd-Tr	5R38"250hp	290,471	200	8	12.86	0.175	3.94	4.17	7.96	16.08	31.43	47.51
Cotton Picker-2nd-Tr	6R30"325hp	465,000	200	8	16.72	0.184	4.15	5.72	13.43	23.30	52.99	76.30
Cotton Picker-2nd-Tr	6R38"330hp	465,000	200	8	18.01	0.145	3.27	4.86	10.60	18.74	41.84	60.58
LA Pickup Truck	1/2 ton	25,000	800	5	2.50	1.000	10.69	4.75	2.81	18.25	6.65	24.90
LA Rice Combine	25 ft	165,000	300	10	8.60	0.300	5.05	4.77	13.21	23.04	20.07	43.12
LA Rice Combine-2	25 ft	165,000	300	10	8.60	0.300	5.05	4.77	13.21	23.04	20.07	43.12
LARice Combine Med	20 ft	150,000	300	10	7.10	0.210	3.53	2.75	8.40	14.69	12.76	27.46
Levee Sprayer	27'	30,768	350	8	2.57	0.038	0.68	0.18	0.06	0.93	0.41	1.34
SC Billet Harvester	6 ft	290,000	750	10	12.00	0.700	11.78	15.54	27.06	54.38	32.47	86.85
SC Harvester 1Rw	6 ft	115,000	400	12	6.80	0.875	14.72	11.00	20.96	46.69	26.80	73.49
SC Harvester 2Rw	12 ft	210,000	400	12	8.00	0.388	6.53	5.74	16.97	29.24	21.70	50.95
SC Loader 1Rw	6 ft	85,000	425	10	5.10	0.598	7.04	5.64	8.74	21.43	14.55	35.99
SC Loader 2Rw	12 ft	150,000	425	10	7.00	0.300	3.53	3.88	7.73	15.15	12.88	28.04
SC Transloader		30,000	120	12	4.70	0.250	2.93	2.17	3.75	8.86	6.65	15.52
SC Truck&Trailer	30 Ton	45,000	400	10	7.00	1.000	11.75	12.95	7.87	32.58	13.67	46.25
Sprayer(300-450Gal)	47'	0	350	8	5.40	0.022	0.40	0.22	0.00	0.62	0.00	0.62
Sprayer(300-450Gal)	60'	103,000	350	8	5.66	0.017	0.31	0.18	0.09	0.59	0.63	1.23
Sprayer(300-450Gal)	80'	103,000	350	8	5.66	0.013	0.23	0.13	0.07	0.44	0.47	0.92
Sprayer(600-750Gal)	60'	193,000	350	8	10.29	0.017	0.31	0.33	0.18	0.83	1.19	2.03
Sprayer(600-825Gal)	80'	202,000	350	8	10.29	0.013	0.23	0.25	0.14	0.63	0.94	1.57
Sprayer(600-825Gal)	90'	273,000	350	8	10.29	0.011	0.21	0.22	0.17	0.60	1.13	1.73
Sprayer(1000-1400Gal)	90'	294,000	350	8	14.15	0.014	0.25	0.36	0.22	0.84	1.46	2.30
Sprayer(1200PlusGal)	120'	343,000	350	8	15.44	0.008	0.15	0.25	0.16	0.57	1.06	1.63

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2017.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Blade-Box	6'	2WD 130	1,150	200	20	0.020	0.21	0.24	0.01	0.11	0.58	0.00	0.66	1.25
Blade-Box	10'	2WD 50	3,010	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	6,270	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	1,100	200	20	1.176	12.57	5.60	0.61	0.76	19.56	0.48	4.62	24.67
Blade-Scraper	10'	2WD 50	3,390	200	20	1.176	12.57	5.60	1.89	0.76	20.84	1.50	4.62	26.97
Blade-Scraper	14'	2WD 50	6,860	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chisel Plow(Folding)	16'	2WD 130	22,500	150	12	0.115	1.23	1.43	0.93	0.63	4.24	1.62	3.84	9.71
Chisel Plow(Folding)	24'	MFWD 190	38,000	150	12	0.076	0.81	1.38	1.04	0.44	3.69	1.82	2.79	8.31
Chisel Plow(Folding)	32'	MFWD 225	49,900	150	12	0.057	0.61	1.23	1.04	0.39	3.28	1.80	2.47	7.57
Chisel Plow(Folding)	42'	MFWD 225	60,600	150	12	0.044	0.47	0.94	0.96	0.29	2.67	1.67	1.88	6.23
Chisel Plow(Rigid)	15'	2WD 130	11,400	150	12	0.123	1.31	1.52	0.50	0.68	4.03	0.88	4.10	9.01
Chisel Plow(Rigid)	24'	MFWD 190	12,100	150	12	0.077	0.82	1.39	0.33	0.44	3.00	0.58	2.81	6.40
Chisel-Harrow	21 shank	2WD 190	12,500	150	12	0.088	0.94	1.59	0.39	0.39	3.32	0.68	2.47	6.49
Chisel-Harrow	27 shank	MFWD 225	14,100	150	12	0.068	0.73	1.46	0.34	0.46	3.01	0.60	2.93	6.55
Colter-Chisel-Harrow	21 shank	2WD 190	19,200	150	12	0.088	0.94	1.59	0.61	0.39	3.53	1.05	2.47	7.07
Colter-Chisel-Harrow	27 shank	MFWD 225	24,000	150	12	0.068	0.73	1.46	0.59	0.46	3.25	1.02	2.93	7.22
Corn Grain Cart 8R30	500 bu	MFWD 190	23,700	200	12	0.031	0.34	0.57	0.20	0.18	1.30	0.35	1.16	2.83
Corn Grain Cart 8R40	700bu	MFWD 190	36,600	200	12	0.025	0.26	0.45	0.24	0.14	1.11	0.42	0.91	2.45
Cult & Post	4R-38	2WD 105	17,400	150	10	0.173	2.77	1.73	0.80	0.31	5.62	2.12	1.87	9.62
Cult & Post	6R-30	MFWD 150	21,600	150	10	0.146	4.70	2.09	0.84	0.65	8.29	2.23	3.94	14.47
Cult & Post	6R-38	MFWD 150	22,500	150	10	0.115	1.85	1.65	0.69	0.51	4.72	1.83	3.11	9.67
Cult & Post	8R-30	MFWD 190	25,900	150	10	0.110	1.76	1.99	0.75	0.63	5.15	2.00	4.02	11.18
Cult & Post	8R-38	MFWD 190	26,600	150	10	0.086	1.39	1.57	0.61	0.50	4.08	1.62	3.18	8.90
Cult & Post	8R-38 2x1	MFWD 190	38,300	150	10	0.057	0.92	1.04	0.59	0.33	2.90	1.56	2.11	6.58
Cult & Post	10R-30	MFWD 225	31,700	150	10	0.088	1.41	1.88	0.74	0.59	4.63	1.96	3.77	10.37
Cult & Post	10R-38	MFWD 225	0	150	10	0.065	1.04	1.39	0.00	0.44	2.88	0.00	2.79	5.67
Cult & Post	12R-30	MFWD 225	41,000	150	10	0.073	1.17	1.57	0.80	0.49	4.04	2.11	3.14	9.31
Cult & Post	12R-38	MFWD 225	44,800	150	10	0.057	0.92	1.24	0.69	0.39	3.25	1.82	2.48	7.56
Cultipacker	12'	2WD 130	4,846	300	12	0.124	1.33	1.54	0.14	0.68	3.70	0.19	4.14	8.03
Cultipacker	20'	MFWD 150	15,200	300	12	0.074	0.79	1.06	0.26	0.33	2.46	0.36	2.00	4.84
Cultivate	4R-38	2WD 105	12,000	150	10	0.162	1.73	1.62	0.51	0.29	4.17	1.37	1.75	7.30
Cultivate	6R-30	MFWD 150	16,200	150	10	0.137	1.46	1.96	0.59	0.61	4.64	1.56	3.69	9.90
