Projected Costs and Returns Crop Enterprise Budgets for Rice Production in Louisiana, 2015

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by

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Introduction

This publication presents estimates of projected costs and returns for rice production in Louisiana for the 2015 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 2015 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 2015 planning budgets. Machinery and other input cost data are presented in the Appendix.

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

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

returns information for upcoming crop year planning purposes.

Expected Crop Yields and Market Prices

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

Direct Production Costs

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

Hired labor was charged at $9.60 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 3.40% per year. Operating capital was assumed to be borrowed in a manner consistent with timely acquisition of inputs. Fuel prices for diesel and gasoline were $2.75 per gallon and $3.40 per gallon, respectively. 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 4.50%. The reasoning behind the difference in short and intermediate term rates is that longer term nominal rates are highly variable and closely follow the trend set by the rate of inflation. Intermediate term interest rates above the real rate of interest can overstate true interest costs because they overlook the value gained by an asset due solely to inflation.

Farm Machinery Costs

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

Overhead Costs

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

Land and Management Charges

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

Acknowledgments

Several individuals were instrumental in making this report possible. The authors are particularly indebted to Louisiana crop producers and LSU Agricultural Center Extension Service agents and Experiment Station scientists for their cooperation and assistance in providing specific production practice information, as well as farm suppliers and agribusiness firms for supplying input price information.

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, 2015.

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	6.00	5.0000	30.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.50	130.0000	65.00	_____
LA Phosphate	lb	0.61	40.0000	24.40	_____
LA Potash	lb	0.34	60.0000	20.40	_____
FUNGICIDES					
Quadris	oz	1.95	10.0000	19.50	_____
HERBICIDES					
Facet 75DF	lb	50.00	0.5000	25.00	_____
Londax 60DF	oz	17.25	1.0000	17.25	_____
2,4-D Amine 4	pt	1.85	2.5000	4.63	_____
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	6.50	3.8000	24.70	_____
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	9.60	0.8574	8.24	_____
LA Irrigation Labor					
Irrigation System 1	hour	9.60	0.2153	2.07	_____
DIESEL FUEL					
Tractors	gal	2.75	10.5417	28.98	_____
Self-Propelled	gal	2.75	2.5825	7.10	_____
Irrigation System 1	gal	2.75	32.8389	90.30	_____
REPAIR & MAINTENANCE					
Implements	acre	3.43	1.0000	3.43	_____
Tractors	acre	5.71	1.0000	5.71	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 1	acre	3.75	1.0000	3.75	_____
INTEREST ON OP. CAP.	acre	10.14	1.0000	10.14	_____

TOTAL DIRECT EXPENSES				572.51	_____
FIXED EXPENSES					
Implements	acre	7.37	1.0000	7.37	_____
Tractors	acre	34.49	1.0000	34.49	_____
Self-Propelled	acre	19.53	1.0000	19.53	_____
Irrigation System 1	acre	32.74	1.0000	32.74	_____