Cultivate	6R-38	MFWD 150	17,100	150	10	0.108	1.16	1.55	0.49	0.48	3.69	1.30	2.91	7.91
Cultivate	8R-30	MFWD 190	20,500	150	10	0.103	1.10	1.86	0.56	0.59	4.13	1.48	3.77	9.39
Cultivate	8R-38	MFWD 190	21,300	150	10	0.081	0.87	1.47	0.46	0.47	3.28	1.22	2.98	7.49
Cultivate	8R-38 2x1	MFWD 190	37,100	150	10	0.054	0.58	0.98	0.53	0.31	2.41	1.41	1.98	5.81
Cultivate	10R-30	MFWD 225	28,200	150	10	0.082	0.88	1.76	0.62	0.56	3.83	1.63	3.53	9.00
Cultivate	10R-38	MFWD 225	0	150	10	0.065	0.69	1.39	0.00	0.44	2.53	0.00	2.79	5.32
Cultivate	12R-30	MFWD 225	35,500	150	10	0.068	0.73	1.47	0.65	0.46	3.32	1.71	2.94	7.99
Cultivate	12R-38	MFWD 225	37,000	150	10	0.054	0.58	1.16	0.53	0.36	2.64	1.41	2.32	6.39
Disk & Incorporate	14'	2WD 130	29,800	200	10	0.149	2.39	1.85	1.33	0.82	6.41	2.35	4.98	13.75
Disk & Incorporate	24'	MFWD 190	47,900	200	10	0.087	1.39	1.57	1.25	0.50	4.74	2.20	3.19	10.14
Disk & Incorporate	32'	4WD 225	59,300	200	10	0.068	1.10	1.47	1.22	0.31	4.11	2.15	1.98	8.25
Disk & Incorporate	42'	MFWD 225	30,542	200	10	0.049	0.78	1.05	0.44	0.33	2.62	0.79	2.10	5.52
Disk Bed (Hipper)	4R-38	MFWD 150	8,800	160	10	0.147	1.57	2.10	0.32	0.65	4.67	0.85	3.97	9.49
Disk Bed (Hipper)	6R-30	MFWD 170	15,100	160	10	0.125	1.33	2.02	0.47	0.66	4.49	1.24	4.18	9.92
Disk Bed (Hipper)	6R-38	MFWD 170	15,100	160	10	0.098	1.05	1.59	0.37	0.52	3.54	0.98	3.30	7.83
Disk Bed (Hipper)	8R-30	MFWD 190	17,400	160	10	0.093	1.00	1.69	0.40	0.54	3.65	1.07	3.43	8.15
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	33,600	160	10	0.049	0.52	0.89	0.41	0.28	2.12	1.09	1.80	5.02
Disk Bed (Hipper)	10R-30	MFWD 225	19,900	160	10	0.075	0.80	1.60	0.37	0.51	3.29	0.98	3.21	7.49
Disk Bed (Hipper)	10R-38	MFWD 225	23,000	160	10	0.059	0.63	1.26	0.34	0.40	2.64	0.89	2.53	6.07
Disk Bed (Hipper)	12R-30	MFWD 225	30,700	160	10	0.062	0.66	1.33	0.47	0.42	2.91	1.26	2.68	6.86
Disk Bed (Hipper)	12R-38	MFWD 225	33,600	160	10	0.049	0.52	1.05	0.41	0.33	2.33	1.09	2.11	5.54
Disk Bed (Hipper)Fld	8R-38	MFWD 190	20,200	160	10	0.074	0.79	1.34	0.37	0.43	2.93	0.98	2.71	6.63
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	14,600	160	10	0.074	0.79	1.34	0.27	0.43	2.83	0.71	2.71	6.26
Disk Bed w/roller	8R-30	2WD 190	27,800	160	10	0.093	1.00	1.69	0.65	0.41	3.76	1.72	2.63	8.12
Disk Bed w/roller	12R-30	MFWD 225	44,400	160	10	0.062	0.66	1.33	0.69	0.42	3.12	1.83	2.68	7.64
Disk Harrow	14'	2WD 130	24,400	180	10	0.140	1.49	1.73	0.95	0.77	4.96	2.00	4.67	11.64
Disk Harrow	24'	MFWD 190	42,900	180	10	0.081	0.87	1.48	0.97	0.47	3.80	2.06	2.99	8.86
Disk Harrow	28'	MFWD 225	50,400	180	10	0.070	0.74	1.50	0.98	0.47	3.71	2.07	3.00	8.79
Disk Harrow	32'	MFWD 225	53,900	180	10	0.061	0.82	0.00	0.91	0.00	0.00	1.94	0.00	0.00
Disk Harrow	42'	MFWD 225	94,400	180	10	0.046	0.49	1.00	1.22	0.31	3.04	2.59	2.00	7.64
Ditcher		2WD 130	5,750	200	10	0.020	0.21	0.24	0.04	0.11	0.61	0.06	0.66	1.34
Ditcher (1m/160a)		2WD 130	5,750	200	10	0.009	0.10	0.11	0.02	0.05	0.28	0.02	0.31	0.63
Fert Appl (Liquid)	4R-38	MFWD 150	14,700	150	8	0.154	2.48	2.20	1.51	0.69	6.89	1.71	4.15	12.76
Fert Appl (Liquid)	6R-30	MFWD 170	13,700	150	8	0.130	2.09	2.11	1.19	0.69	6.11	1.34	4.38	11.84
Fert Appl (Liquid)	6R-38	MFWD 170	11,600	150	8	0.103	1.65	1.67	0.79	0.54	4.67	0.90	3.45	9.04
Fert Appl (Liquid)	8R-30	MFWD 190	14,500	150	8	0.098	1.57	1.77	0.94	0.57	4.87	1.07	3.59	9.53
Fert Appl (Liquid)	8R-38	MFWD 190	16,600	150	8	0.077	1.24	1.40	0.85	0.45	3.96	0.96	2.84	7.77
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	17,700	150	8	0.051	0.82	0.93	0.60	0.30	2.67	0.68	1.89	5.25
Fert Appl (Liquid)	10R-30	MFWD 225	18,600	150	8	0.078	1.25	1.68	0.97	0.53	4.45	1.09	3.37	8.92
Fert Appl (Liquid)	10R-38	MFWD 225	20,300	150	8	0.061	0.99	1.32	0.83	0.42	3.58	0.94	2.65	7.18
Fert Appl (Liquid)	12R-30	MFWD 225	19,000	150	8	0.078	1.25	1.68	0.99	0.53	4.47	1.12	3.37	8.96
Fert Appl (Liquid)	12R-38	MFWD 225	17,700	150	8	0.051	0.82	1.10	0.60	0.35	2.89	0.68	2.21	5.80
Field Cult & Inc	12'	2WD 150	13,605	100	10	0.132	2.12	1.88	0.44	0.44	4.90	1.90	2.68	9.48
Field Cult & Inc	24'	MFWD 170	24,679	100	10	0.066	1.05	1.07	0.40	0.35	2.88	1.72	2.21	6.82

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, (Continued) and direct and fixed cost per acre, Louisiana 2017.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Field Cult & Inc	32'	MFWD 190	33,211	100	10	0.049	0.79	0.89	0.41	0.28	2.39	1.73	1.81	5.94
Field Cult & Inc	42'	MFWD 225	64,700	100	10	0.037	0.60	0.80	0.61	0.25	2.28	2.58	1.62	6.48
Field Cultivate	12'	2WD 150	18,000	100	10	0.124	1.33	1.77	0.55	0.41	4.08	2.36	2.52	8.98
Field Cultivate	24'	MFWD 170	25,300	100	10	0.062	0.66	1.00	0.39	0.33	2.39	1.66	2.08	6.14
Field Cultivate	32'	MFWD 190	39,600	100	10	0.046	0.49	0.84	0.46	0.27	2.07	1.95	1.70	5.73
Field Cultivate	42'	MFWD 225	56,900	100	10	0.035	0.38	0.76	0.50	0.24	1.88	2.13	1.52	5.55
Field Cultivate	50'	MFWD 225	65,300	100	10	0.029	0.31	0.63	0.48	0.20	1.64	2.06	1.28	4.99
Gate Installer		2WD 130	2,960	10	10	0.020	0.42	0.24	0.17	0.11	0.96	0.60	0.66	2.23
Grain Drill	12'	2WD 130	24,100	150	8	0.157	3.35	1.94	1.42	0.86	7.59	2.71	5.23	15.54
Grain Drill	15'	MFWD 150	32,700	150	8	0.125	2.68	1.79	1.54	0.56	6.58	2.94	3.38	12.91
Grain Drill	20'	MFWD 170	38,800	150	8	0.094	2.01	1.52	1.37	0.50	5.41	2.62	3.15	11.19
Grain Drill	24'	MFWD 190	58,600	150	8	0.078	1.67	1.42	1.72	0.45	5.28	3.30	2.87	11.46
Grain Drill	30'	MFWD 225	65,300	150	8	0.062	1.34	1.34	1.53	0.42	4.65	2.94	2.69	10.29
Grain Drill & Pre	12'	2WD 130	29,600	150	8	0.169	3.61	2.09	1.87	0.93	8.52	3.59	5.63	17.75
Grain Drill & Pre	15'	MFWD 150	38,100	150	8	0.135	2.89	1.93	1.93	0.60	7.36	3.70	3.64	14.70
Grain Drill & Pre	20'	MFWD 170	44,300	150	8	0.101	2.17	1.64	1.68	0.53	6.04	3.22	3.39	12.66
Grain Drill & Pre	24'	MFWD 190	64,000	150	8	0.084	1.80	1.53	2.03	0.49	5.86	3.88	3.09	12.84
Grain Drill & Pre	30'	MFWD 225	70,700	150	8	0.067	1.44	1.45	1.79	0.46	5.15	3.43	2.90	11.49
Harrow	13'	2WD 130	4,360	200	10	0.119	1.27	1.47	0.18	0.66	3.59	0.27	3.97	7.85
Harrow	21'	2WD 150	6,750	200	10	0.073	0.79	1.05	0.17	0.24	2.27	0.26	1.50	4.03
Harrow	40'	MFWD 190	17,400	200	10	0.038	0.41	0.70	0.23	0.22	1.57	0.35	1.42	3.35
Harrow	47'	MFWD 190	22,700	200	10	0.033	0.35	0.59	0.26	0.19	1.40	0.39	1.20	3.01
Header - Corn	4R-38	240hp	25,147	300	8	0.201	2.69	4.59	1.26	3.38	11.93	1.90	13.35	27.19
Header - Corn	6R30"	240hp	46,500	300	8	0.170	2.28	3.89	1.97	2.86	11.01	2.97	11.30	25.30
Header - Corn	6R38"	240hp	46,700	300	8	0.134	1.80	3.07	1.56	2.26	8.70	2.36	8.92	19.99
Header - Corn	8R-30	240hp	58,600	300	8	0.127	1.71	2.91	1.87	2.14	8.64	2.81	8.47	19.94
Header - Corn	8R-38	275hp	59,600	300	8	0.100	1.35	2.64	1.50	3.39	8.89	2.26	13.40	24.56
Header - Corn	12R-20	275hp	77,400	300	8	0.127	1.71	3.34	2.47	4.29	11.82	3.71	16.95	32.49
Header - Corn	12R-30	275hp	91,600	300	8	0.085	1.14	2.22	1.94	2.86	8.18	2.93	11.30	22.42
Header - Rice (CL)	22' Rigid	240hp	21,887	300	8	0.288	3.86	6.59	1.57	4.85	16.88	2.37	19.15	38.41
Header - Rice (CL)	25' Rigid	240hp	64,400	300	8	0.253	3.40	5.79	4.08	4.27	17.56	6.14	16.85	40.56
Header - Rice (CL)	30' Rigid	275hp	74,100	300	8	0.211	2.83	5.53	3.91	7.11	19.40	5.89	28.08	53.38
Header - Rice (SL)	22' Rigid	240hp	21,887	300	8	0.250	3.35	5.71	1.36	4.20	14.63	2.05	16.59	33.29
Header - Rice (SL)	25' Rigid	240hp	64,400	300	8	0.220	2.94	5.02	3.54	3.70	15.21	5.32	14.60	35.15
Header - Rice (SL)	30' Rigid	275hp	74,100	300	8	0.183	2.45	4.79	3.39	6.16	16.82	5.10	24.33	46.26
Header - Soybean	15' Flex	240hp	0	300	8	0.170	2.28	3.89	0.00	2.86	9.03	0.00	11.30	20.34
Header - Soybean	18' Flex	240hp	20,309	300	8	0.141	1.90	3.24	0.72	2.38	8.25	1.08	9.42	18.75
Header - Soybean	22' Flex	240hp	31,800	300	8	0.116	1.55	2.65	0.92	1.95	7.08	1.38	7.70	16.18
Header - Soybean	25' Flex	275hp	34,300	300	8	0.102	1.36	2.67	0.87	3.43	8.35	1.31	13.56	23.23
Header - Soybean	30' Flex	275hp	39,600	300	8	0.085	1.14	2.22	0.84	2.86	7.07	1.26	11.30	19.64
Header Wheat/Sorghum	18' Rigid	240hp	19,069	300	8	0.141	1.90	3.24	0.67	2.38	8.20	1.01	9.42	18.64
Header Wheat/Sorghum	22' Rigid	240hp	19,600	300	8	0.116	1.55	2.65	0.56	1.95	6.73	0.85	7.70	15.29
Header Wheat/Sorghum	25' Rigid	240hp	24,300	300	8	0.102	1.36	2.33	0.62	1.71	6.04	0.93	6.78	13.76
Header Wheat/Sorghum	30' Rigid	275hp	28,300	300	8	0.085	1.14	2.22	0.60	2.86	6.83	0.90	11.30	19.04
Heavy Disk	14'	MFWD 150	24,400	180	10	0.145	1.56	2.08	0.98	0.65	5.28	2.09	3.92	11.30
Heavy Disk	21'	MFWD 170	40,600	180	10	0.097	1.04	1.57	1.09	0.51	4.22	2.31	3.25	9.80
Heavy Disk	27'	MFWD 190	50,400	180	10	0.075	0.80	1.36	1.05	0.43	3.67	2.23	2.77	8.68
LA Boom Sprayer	30 ft	MFWD 150	3,000	150	10	0.059	0.64	0.85	0.13	0.26	1.89	0.14	1.61	3.65
Land Plane	40'x10'	MFWD 190	6,020	200	10	0.242	2.59	4.39	0.29	1.41	8.68	0.77	8.88	18.33
Land Plane	50'x16'	MFWD 190	14,300	200	10	0.151	1.62	2.74	0.43	0.88	5.68	1.14	5.55	12.37
LARice Backhoe-Rrmnt	2 ft	MFWD 150	6,000	100	10	0.500	5.34	7.14	2.64	2.23	17.36	3.64	13.44	34.45
LARice Land Level	13 ft	MFWD 150	7,500	200	15	0.190	2.03	2.71	0.15	0.84	5.75	0.65	5.11	11.52
LARice Levee Plow	8 ft	4WD 300	4,600	150	10	0.050	0.53	1.42	0.07	0.43	2.47	0.18	2.76	5.42
LARice Water Level	24 ft	4WD 300	3,500	100	15	0.149	1.60	4.28	0.23	1.31	7.43	0.48	8.29	16.20
Levee Splitter (1/80	2 blade	2WD 150	3,280	50	10	0.004	0.04	0.05	0.00	0.01	0.11	0.02	0.08	0.23
Lo-Till & Bed	4R-38	MFWD 190	5,100	150	12	0.145	1.55	2.63	0.26	0.84	5.30	0.48	5.32	11.11
Middle Buster	6R-38	MFWD 150	12,800	160	8	0.120	1.28	1.71	0.36	0.53	3.89	1.13	3.23	8.26
Middle Buster	8R-30	MFWD 190	20,800	160	8	0.114	1.22	2.06	0.55	0.66	4.50	1.75	4.17	10.43
Middle Buster	8R-38	MFWD 190	18,100	160	8	0.090	0.96	1.63	0.38	0.52	3.50	1.20	3.30	8.01
Middle Buster	8R-40 2x1	MFWD 190	29,200	160	8	0.060	0.64	1.08	0.41	0.34	2.49	1.29	2.19	5.98
Middle Buster	10R-30	MFWD 225	29,300	160	8	0.091	0.97	1.95	0.62	0.62	4.18	1.97	3.91	10.07