TOTAL FIXED EXPENSES				94.13	_____

TOTAL SPECIFIED EXPENSES				666.64	_____

Table 1.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Water Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk Harrow	32'	4WD 225	0.061	2.00	Nov	4.47	3.44	1.73	3.53	0.12	1.18				14.35
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	5.12	5.28	0.15	0.36	0.10	0.96				11.87
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	2.72	2.75	0.17	0.13	0.10	1.02				6.79
Ditcher		MFWD 150	0.020	1.00	Nov	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	2.38	2.46	0.46	1.88	0.04	0.45				7.63
App Fert by Air	cwt			1.00	Feb							1.5000	6.50	9.75	9.75
LA Nitrogen	lb											70.0000	0.50	35.00	35.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	6.50	6.50	6.50
LA Phosphate	lb											40.0000	0.61	24.40	24.40
LA Potash	lb											60.0000	0.34	20.40	20.40
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Ditcher		MFWD 150	0.020	1.00	Feb	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Blade-Scraper	10'	MFWD 150	1.176	0.09	Feb	2.72	2.75	0.17	0.13	0.10	1.02				6.79
Rice Gates	each			1.00	Feb							1.0000	3.65	3.65	3.65
LARice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Feb	0.64	0.65	0.13	0.18	0.02	0.24				1.84
LARice Water Level	24 ft	4WD 300	0.149	2.00	Feb	15.33	15.82	0.46	0.93	0.29	2.88				35.42
LARice 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
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.00	6.00	6.00
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	Apr							1.0000	6.00	6.00	6.00
Facet 75DF	lb											0.5000	50.00	25.00	25.00
Londax 60DF	oz											1.0000	17.25	17.25	17.25
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.00	6.00	6.00
2,4-D Amine 4	pt											2.5000	1.85	4.63	4.63
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	6.50	8.45	8.45
LA Nitrogen	lb											60.0000	0.50	30.00	30.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.00	6.00	6.00
Quadris	oz											10.0000	1.95	19.50	19.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.00	6.00	6.00
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	20.31	19.53			0.33	5.05				44.89
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.29	0.30	0.08	0.13	0.01	0.11				0.91
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 1	acre				Mar			94.05	32.74	0.21	2.07	1.0000			128.86
TOTALS						55.00	54.02	97.48	40.11	1.40	15.36			394.53	656.50
INTEREST ON OPERATING CAPITAL															10.14
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															666.64

Table 1.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-17	12	41	70	99	128	157	186	215
85%	59.5	16	47	79	110	141	172	203	234	265
90%	63.0	50	83	116	150	183	216	249	283	316
95%	66.5	84	119	154	190	225	260	296	331	366
100%	70.0	117	155	192	229	267	304	342	379	417
105%	73.5	151	190	230	269	309	348	388	427	467
110%	77.0	184	226	268	309	351	392	434	476	517
115%	80.5	218	262	305	349	393	437	480	524	568
120%	84.0	252	297	343	389	435	481	527	572	618

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-111	-82	-53	-24	5	34	63	92	121
85%	59.5	-78	-47	-16	16	47	78	109	140	171
90%	63.0	-44	-11	22	56	89	122	155	188	222
95%	66.5	-11	25	60	95	121	166	201	237	272
100%	70.0	23	60	98	135	173	210	248	285	322
105%	73.5	57	96	136	175	215	254	294	333	373
110%	77.0	90	132	173	215	257	298	340	382	423
115%	80.5	124	168	211	255	299	342	386	430	474
120%	84.0	157	203	249	295	341	387	432	478	524

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-66	-46	-26	-5	15	35	56	76	96
85%	59.5	-43	-21	1	23	44	66	88	110	132
90%	63.0	-19	4	27	51	74	97	120	144	167
95%	66.5	4	29	54	79	103	128	153	177	202
100%	70.0	28	54	80	106	133	159	185	211	237
105%	73.5	51	79	107	134	162	190	217	245	273
110%	77.0	75	104	133	162	191	221	250	279	308
115%	80.5	98	129	160	190	221	251	282	313	343
120%	84.0	122	154	186	218	250	282	314	346	379

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-128	-107	-87	-67	-46	-26	-6	15	35
85%	59.5	-104	-82	-61	-39	-17	5	27	48	70
90%	63.0	-81	-57	-34	-11	12	36	59	82	105
95%	66.5	-57	-32	-8	17	42	67	91	116	141
100%	70.0	-34	-7	19	45	71	97	124	150	176
105%	73.5	-10	18	45	73	101	128	156	184	211
110%	77.0	13	43	72	101	130	159	188	217	247
115%	80.5	37	68	98	129	159	190	221	251	282
120%	84.0	61	93	125	157	189	221	253	285	317

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, 2015.