Middle Buster	10R-38	MFWD 225	32,100	160	8	0.072	0.77	1.54	0.54	0.49	3.34	1.70	3.09	8.14
Middle Buster	12R-38	MFWD 225	29,200	160	8	0.060	0.64	1.28	0.41	0.40	2.75	1.29	2.57	6.62
Mulcher Plow	30'	MFWD 225	0	100	10	0.068	0.72	1.45	0.00	0.46	2.65	0.00	2.92	5.57
NT Grain Drill	12'	2WD 130	41,800	150	8	0.163	3.49	2.02	2.56	0.90	8.99	4.90	5.44	19.35
NT Grain Drill	15'	MFWD 150	49,200	150	8	0.130	2.79	1.87	2.41	0.58	7.67	4.62	3.52	15.81
NT Grain Drill	20'	MFWD 170	65,600	150	8	0.098	2.09	1.58	2.41	0.52	6.62	4.62	3.28	14.53
NT Grain Drill	24'	MFWD 190	82,400	150	8	0.081	1.74	1.48	2.52	0.47	6.23	4.83	2.99	14.06
NT Grain Drill	30'	MFWD 225	94,200	150	8	0.065	1.39	1.40	2.31	0.44	5.56	4.42	2.80	12.79
NT Grain Drill & Pre	12'	2WD 130	47,200	150	8	0.176	3.76	2.18	3.12	0.97	10.04	5.96	5.86	21.88
NT Grain Drill & Pre	15'	MFWD 150	55,100	150	8	0.141	3.01	2.01	2.91	0.63	8.57	5.57	3.79	17.93
NT Grain Drill & Pre	20'	MFWD 170	71,000	150	8	0.105	2.26	1.71	2.81	0.56	7.35	5.38	3.53	16.27
NT Grain Drill & Pre	24'	MFWD 190	87,800	150	8	0.088	1.88	1.59	2.90	0.51	6.89	5.55	3.22	15.67
NT Grain Drill & Pre	30'	MFWD 225	99,600	150	8	0.070	1.50	1.51	2.63	0.48	6.13	5.03	3.02	14.19
NT Plant&Pre-Folding	8R-38	MFWD 170	54,300	150	8	0.083	1.78	1.35	1.70	0.44	5.28	3.25	2.79	11.34
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	86,900	150	8	0.055	1.19	0.90	1.81	0.29	4.20	3.47	1.86	9.53
NT Plant&Pre-Folding	10R-30	MFWD 190	57,555	150	8	0.084	1.80	1.53	1.82	0.49	5.65	3.49	3.09	12.24
NT Plant&Pre-Folding	10R-38	MFWD 190	52,893	150	8	0.066	1.42	1.20	1.32	0.38	4.34	2.53	2.44	9.31
NT Plant&Pre-Folding	12R-20	MFWD 190	71,600	150	8	0.105	2.26	1.91	2.83	0.61	7.62	5.43	3.87	16.93
NT Plant&Pre-Folding	12R-30	MFWD 190	78,100	150	8	0.070	1.50	1.27	2.06	0.40	5.25	3.95	2.58	11.78

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, (Continued) and direct and fixed cost per acre, Louisiana 2017.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
NT Plant&Pre-Folding	12R-38	MFWD 190	86,900	150	8	0.055	1.19	1.00	1.81	0.32	4.33	3.47	2.03	9.84
NT Plant&Pre-Folding	16R-30	MFWD 190	109,000	150	8	0.052	1.13	0.95	2.16	0.30	4.55	4.13	1.93	10.62
NT Plant&Pre-Folding	23R-15	MFWD 190	141,000	150	8	0.073	1.57	1.32	3.88	0.42	7.20	7.42	2.68	17.32
NT Plant&Pre-Folding	24R-20	MFWD 190	163,000	150	8	0.052	1.13	0.95	3.23	0.30	5.62	6.18	1.93	13.74
NT Plant&Pre-Folding	24R-30	MFWD 190	199,000	150	8	0.035	0.75	0.63	2.63	0.20	4.22	5.03	1.29	10.55
NT Plant&Pre-Rigid	4R-30	2WD 130	28,200	150	8	0.211	4.52	2.61	2.23	1.17	10.54	4.27	7.04	21.86
NT Plant&Pre-Rigid	4R-38	2WD 130	30,500	150	8	0.166	3.56	2.06	1.90	0.92	8.44	3.64	5.54	17.63
NT Plant&Pre-Rigid	6R-30	MFWD 150	39,600	150	8	0.141	3.01	2.01	2.09	0.63	7.75	4.00	3.79	15.55
NT Plant&Pre-Rigid	6R-38	MFWD 150	35,400	150	8	0.111	2.38	1.59	1.47	0.49	5.94	2.82	2.99	11.76
NT Plant&Pre-Rigid	8R-22	MFWD 170	26,219	150	8	0.143	3.37	2.32	1.41	0.76	7.58	2.70	4.81	15.10
NT Plant&Pre-Rigid	8R-30	MFWD 170	45,600	150	8	0.105	2.26	1.71	1.80	0.56	6.34	3.45	3.53	13.34
NT Plant&Pre-Rigid	8R-38	MFWD 170	42,900	150	8	0.077	1.65	1.24	1.24	0.41	4.55	2.37	2.58	9.50
NT Plant&Pre-Rigid	10R-30	MFWD 190	49,000	150	8	0.084	1.80	1.53	1.55	0.49	5.38	2.97	3.09	11.45
NT Plant&Pre-Rigid	12R-20	MFWD 190	57,100	150	8	0.105	2.26	1.91	2.26	0.61	7.05	4.33	3.87	15.25
NT Plant&Pre-Rigid	12R-30	MFWD 190	72,000	150	8	0.070	1.50	1.27	1.90	0.40	5.09	3.64	2.58	11.31
NT Plant-Folding	8R-38	MFWD 170	48,000	150	8	0.077	1.65	1.25	1.39	0.41	4.72	2.67	2.59	9.99
NT Plant-Folding	8R-38 2x1	MFWD 170	79,100	150	8	0.051	1.10	0.83	1.53	0.27	3.74	2.93	1.72	8.41
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	1.67	1.42	1.53	0.45	5.09	2.93	2.87	10.90
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.32	1.12	1.10	0.36	3.91	2.11	2.26	8.29
NT Plant-Folding	12R-20	MFWD 190	66,100	150	8	0.098	2.09	1.77	2.43	0.57	6.88	4.65	3.59	15.13
NT Plant-Folding	12R-30	MFWD 190	70,300	150	8	0.065	1.39	1.18	1.72	0.38	4.69	3.30	2.39	10.38
NT Plant-Folding	12R-38	MFWD 190	79,100	150	8	0.051	1.10	0.93	1.53	0.30	3.87	2.93	1.89	8.69
NT Plant-Folding	16R-30	MFWD 190	101,000	150	8	0.049	1.04	0.88	1.85	0.28	4.08	3.55	1.79	9.43
NT Plant-Folding	23R-15	MFWD 190	133,000	150	8	0.068	1.45	1.23	3.40	0.39	6.49	6.50	2.49	15.49
NT Plant-Folding	24R-20	MFWD 190	156,000	150	8	0.049	1.04	0.88	2.87	0.28	5.09	5.49	1.79	12.38
NT Plant-Folding	24R-30	MFWD 190	180,000	150	8	0.032	0.69	0.59	2.20	0.19	3.69	4.22	1.19	9.11
NT Plant-Rigid	4R-30	2WD 130	22,700	150	8	0.196	4.19	2.43	1.67	1.08	9.38	3.19	6.53	19.12
NT Plant-Rigid	4R-38	2WD 130	25,100	150	8	0.154	3.30	1.91	1.45	0.85	7.53	2.78	5.14	15.46
NT Plant-Rigid	6R-30	MFWD 150	34,100	150	8	0.130	2.79	1.87	1.67	0.58	6.92	3.20	3.52	13.65
NT Plant-Rigid	6R-38	MFWD 150	29,900	150	8	0.103	2.21	1.47	1.15	0.46	5.30	2.21	2.78	10.30
NT Plant-Rigid	8R-22	MFWD 170	21,142	150	8	0.133	2.85	2.16	1.05	0.70	6.78	2.02	4.47	13.28
NT Plant-Rigid	8R-30	MFWD 170	40,200	150	8	0.098	2.09	1.58	1.48	0.52	5.69	2.83	3.28	11.80
NT Plant-Rigid	8R-38	MFWD 170	37,500	150	8	0.077	1.65	1.25	1.09	0.41	4.42	2.08	2.59	9.10
NT Plant-Rigid	10R-30	MFWD 190	41,900	150	8	0.078	1.67	1.42	1.23	0.45	4.79	2.36	2.87	10.02
NT Plant-Rigid	12R-20	MFWD 190	51,700	150	8	0.098	2.09	1.77	1.90	0.57	6.35	3.64	3.59	13.58
NT Plant-Rigid	12R-30	MFWD 190	56,200	150	8	0.065	1.39	1.18	1.37	0.38	4.34	2.63	2.39	9.38
Paratill & Bed	4R-30	MFWD 225	13,500	150	12	0.204	2.18	4.37	0.99	1.39	8.95	1.72	8.76	19.44
Paratill & Bed	4R-38	MFWD 225	13,500	150	12	0.160	1.71	3.44	0.78	1.09	7.04	1.36	6.90	15.31
Paratill & Bed	6R-30	MFWD 225	19,900	150	12	0.136	1.45	2.91	0.97	0.92	6.28	1.69	5.84	13.82
Paratill & Bed	6R-38	MFWD 225	18,800	150	12	0.107	1.14	2.30	0.73	0.73	4.91	1.26	4.61	10.79
Paratill & Bed	8R-30	MFWD 225	25,000	150	12	0.102	1.09	2.18	0.92	0.69	4.89	1.60	4.38	10.88
Paratill & Bed	8R382X1	MFWD 225	69,100	150	12	0.053	0.57	1.15	1.34	0.36	3.43	2.32	2.30	8.06
Paratill & Bed Fold.	8R-38	MFWD 225	54,400	150	12	0.080	0.86	1.73	1.58	0.55	4.73	2.75	3.46	10.94
Paratill & Bed Fold.	12R-38	MFWD 225	69,100	150	12	0.053	0.57	1.15	1.34	0.36	3.43	2.32	2.30	8.06
Paratill & Bed Rigid	8R-38	MFWD 225	25,000	150	12	0.080	0.86	1.73	0.72	0.55	3.87	1.26	3.46	8.60
Pipe Drag	30'	2WD 150	500	100	12	0.051	0.55	0.73	0.00	0.17	1.47	0.02	1.05	2.55
Pipe Spool 160ac	1/4m roll	2WD 130	3,660	15	12	0.003	0.09	0.03	0.00	0.01	0.15	0.07	0.10	0.32
Pipe Trailer 1m/160a	30'	2WD 130	1,380	100	15	0.003	0.17	0.04	0.00	0.02	0.24	0.00	0.12	0.37
Plant & Pre Folding	8R-38	MFWD 170	48,700	150	8	0.080	1.71	1.29	1.46	0.42	4.90	2.80	2.68	10.39
Plant & Pre Folding	8R38 2x1	MFWD 170	79,800	150	8	0.053	1.14	0.86	1.59	0.28	3.89	3.05	1.78	8.73
Plant & Pre Folding	10R-30	MFWD 190	52,920	150	8	0.081	1.73	1.46	1.61	0.47	5.29	3.08	2.97	11.34
Plant & Pre Folding	10R-38	MFWD 190	48,258	150	8	0.064	1.36	1.15	1.15	0.37	4.06	2.21	2.34	8.62
Plant & Pre Folding	12R-20	MFWD 190	64,600	150	8	0.101	2.17	1.83	2.45	0.59	7.05	4.70	3.71	15.47
Plant & Pre Folding	12R-30	MFWD 190	71,100	150	8	0.067	1.44	1.22	1.80	0.39	4.87	3.45	2.47	10.80
Plant & Pre Folding	12R-38	MFWD 190	79,800	150	8	0.053	1.14	0.96	1.59	0.31	4.01	3.05	1.95	9.03
Plant & Pre Folding	16R-30	MFWD 190	99,600	150	8	0.050	1.08	0.91	1.89	0.29	4.19	3.62	1.85	9.68
Plant & Pre Folding	23R-15	MFWD 190	127,000	150	8	0.070	1.50	1.27	3.35	0.40	6.55	6.42	2.58	15.55
Plant & Pre Folding	24R-20	MFWD 190	149,000	150	8	0.050	1.08	0.91	2.83	0.29	5.13	5.42	1.85	12.42
Plant & Pre Folding	24R-30	MFWD 190	185,000	150	8	0.033	0.72	0.61	2.34	0.19	3.88	4.49	1.23	9.61
Plant & Pre Rigid	4R-30	2WD 130	25,800	150	8	0.203	4.34	2.51	1.96	1.12	9.94	3.75	6.25	20.46
Plant & Pre Rigid	4R-38	2WD 130	28,200	150	8	0.159	3.41	1.97	1.69	0.88	7.97	3.23	5.32	16.53
Plant & Pre Rigid	6R-30	MFWD 150	36,000	150	8	0.135	2.89	1.93	1.82	0.60	7.26	3.49	3.64	14.39
Plant & Pre Rigid	6R-38	MFWD 150	31,900	150	8	0.106	2.28	1.52	1.27	0.47	5.56	2.44	2.87	10.88
Plant & Pre Rigid	8R-22	MFWD 170	23,550	150	8	0.138	2.95	2.23	1.22	0.73	7.14	2.33	4.62	14.09
Plant & Pre Rigid	8R-30	MFWD 170	41,000	150	8	0.101	2.17	1.64	1.56	0.53	5.91	2.98	3.39	12.29
Plant & Pre Rigid	8R-38	MFWD 170	38,200	150	8	0.080	1.71	1.29	1.14	0.42	4.59	2.19	2.68	9.47
Plant & Pre Rigid	10R-30	MFWD 190	41,500	150	8	0.081	1.73	1.46	1.26	0.47	4.94	2.41	2.97	10.33
Plant & Pre Rigid	12R-20	MFWD 190	50,100	150	8	0.101	2.17	1.83	1.90	0.59	6.50	3.64	3.71	13.87
Plant & Pre Rigid	12R-30	MFWD 190	65,000	150	8	0.067	1.44	1.22	1.64	0.39	4.71	3.15	2.47	10.34
Plant - Folding	8R-38	MFWD 170	43,300	150	8	0.074	1.59	1.20	1.21	0.39	4.40	2.31	2.49	9.21
Plant - Folding	8R-38 2x1	MFWD 170	72,000	150	8	0.049	1.06	0.80	1.33	0.26	3.46	2.56	1.66	7.69
Plant - Folding	10R-30	MFWD 190	47,426	150	8	0.075	1.61	1.36	1.34	0.43	4.75	2.56	2.76	10.08
Plant - Folding	10R-38	MFWD 190	43,011	150	8	0.059	1.27	1.07	0.95	0.34	3.65	1.83	2.17	7.66
Plant - Folding	12R-20	MFWD 190	59,100	150	8	0.094	2.01	1.70	2.08	0.54	6.35	3.99	3.45	13.80
Plant - Folding	12R-30	MFWD 190	63,300	150	8	0.062	1.34	1.13	1.49	0.36	4.33	2.85	2.30	9.49
Plant - Folding	12R-38	MFWD 190	72,000	150	8	0.049	1.06	0.89	1.33	0.28	3.58	2.56	1.81	7.96
Plant - Folding	16R-30	MFWD 190	91,800	150	8	0.047	1.00	0.85	1.62	0.27	3.75	3.10	1.72	8.58
Plant - Folding	23R-15	MFWD 190	119,000	150	8	0.065	1.39	1.18	2.92	0.38	5.88	5.58	2.39	13.87
Plant - Folding	24R-20	MFWD 190	142,000	150	8	0.047	1.00	0.85	2.51	0.27	4.64	4.80	1.72	11.17
Plant - Folding	24R-30	MFWD 190	166,000	150	8	0.031	0.67	0.56	1.95	0.18	3.37	3.74	1.15	8.27
Plant - Rigid	4R-30	2WD 130	20,400	150	8	0.188	4.03	2.33	1.44	1.04	8.85	2.75	6.27	17.88
Plant - Rigid	4R-38	2WD 130	22,700	150	8	0.148	3.17	1.83	1.26	0.82	7.09	2.41	4.94	14.45