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	6.00	5.0000	30.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.50	130.0000	65.00	_____
LA Phosphate	lb	0.61	40.0000	24.40	_____
LA Potash	lb	0.34	60.0000	20.40	_____
FUNGICIDES					
Quadris	oz	1.95	10.0000	19.50	_____
HERBICIDES					
Newpath 2SL	oz	3.47	8.0000	27.76	_____
Aim 2EC	oz	7.19	1.6000	11.50	_____
INSECTICIDES					
Karate Z	oz	3.40	4.0000	13.60	_____
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_____
SEED/PLANTS					
Rice Clearfield 161	lb	1.00	100.0000	100.00	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	6.50	3.8000	24.70	_____
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	9.60	0.8574	8.24	_____
LA Irrigation Labor					
Irrigation System 1	hour	9.60	0.2153	2.07	_____
DIESEL FUEL					
Tractors	gal	2.75	11.0156	30.28	_____
Self-Propelled	gal	2.75	2.5825	7.10	_____
Irrigation System 1	gal	2.75	32.8389	90.30	_____
REPAIR & MAINTENANCE					
Implements	acre	3.43	1.0000	3.43	_____
Tractors	acre	6.21	1.0000	6.21	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 1	acre	3.75	1.0000	3.75	_____
INTEREST ON OP. CAP.	acre	10.88	1.0000	10.88	_____

TOTAL DIRECT EXPENSES				620.71	_____
FIXED EXPENSES					
Implements	acre	7.37	1.0000	7.37	_____
Tractors	acre	37.53	1.0000	37.53	_____
Self-Propelled	acre	19.53	1.0000	19.53	_____
Irrigation System 1	acre	32.74	1.0000	32.74	_____

TOTAL FIXED EXPENSES				97.17	_____

TOTAL SPECIFIED EXPENSES				717.88	_____

Table 2.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Water Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk Harrow	32'	4WD 300	0.061	2.00	Nov	6.27	6.48	1.73	3.53	0.12	1.18				19.19
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	5.12	5.28	0.15	0.36	0.10	0.96				11.87
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	2.72	2.75	0.17	0.13	0.10	1.02				6.79
Ditcher		MFWD 150	0.020	1.00	Nov	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	2.38	2.46	0.46	1.88	0.04	0.45				7.63
App Fert by Air	cwt			1.00	Feb							1.5000	6.50	9.75	9.75
LA Nitrogen	lb											70.0000	0.50	35.00	35.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	6.50	6.50	6.50
LA Phosphate	lb											40.0000	0.61	24.40	24.40
LA Potash	lb											60.0000	0.34	20.40	20.40
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Ditcher		MFWD 150	0.020	1.00	Feb	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Blade-Scraper	10'	MFWD 150	1.176	0.09	Feb	2.72	2.75	0.17	0.13	0.10	1.02				6.79
Rice Gates	each			1.00	Feb							1.0000	3.65	3.65	3.65
LARice Backhoe-Rrmnt	2 ft	MFWD 150	0.500	0.05	Feb	0.64	0.65	0.13	0.18	0.02	0.24				1.84
LARice Water Level	24 ft	4WD 300	0.149	2.00	Feb	15.33	15.82	0.46	0.93	0.29	2.88				35.42
Irrigation System 1					Mar										
LARice Air Plant SW	cwt			1.00	Apr							1.0000	5.60	5.60	5.60
Rice Clearfield 161	lb											100.0000	1.00	100.00	100.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.00	6.00	6.00
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	Apr							1.0000	6.00	6.00	6.00
Newpath 2SL	oz											4.0000	3.47	13.88	13.88
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.00	6.00	6.00
Newpath 2SL	oz											4.0000	3.47	13.88	13.88
Aim 2EC	oz											1.6000	7.19	11.50	11.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	6.50	8.45	8.45
LA Nitrogen	lb											60.0000	0.50	30.00	30.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.00	6.00	6.00
Quadris	oz											10.0000	1.95	19.50	19.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.00	6.00	6.00
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	20.31	19.53			0.33	5.05				44.89
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.29	0.30	0.08	0.13	0.01	0.11				0.91
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 1	acre				Mar			94.05	32.74	0.21	2.07	1.0000			128.86
TOTALS						56.80	57.06	97.48	40.11	1.40	15.36			440.19	707.00
INTEREST ON OPERATING CAPITAL															10.88
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															717.88

Table 2.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Clearfield Variety, Water Planted, Conventional Tillage,
Southwest Louisiana, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-65	-36	-7	22	51	80	109	138	167
85%	59.5	-32	-1	30	62	93	124	155	186	217
90%	63.0	2	35	68	101	135	168	201	234	268
95%	66.5	35	71	106	141	177	212	247	283	318
100%	70.0	69	106	144	181	219	256	294	331	368
105%	73.5	103	142	182	221	261	300	340	379	419
110%	77.0	136	178	219	261	303	344	386	428	469
115%	80.5	170	213	257	301	345	388	432	476	520
120%	84.0	203	249	295	341	387	432	478	524	570

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-163	-134	-105	-76	-47	-17	12	41	70
85%	59.5	-129	-98	-67	-36	-5	27	58	89	120
90%	63.0	-95	-62	-29	4	37	71	104	137	170
95%	66.5	-62	-26	9	44	79	115	150	185	221
100%	70.0	-28	9	47	84	121	159	196	234	271
105%	73.5	5	45	84	124	163	203	243	282	322
110%	77.0	39	81	122	164	205	247	289	330	372
115%	80.5	73	116	160	204	247	291	335	379	422
120%	84.0	106	152	198	244	289	335	381	427	473

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-114	-94	-74	-53	-33	-13	7	28	48
85%	59.5	-91	-69	-47	-26	-4	18	40	62	83
90%	63.0	-67	-44	-21	2	26	49	72	95	119
95%	66.5	-44	-19	6	30	55	80	104	129	154
100%	70.0	-20	6	32	58	84	111	137	163	189
105%	73.5	3	31	58	86	114	141	169	197	224
110%	77.0	27	56	85	114	143	172	201	231	260
115%	80.5	50	81	111	142	173	203	234	264	295
120%	84.0	74	106	138	170	202	234	266	298	330

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-179	-159	-168	-118	-98	-77	-57	-37	-16
85%	59.5	-155	-134	-112	-90	-68	-46	-25	-3	19
90%	63.0	-132	-109	-85	-62	-39	-16	8	31	54
95%	66.5	-108	-84	-59	-34	-9	15	40	65	89
100%	70.0	-85	-59	-32	-6	20	46	72	99	125
105%	73.5	-61	-34	-6	22	49	77	105	132	160
110%	77.0	-38	-9	21	50	79	108	137	166	195
115%	80.5	-14	16	47	78	108	139	169	200	231
120%	84.0	9	41	73	106	138	170	202	234	266

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, 2015.

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	6.00	4.0000	24.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.50	130.0000	65.00	_____
LA Phosphate	lb	0.61	40.0000	24.40	_____
LA Potash	lb	0.34	60.0000	20.40	_____
FUNGICIDES					
Quadris	oz	1.95	10.0000	19.50	_____
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	6.50	3.8000	24.70	_____
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	9.60	0.7118	6.85	_____
LA Irrigation Labor					
Irrigation System 2	hour	9.60	0.2074	1.99	_____
DIESEL FUEL					
Tractors	gal	2.75	7.5765	20.82	_____
Self-Propelled	gal	2.75	2.5825	7.10	_____
Irrigation System 2	gal	2.75	35.4660	97.53	_____
REPAIR & MAINTENANCE					
Implements	acre	4.43	1.0000	4.43	_____
Tractors	acre	4.30	1.0000	4.30	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 2	acre	3.61	1.0000	3.61	_____
INTEREST ON OP. CAP.	acre	9.29	1.0000	9.29	_____

TOTAL DIRECT EXPENSES				531.16	_____
FIXED EXPENSES					
Implements	acre	9.03	1.0000	9.03	_____
Tractors	acre	25.72	1.0000	25.72	_____
Self-Propelled	acre	19.53	1.0000	19.53	_____
Irrigation System 2	acre	32.74	1.0000	32.74	_____