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, (Continued) and direct and fixed cost per acre, Louisiana 2017.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
										-----\$/acre-----				
Plant - Rigid	6R-30	MFWD 150	30,600	150	8	0.125	2.68	1.79	1.44	0.56	6.48	2.75	3.38	12.62
Plant - Rigid	6R-38	MFWD 150	26,400	150	8	0.099	2.12	1.41	0.98	0.44	4.96	1.87	2.66	9.51
Plant - Rigid	8R-22	MFWD 170	18,473	150	8	0.127	2.73	2.07	0.88	0.67	6.37	1.69	4.27	12.34
Plant - Rigid	8R-30	MFWD 170	35,500	150	8	0.094	2.01	1.52	1.25	0.50	5.29	2.40	3.15	10.85
Plant - Rigid	8R-38	MFWD 170	32,800	150	8	0.074	1.59	1.20	0.91	0.39	4.11	1.75	2.49	8.35
Plant - Rigid	10R-30	MFWD 190	36,100	150	8	0.075	1.61	1.36	1.02	0.43	4.43	1.95	2.76	9.15
Plant - Rigid	12R-20	MFWD 190	44,600	150	8	0.094	2.01	1.70	1.57	0.54	5.84	3.01	3.45	12.31
Plant - Rigid	12R-30	MFWD 190	57,200	150	8	0.062	1.34	1.13	1.34	0.36	4.19	2.57	2.30	9.07
Plant - Rigid	15R-15	2WD 150	54,400	150	8	0.094	2.01	1.34	1.92	0.31	5.60	3.67	1.91	11.19
Pull Levee (1m/80a)	4 blade	2WD 50	3,180	100	10	0.003	0.03	0.01	0.00	0.00	0.05	0.01	0.01	0.08
Rice Grain Cart	500 Bu	MFWD 190	23,900	200	12	0.057	0.61	1.03	0.36	0.33	2.34	0.64	2.09	5.07
Rice Grain Cart	700 Bu	MFWD 190	36,800	200	12	0.063	0.67	1.14	0.63	0.36	2.82	1.09	2.32	6.24
Roller	32'	MFWD 170	17,500	100	12	0.046	0.49	0.75	0.13	0.24	1.63	0.76	1.56	3.96
Rotary Cutter	7'	MFWD 130	4,690	185	10	0.168	1.79	2.08	0.64	0.64	5.17	0.45	3.89	9.51
Rotary Cutter	12'	2WD 150	16,000	185	10	0.098	1.04	1.40	1.27	0.33	4.05	0.89	1.99	6.95
Rotary Cutter	15'	MFWD 150	19,400	185	10	0.078	0.83	1.12	1.23	0.35	3.54	0.87	2.11	6.53
Row Cond & Inc	13'	2WD 130	13,300	100	10	0.137	2.21	1.70	0.45	0.76	5.14	1.93	4.59	11.67
Row Cond & Inc	21'	2WD 170	16,700	100	10	0.085	1.36	1.38	0.35	0.41	3.52	1.50	2.62	7.65
Row Cond & Inc	26'	MFWD 190	19,600	100	10	0.063	1.01	1.14	0.31	0.36	2.84	1.31	2.32	6.47
Row Cond & Inc	38'	MFWD 225	24,600	100	10	0.047	0.75	1.01	0.29	0.32	2.37	1.22	2.02	5.63
Row Cond & Inc	42'	MFWD 225	20,400	100	10	0.040	0.64	0.86	0.20	0.27	1.98	0.86	1.72	4.57
Row Cond (Harrow)	13'	2WD 130	7,300	100	10	0.114	1.22	1.42	0.20	0.63	3.49	0.88	3.82	8.20
Row Cond (Harrow)	21'	2WD 170	12,000	100	10	0.071	0.76	1.15	0.21	0.34	2.47	0.90	2.18	5.55
Row Cond (Harrow)	27'	MFWD 190	12,400	100	10	0.057	0.61	1.03	0.17	0.33	2.16	0.75	2.10	5.01
Row Cond (Harrow)	38'	MFWD 225	22,200	100	10	0.039	0.42	0.84	0.21	0.26	1.74	0.92	1.68	4.35
Row Cond (Harrow)	42'	MFWD 225	15,582	100	10	0.035	0.38	0.76	0.13	0.24	1.52	0.58	1.52	3.63
Row Cond (Plant)	13'	2WD 130	7,120	100	10	0.157	1.68	1.94	0.27	0.86	4.77	1.18	5.23	11.18
Row Cond (Plant)	21'	2WD 170	11,700	100	10	0.097	1.04	1.57	0.28	0.47	3.37	1.20	2.98	7.56
Row Cond (Plant)	27'	MFWD 190	12,400	100	10	0.078	0.84	1.42	0.24	0.45	2.96	1.02	2.87	6.86
Row Cond (Plant)	38'	MFWD 225	16,587	100	10	0.053	0.57	1.15	0.22	0.36	2.31	0.94	2.30	5.56
Row Cond (Plant)	42'	MFWD 225	15,582	100	10	0.048	0.52	1.04	0.18	0.33	2.08	0.80	2.08	4.97
RT Cult (Early)	8R-30	2WD 170	20,774	200	12	0.103	1.10	1.66	1.02	0.50	4.30	1.04	3.16	8.50
RT Cult (Early)	12R-30	2WD 190	29,998	200	12	0.068	0.73	1.24	0.98	0.30	3.27	1.00	1.93	6.21
RT Cult (Late)	8R-30	2WD 170	20,774	200	12	0.128	1.37	2.08	1.28	0.62	5.37	1.30	3.95	10.63
RT Cult (Late)	12R-30	2WD 190	29,998	200	12	0.085	0.91	1.55	1.23	0.38	4.09	1.25	2.41	7.76
RT Cult + PD (Early)	8R-30	2WD 150	26,264	200	12	0.110	1.76	1.57	1.38	0.37	5.09	1.40	2.23	8.72
RT Cult + PD (Early)	12R-30	MFWD 225	35,493	200	12	0.073	1.17	1.57	1.24	0.49	4.49	1.26	3.14	8.90
RT Cult + PD (Late)	8R-30	2WD 170	26,264	200	12	0.137	2.20	2.22	1.73	0.67	6.83	1.75	4.22	12.80
RT Cult + PD (Late)	12R-30	2WD 190	35,493	200	12	0.091	1.46	1.65	1.55	0.40	5.09	1.57	2.57	9.25
Spin Spreader	5 ton	MFWD 190	11,800	100	8	0.042	0.89	0.76	0.27	0.24	2.18	0.56	1.54	4.28
Spin Spreader	5 ton	MFWD 190	11,800	100	8	0.042	0.89	0.76	0.27	0.24	2.18	0.56	1.54	4.28
Spray (Band)	27'	MFWD 170	5,440	200	8	0.062	1.00	1.01	0.15	0.33	2.51	0.19	2.09	4.80
Spray (Band)	40'	MFWD 170	7,810	200	8	0.042	0.67	0.68	0.15	0.22	1.74	0.18	1.41	3.34
Spray (Band)	50'	MFWD 170	6,940	200	8	0.033	0.54	0.54	0.11	0.17	1.38	0.13	1.13	2.64
Spray (Band)	53'	MFWD 170	9,620	200	8	0.031	0.51	0.51	0.14	0.16	1.34	0.17	1.06	2.58
Spray (Band)	60'	MFWD 170	18,600	200	8	0.028	0.45	0.45	0.24	0.14	1.30	0.29	0.94	2.54
Spray (Bcast/HB)	13' Rigid	MFWD 150	5,480	200	8	0.130	2.08	1.85	0.33	0.58	4.86	0.40	3.50	8.76
Spray (Bcast/HB)	20' Rigid	2WD 50	6,450	200	8	0.084	1.35	0.40	0.25	0.05	2.07	0.30	0.33	2.71
Spray (Bcast/HB)	27' Fold	MFWD 170	10,700	200	8	0.062	1.00	1.01	0.31	0.33	2.66	0.37	2.09	5.14
Spray (Bcast/HB)	27' Rigid	MFWD 170	7,830	200	8	0.062	1.00	1.01	0.23	0.33	2.58	0.27	2.09	4.95
Spray (Bcast/HB)	30' Fold	MFWD 170	16,500	200	8	0.056	0.90	0.91	0.43	0.29	2.55	0.52	1.88	4.96
Spray (Bcast/HB)	40' Fold	MFWD 170	16,100	200	8	0.042	0.67	0.68	0.31	0.22	1.90	0.38	1.41	3.70