TOTAL FIXED EXPENSES				87.02	_____

TOTAL SPECIFIED EXPENSES				618.18	_____

Table 3.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Drill Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk Harrow	32'	4WD 300	0.061	2.00	Nov	6.27	6.48	1.73	3.53	0.12	1.18				19.19
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	5.12	5.28	0.15	0.36	0.10	0.96				11.87
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	2.72	2.75	0.17	0.13	0.10	1.02				6.79
Ditcher		MFWD 150	0.020	1.00	Nov	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	2.38	2.46	0.46	1.88	0.04	0.45				7.63
App Fert by Air	cwt			1.00	Feb							1.5000	6.50	9.75	9.75
LA Nitrogen	lb											70.0000	0.50	35.00	35.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	6.50	6.50	6.50
LA Phosphate	lb											40.0000	0.61	24.40	24.40
LA Potash	lb											60.0000	0.34	20.40	20.40
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	2.42	2.45	1.33	2.45	0.18	1.76				10.41
Rice Seed Conv.	lb											90.0000	0.38	34.20	34.20
Ditcher		MFWD 150	0.020	1.00	Apr	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	2.72	2.75	0.17	0.13	0.10	1.02				6.79
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	0.64	0.65	0.13	0.18	0.02	0.24				1.84
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	1.54	1.56	0.13	0.14	0.05	0.58				3.95
Command 3ME	pt											0.8000	18.50	14.80	14.80
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.00	6.00	6.00
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	6.00	6.00	6.00
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	6.50	8.45	8.45
LA Nitrogen	lb											60.0000	0.50	30.00	30.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.00	6.00	6.00
Quadris	oz											10.0000	1.95	19.50	19.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.00	6.00	6.00
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	20.31	19.53			0.33	5.05				44.89
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.29	0.30	0.08	0.13	0.01	0.11				0.91
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			101.14	32.74	0.20	1.99	1.0000			135.87
TOTALS						45.43	45.25	105.57	41.77	1.34	14.74			356.13	608.89
INTEREST ON OPERATING CAPITAL															9.29
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															618.18

Table 3.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	24	53	82	111	140	169	198	227	256
85%	59.5	58	89	120	151	182	213	244	276	307
90%	63.0	91	125	158	191	224	257	291	324	357
95%	66.5	125	160	196	231	266	302	337	372	407
100%	70.0	159	196	233	271	308	346	383	420	458
105%	73.5	192	232	271	311	350	390	429	469	508
110%	77.0	226	267	309	351	392	434	475	517	559
115%	80.5	259	303	347	390	434	478	522	565	609
120%	84.0	293	339	385	430	476	522	568	614	659

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

Table 3.C2 Estimated Net Returns above Total Specified Costs for an Owner Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-63	-34	-5	24	53	82	111	140	169
85%	59.5	-30	2	33	64	95	126	157	188	219
90%	63.0	4	37	70	104	137	170	203	237	270
95%	66.5	38	73	108	144	179	214	250	285	320
100%	70.0	71	109	146	183	221	258	296	333	371
105%	73.5	105	144	184	223	263	302	342	381	421
110%	77.0	138	180	222	263	305	347	388	430	471
115%	80.5	172	216	259	303	347	391	434	478	522
120%	84.0	206	251	297	343	389	435	481	526	572

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-18	3	23	43	64	84	104	125	145
85%	59.5	6	28	49	71	93	115	137	158	180
90%	63.0	29	53	76	99	122	146	169	192	215
95%	66.5	53	78	102	127	152	177	201	226	251
100%	70.0	76	103	129	155	181	207	234	260	286
105%	73.5	100	128	155	183	211	238	266	294	321
110%	77.0	123	153	182	211	240	269	298	327	357
115%	80.5	147	178	208	239	269	300	331	361	392
120%	84.0	171	203	235	267	299	331	363	395	427

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-72	-52	-32	-11	9	29	50	70	90
85%	59.5	-49	-27	-5	17	38	60	82	104	126
90%	63.0	-25	-2	21	45	68	91	114	138	161
95%	66.5	-2	23	48	73	97	122	147	171	196
100%	70.0	22	48	74	100	127	153	179	205	231
105%	73.5	45	73	101	128	156	184	211	239	267
110%	77.0	69	98	127	156	185	215	244	273	302
115%	80.5	92	123	154	184	215	245	276	307	337
120%	84.0	116	148	180	212	244	276	308	340	373

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, 2015.

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	6.00	5.0000	30.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	77.7000	69.93	_____
FERTILIZERS					
LA Nitrogen	lb	0.50	130.0000	65.00	_____
LA Phosphate	lb	0.61	40.0000	24.40	_____
LA Potash	lb	0.34	60.0000	20.40	_____
FUNGICIDES					
Quadris	oz	1.95	10.0000	19.50	_____
HERBICIDES					
Newpath 2SL	oz	3.47	8.0000	27.76	_____
Aim 2EC	oz	7.19	1.6000	11.50	_____
INSECTICIDES					
Karate Z	oz	3.40	4.0000	13.60	_____
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_____
SEED/PLANTS					
Rice Clearfield 161	lb	1.00	75.0000	75.00	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	6.50	3.8000	24.70	_____
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	9.60	0.6518	6.27	_____
LA Irrigation Labor					
Irrigation System 2	hour	9.60	0.2074	1.99	_____
DIESEL FUEL					
Tractors	gal	2.75	7.2104	19.82	_____
Self-Propelled	gal	2.75	2.5825	7.10	_____
Irrigation System 2	gal	2.75	35.4660	97.53	_____
REPAIR & MAINTENANCE					
Implements	acre	4.30	1.0000	4.30	_____
Tractors	acre	4.10	1.0000	4.10	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 2	acre	3.61	1.0000	3.61	_____
INTEREST ON OP. CAP.	acre	10.19	1.0000	10.19	_____

TOTAL DIRECT EXPENSES				583.26	_____
FIXED EXPENSES					
Implements	acre	8.89	1.0000	8.89	_____
Tractors	acre	24.71	1.0000	24.71	_____
Self-Propelled	acre	19.53	1.0000	19.53	_____
Irrigation System 2	acre	32.74	1.0000	32.74	_____

TOTAL FIXED EXPENSES				85.87	_____

TOTAL SPECIFIED EXPENSES				669.13	_____

Table 4.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Drill Plant, Conventional Tillage, (In Rotation), Southwest Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk Harrow	32'	4WD 300	0.061	2.00	Nov	6.27	6.48	1.73	3.53	0.12	1.18				19.19
LARice Levee Plow	8 ft	4WD 300	0.050	2.00	Nov	5.12	5.28	0.15	0.36	0.10	0.96				11.87
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	2.72	2.75	0.17	0.13	0.10	1.02				6.79
Ditcher		MFWD 150	0.020	1.00	Nov	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	2.38	2.46	0.46	1.88	0.04	0.45				7.63
App Fert by Air	cwt			1.00	Feb							1.5000	6.50	9.75	9.75
LA Nitrogen	lb											70.0000	0.50	35.00	35.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	6.50	6.50	6.50
LA Phosphate	lb											40.0000	0.61	24.40	24.40
LA Potash	lb											60.0000	0.34	20.40	20.40
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	2.76	3.00	1.33	2.45	0.18	1.76				11.30
Rice Clearfield 161	lb											75.0000	1.00	75.00	75.00
Ditcher		MFWD 150	0.020	1.00	Apr	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	2.72	2.75	0.17	0.13	0.10	1.02				6.79
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	0.64	0.65	0.13	0.18	0.02	0.24				1.84
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.00	6.00	6.00
Newpath 2SL	oz											4.0000	3.47	13.88	13.88
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.00	6.00	6.00
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	6.00	6.00	6.00
Newpath 2SL	oz											4.0000	3.47	13.88	13.88
Aim 2EC	oz											1.6000	7.19	11.50	11.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Jun							1.3000	6.50	8.45	8.45
LA Nitrogen	lb											60.0000	0.50	30.00	30.00
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.00	6.00	6.00
Quadris	oz											10.0000	1.95	19.50	19.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.00	6.00	6.00
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	20.31	19.53			0.33	5.05				44.89
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.29	0.30	0.08	0.13	0.01	0.11				0.91
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			101.14	32.74	0.20	1.99	1.0000			135.87
TOTALS						44.23	44.24	105.44	41.63	1.28	14.16			409.24	658.94
INTEREST ON OPERATING CAPITAL															10.19
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															669.13

Table 4.C1 Estimated Net Returns above Direct Costs for an Owner Operator Rice, Clearfield Variety, Drill Planted, Conventional Tillage, Southwest Louisiana, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-28	1	30	59	88	117	146	175	204
85%	59.5	6	37	68	99	130	161	192	223	255
90%	63.0	39	72	106	139	172	205	239	272	305
95%	66.5	73	108	143	179	214	249	285	320	355
100%	70.0	106	144	181	219	256	294	331	368	406
105%	73.5	140	180	219	259	298	338	377	417	456
110%	77.0	174	215	257	298	340	382	423	465	507
115%	80.5	207	251	295	338	382	426	470	513	557
120%	84.0	241	287	332	378	424	470	516	562	607