Spray (Bcast/HB/HD)	27'	MFWD 170	22,400	200	8	0.062	1.00	1.01	0.65	0.33	3.01	0.79	2.09	5.89
Spray (Bcast/HB/HD)	40'	MFWD 170	32,200	200	8	0.042	0.67	0.68	0.63	0.22	2.22	0.76	1.41	4.41
Spray (Broadcast)	27'	MFWD 170	5,440	200	8	0.062	1.00	1.01	0.15	0.33	2.51	0.19	2.09	4.80
Spray (Broadcast)	40'	MFWD 170	7,810	200	8	0.042	0.67	0.68	0.15	0.22	1.74	0.18	1.41	3.34
Spray (Broadcast)	50'	MFWD 170	6,940	200	8	0.033	0.54	0.54	0.11	0.17	1.38	0.13	1.13	2.64
Spray (Broadcast)	53'	MFWD 170	9,620	200	8	0.031	0.51	0.51	0.14	0.16	1.34	0.17	1.06	2.58
Spray (Broadcast)	60'	MFWD 170	18,600	200	8	0.028	0.45	0.45	0.24	0.14	1.30	0.29	0.94	2.54
Spray (Direct/Hood)	8R-30	MFWD 170	15,600	200	8	0.084	1.35	1.36	0.61	0.44	3.79	0.74	2.83	7.37
Spray (Direct/Hood)	8R-38	MFWD 170	16,600	200	8	0.066	1.07	1.08	0.52	0.35	3.03	0.62	2.23	5.89
Spray (Direct/Hood)	12R-30	MFWD 170	22,200	200	8	0.056	0.90	0.91	0.58	0.29	2.70	0.70	1.88	5.29
Spray (Direct/Hood)	12R-38	MFWD 170	22,500	200	8	0.044	0.71	0.72	0.46	0.23	2.14	0.56	1.48	4.19
Spray (Direct/Layby)	8R-30	MFWD 170	12,700	200	8	0.084	1.35	1.36	0.50	0.44	3.68	0.60	2.83	7.11
Spray (Direct/Layby)	8R-38	MFWD 170	12,700	200	8	0.066	1.07	1.08	0.39	0.35	2.90	0.47	2.23	5.62
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	17,300	200	8	0.044	0.71	0.72	0.36	0.23	2.03	0.43	1.48	3.95
Spray (Direct/Layby)	10R-30	MFWD 170	12,200	200	8	0.067	1.08	1.09	0.38	0.35	2.92	0.46	2.26	5.65
Spray (Direct/Layby)	12R-30	MFWD 170	17,400	200	8	0.056	0.90	0.91	0.46	0.29	2.57	0.55	1.88	5.01
Spray (Direct/Layby)	12R-38	MFWD 170	17,300	200	8	0.044	0.71	0.72	0.36	0.23	2.03	0.43	1.48	3.95
Spray (Direct/Layby)	16R-20	MFWD 170	10,000	200	8	0.063	1.01	1.02	0.29	0.33	2.67	0.35	2.12	5.15
Spray (Spot)	27'	MFWD 170	5,440	200	8	0.062	1.00	1.01	0.15	0.33	2.51	0.19	2.09	4.80
Spray (Spot)	40'	MFWD 170	7,810	200	8	0.042	0.67	0.68	0.15	0.22	1.74	0.18	1.41	3.34
Spray (Spot)	50'	MFWD 170	6,940	200	8	0.033	0.54	0.54	0.11	0.17	1.38	0.13	1.13	2.64
Spray (Spot)	53'	MFWD 170	9,620	200	8	0.031	0.51	0.51	0.14	0.16	1.34	0.17	1.06	2.58
Spray (Spot)	60'	MFWD 170	18,600	200	8	0.028	0.45	0.45	0.24	0.14	1.30	0.29	0.94	2.54
Stalk Shredder	14'	MFWD 150	12,800	200	10	0.117	1.25	1.68	1.32	0.52	4.79	0.79	3.16	8.75
Stalk Shredder	20'	MFWD 150	29,800	200	10	0.082	0.88	1.17	2.15	0.36	4.58	1.29	2.21	8.09
Stalk Shredder-Flail	12'	MFWD 150	15,500	200	10	0.137	1.46	1.96	1.86	0.61	5.91	1.12	3.69	10.73
Stalk Shredder-Flail	20'	MFWD 150	27,000	200	10	0.082	0.88	1.17	1.94	0.36	4.37	1.17	2.21	7.77
Subsoiler	3 shank	MFWD 190	3,550	100	15	0.204	2.18	3.69	0.24	1.18	7.31	0.59	7.47	15.38
Subsoiler	4 shank	MFWD 225	9,340	100	15	0.153	1.64	3.29	0.47	1.04	6.45	1.18	6.59	14.23
Subsoiler	5 shank	MFWD 225	10,800	100	15	0.122	1.30	2.62	0.44	0.83	5.20	1.08	5.24	11.54

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, (Continued) and direct and fixed cost per acre, Louisiana 2017.

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-----							
Subsoiler low-till	4 shank	MFWD 225	10,800	100	15	0.153	1.64	3.29	0.55	1.04	6.53	1.36	6.59	14.49
Subsoiler low-till	6 shank	MFWD 225	16,600	100	15	0.102	1.09	2.18	0.56	0.69	4.54	1.39	4.38	10.32
Subsoiler low-till	8 shank	MFWD 225	20,600	100	15	0.076	0.81	1.63	0.52	0.52	3.50	1.29	3.28	8.08
TerraTill Bed w/roll	4R-38	MFWD 225	14,300	150	12	0.160	1.71	3.44	0.83	1.09	7.09	1.44	6.90	15.43
TerraTill Bed w/roll	6R-38	MFWD 225	19,400	150	12	0.107	1.14	2.30	0.75	0.73	4.93	1.30	4.61	10.86
TerraTill Bed w/roll	4R-30	MFWD 225	14,300	150	12	0.204	2.18	4.37	1.05	1.39	9.00	1.83	8.76	19.60
TerraTill Bed w/roll	6R-30	MFWD 225	15,310	150	12	0.136	1.45	2.91	0.75	0.92	6.05	1.30	5.84	13.20
Boll Buggy-1st Pick	2R38*157hp	MFWD 190	30,500	200	10	0.519	5.55	9.40	3.96	3.02	21.93	8.05	19.01	49.01
Boll Buggy-1st pick	4R2x1260hp	MFWD 190	30,500	200	10	0.172	1.84	3.11	1.31	1.00	7.27	2.67	6.30	16.25
Boll Buggy-1st pick	4R30*255hp	MFWD 190	30,500	200	10	0.327	3.49	5.92	2.49	1.90	13.82	5.07	11.98	30.88
Boll Buggy-1st pick	4R30*325hp	MFWD 190	30,500	200	10	0.327	3.49	5.92	2.49	1.90	13.82	5.07	11.98	30.88
Boll Buggy-1st pick	4R38*255hp	MFWD 190	30,500	200	10	0.257	2.75	4.66	1.96	1.49	10.88	3.99	9.43	24.31
Boll Buggy-1st pick	4R38*325hp	MFWD 190	30,500	200	10	0.257	2.75	4.66	1.96	1.49	10.88	3.99	9.43	24.31
Boll Buggy-1st pick	5R30*255hp	MFWD 190	30,500	200	10	0.261	2.79	4.73	1.99	1.52	11.05	4.06	9.58	24.70
Boll Buggy-1st pick	5R38*255hp	MFWD 190	30,500	200	10	0.207	2.21	3.74	1.57	1.20	8.74	3.21	7.58	19.54
Boll Buggy-1st pick	6R30*325hp	MFWD 190	30,500	200	10	0.218	2.33	3.94	1.66	1.26	9.21	3.38	7.98	20.58
Boll Buggy-1st pick	6R38*325hp	MFWD 190	30,500	200	10	0.172	1.84	3.11	1.31	1.00	7.27	2.67	6.30	16.25
Boll Buggy-2nd pick	2R38*157hp	MFWD 190	30,500	200	10	0.440	4.70	7.96	3.35	2.55	18.58	6.82	16.11	41.52
Boll Buggy-2nd pick	4R2x1260hp	MFWD 190	30,500	200	10	0.145	1.56	2.64	1.11	0.84	6.16	2.26	5.34	13.76
Boll Buggy-2nd pick	4R30*255hp	MFWD 190	30,500	200	10	0.277	2.96	5.01	2.11	1.61	11.70	4.29	10.14	26.15
Boll Buggy-2nd pick	4R30*325hp	MFWD 190	30,500	200	10	0.277	2.96	5.01	2.11	1.61	11.70	4.29	10.14	26.15
Boll Buggy-2nd pick	4R38 255hp	MFWD 190	30,500	200	10	0.218	2.33	3.95	1.66	1.26	9.21	3.38	7.99	20.59
Boll Buggy-2nd pick	4R38 325hp	MFWD 190	30,500	200	10	0.218	2.33	3.95	1.66	1.26	9.21	3.38	7.99	20.59
Boll Buggy-2nd pick	5R30*255hp	MFWD 190	30,500	200	10	0.221	2.37	4.01	1.69	1.28	9.36	3.43	8.12	20.92
Boll Buggy-2nd pick	5R38*255hp	MFWD 190	30,500	200	10	0.175	1.87	3.17	1.33	1.02	7.41	2.72	6.42	16.55
Boll Buggy-2nd pick	6R30*325hp	MFWD 190	30,500	200	10	0.184	1.97	3.34	1.40	1.07	7.80	2.86	6.76	17.43
Boll Buggy-2nd pick	6R38*325hp	MFWD 190	30,500	200	10	0.145	1.56	2.64	1.11	0.84	6.16	2.26	5.34	13.76
Boll Buggy-Stripper	13' Bcast	MFWD 150	30,500	200	10	0.251	2.69	3.59	1.92	1.12	9.33	3.90	6.77	20.01
Boll Buggy-Stripper	16' Bcast	MFWD 150	30,500	200	10	0.204	2.18	2.92	1.56	0.91	7.58	3.17	5.50	16.25
Boll Buggy-Stripper	19' Bcast	MFWD 150	30,500	200	10	0.172	1.84	2.46	1.31	0.77	6.38	2.67	4.63	13.69
Boll Buggy-Stripper	4R30*2X1Br	MFWD 150	30,500	200	10	0.218	2.33	3.11	1.66	0.97	8.08	3.38	5.86	17.34
Boll Buggy-Stripper	4R30*Brush	MFWD 150	30,500	200	10	0.327	3.49	4.67	2.49	1.46	12.13	5.07	8.80	26.01
Boll Buggy-Stripper	4R38*2X1Br	MFWD 150	30,500	200	10	0.172	1.84	2.46	1.31	0.77	6.38	2.67	4.63	13.69
Boll Buggy-Stripper	4R38*Brush	MFWD 150	30,500	200	10	0.257	2.75	3.68	1.96	1.15	9.55	3.99	6.93	20.48
Boll Buggy-Stripper	5R30*Brush	MFWD 150	30,500	200	10	0.261	2.79	3.74	1.99	1.17	9.70	4.06	7.04	20.81
Boll Buggy-Stripper	5R38*Brush	MFWD 150	30,500	200	10	0.207	2.21	2.95	1.57	0.92	7.68	3.21	5.57	16.46
Boll Buggy-Stripper	6R30*Brush	MFWD 150	30,500	200	10	0.218	2.33	3.11	1.66	0.97	8.08	3.38	5.86	17.34
Module Builder-1st	2R-38(157)	MFWD 190	31,300	200	10	0.519	11.11	9.40	4.06	3.02	27.59	8.26	19.02	54.88
Module Builder-1st	4R-30(255)	MFWD 190	34,700	200	10	0.327	6.99	5.92	2.84	1.90	17.66	5.77	11.98	35.42
Module Builder-1st	4R-30(325)	MFWD 190	34,700	200	10	0.327	6.99	5.92	2.84	1.90	17.66	5.77	11.98	35.42
Module Builder-1st	4R-38(255)	MFWD 190	34,700	200	10	0.257	5.51	4.66	2.23	1.49	13.90	4.54	9.43	27.89
Module Builder-1st	4R-38(325)	MFWD 190	34,700	200	10	0.257	5.51	4.66	2.23	1.49	13.90	4.54	9.43	27.89
Module Builder-1st	4R2x1260hp	MFWD 190	34,700	200	10	0.172	3.68	3.11	1.49	1.00	9.29	3.03	6.30	18.64
Module Builder-1st	5R-30(255)	MFWD 190	34,700	200	10	0.261	5.59	4.73	2.27	1.52	14.13	4.62	9.58	28.33
Module Builder-1st	5R-38(255)	MFWD 190	34,700	200	10	0.207	4.43	3.74	1.79	1.20	11.18	3.65	7.58	22.41
Module Builder-1st	6R-30(325)	MFWD 190	34,700	200	10	0.218	4.66	3.94	1.89	1.26	11.77	3.85	7.98	23.61
Module Builder-1st	6R-38(325)	MFWD 190	34,700	200	10	0.172	3.68	3.11	1.49	1.00	9.29	3.03	6.30	18.64
Module Builder-2nd	2R-38(157)	MFWD 190	34,700	200	10	0.440	9.41	7.96	3.81	2.55	23.75	7.76	16.11	47.62
Module Builder-2nd	4R-30(255)	MFWD 190	34,700	200	10	0.277	5.92	5.01	2.40	1.61	14.96	4.89	10.14	30.00
Module Builder-2nd	4R-30(325)	MFWD 190	34,700	200	10	0.277	5.92	5.01	2.40	1.61	14.96	4.89	10.14	30.00
Module Builder-2nd	4R-38(255)	MFWD 190	34,700	200	10	0.218	4.66	3.95	1.89	1.26	11.78	3.85	7.99	23.62
Module Builder-2nd	4R-38(325)	MFWD 190	34,700	200	10	0.218	4.66	3.95	1.89	1.26	11.78	3.85	7.99	23.62
Module Builder-2nd	4R2x1 255	MFWD 190	34,700	200	10	0.145	3.12	2.64	1.26	0.84	7.87	2.57	5.34	15.79
Module Builder-2nd	5R-30(255)	MFWD 190	34,700	200	10	0.221	4.74	4.01	1.92	1.28	11.97	3.91	8.11	24.00
Module Builder-2nd	5R-38(255)	MFWD 190	34,700	200	10	0.175	3.75	3.17	1.52	1.02	9.47	3.09	6.42	18.99
Module Builder-2nd	6R-30(325)	MFWD 190	34,700	200	10	0.184	3.95	3.34	1.60	1.07	9.97	3.26	6.76	20.00
Module Builder-2nd	6R-38(325)	MFWD 190	34,700	200	10	0.145	3.12	2.64	1.26	0.84	7.87	2.57	5.34	15.79
Module Builder-Strip	13' Bcast	MFWD 150	34,700	200	10	0.251	5.38	3.59	2.18	1.12	12.29	4.44	6.77	23.50
Module Builder-Strip	16' Bcast	MFWD 150	34,700	200	10	0.204	4.37	2.92	1.77	0.91	9.98	3.60	5.50	19.09
Module Builder-Strip	19' Brush	MFWD 150	34,700	200	10	0.172	3.68	2.46	1.49	0.77	8.41	3.03	4.63	16.08
Module Builder-Strip	4R-30	MFWD 150	34,700	200	10	0.327	6.99	4.67	2.84	1.46	15.97	5.77	8.80	30.55
Module Builder-Strip	4R-30 2X1	MFWD 150	34,700	200	10	0.218	4.66	3.11	1.89	0.97	10.65	3.85	5.86	20.37
Module Builder-Strip	4R-38	MFWD 150	34,700	200	10	0.257	5.51	3.68	2.23	1.15	12.58	4.54	6.93	24.06
Module Builder-Strip	4R-38 2X1	MFWD 150	34,700	200	10	0.172	3.68	2.46	1.49	0.77	8.41	3.03	4.63	16.08
Module Builder-Strip	5R-30	MFWD 150	34,700	200	10	0.261	5.59	3.74	2.27	1.17	12.78	4.62	7.04	24.44
Module Builder-Strip	5R-38	MFWD 150	34,700	200	10	0.207	4.42	2.95	1.79	0.92	10.11	3.65	5.57	19.34