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-114	-85	-56	-27	2	31	60	89	118
85%	59.5	-80	-49	-18	13	44	75	106	138	169
90%	63.0	-47	-13	20	53	86	119	153	186	219
95%	66.5	-13	22	58	93	128	164	199	234	270
100%	70.0	21	58	95	133	170	208	245	283	320
105%	73.5	54	94	133	173	212	252	291	331	370
110%	77.0	88	129	171	213	254	296	337	379	421
115%	80.5	121	165	209	253	296	340	384	427	471
120%	84.0	155	201	247	292	338	384	430	476	522

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-70	-49	-29	-9	12	32	52	72	93
85%	59.5	-46	-24	-3	19	41	63	84	106	128
90%	63.0	-23	1	24	47	70	94	117	140	163
95%	66.5	1	26	50	75	100	124	149	174	199
100%	70.0	24	51	77	103	129	155	181	208	234
105%	73.5	48	76	103	131	159	186	214	242	269
110%	77.0	71	101	130	159	188	217	246	275	304
115%	80.5	95	125	156	187	217	248	279	309	340
120%	84.0	118	150	183	215	247	279	311	343	375

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	56.0	-123	-103	-82	-62	-42	-21	-1	19	40
85%	59.5	-99	-78	-56	-34	-12	10	31	53	75
90%	63.0	-76	-53	-29	-6	17	40	64	87	110
95%	66.5	-52	-28	-3	22	47	71	96	121	145
100%	70.0	-29	-3	24	50	76	102	128	155	181
105%	73.5	-5	22	50	78	105	133	161	188	216
110%	77.0	18	47	77	106	135	164	193	222	251
115%	80.5	42	72	103	134	164	195	225	256	287
120%	84.0	65	97	129	162	194	226	258	290	322

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, 2015.

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	6.00	4.0000	24.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	88.8000	79.92	_____
FERTILIZERS					
LA Nitrogen	lb	0.50	150.0000	75.00	_____
LA Phosphate	lb	0.61	40.0000	24.40	_____
LA Potash	lb	0.34	60.0000	20.40	_____
FUNGICIDES					
Stratego	pt	24.91	0.7100	17.69	_____
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	6.50	3.8000	24.70	_____
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	9.60	0.6505	6.26	_____
LA Irrigation Labor					
Irrigation System 2	hour	9.60	0.2074	1.99	_____
DIESEL FUEL					
Tractors	gal	2.75	6.6287	18.22	_____
Self-Propelled	gal	2.75	2.5825	7.10	_____
Irrigation System 2	gal	2.75	35.4660	97.53	_____
REPAIR & MAINTENANCE					
Implements	acre	3.57	1.0000	3.57	_____
Tractors	acre	3.77	1.0000	3.77	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 2	acre	3.61	1.0000	3.61	_____
INTEREST ON OP. CAP.	acre	14.52	1.0000	14.52	_____

TOTAL DIRECT EXPENSES				678.79	_____
FIXED EXPENSES					
Implements	acre	7.27	1.0000	7.27	_____
Tractors	acre	22.48	1.0000	22.48	_____
Self-Propelled	acre	19.53	1.0000	19.53	_____
Irrigation System 2	acre	32.74	1.0000	32.74	_____

TOTAL FIXED EXPENSES				82.02	_____

TOTAL SPECIFIED EXPENSES				760.81	_____

Table 5.B Estimated resource use and costs for field operations, per acre, Rice, Hybrid Variety, Drill Planted, (In Rotation), Southwest Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk Harrow	32'	4WD 300	0.061	1.00	Nov	3.14	3.24	0.87	1.77	0.06	0.59				9.61
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	5.12	5.28	0.15	0.36	0.10	0.96				11.87
Blade-Scraper	10'	MFWD 150	1.176	0.09	Nov	2.72	2.75	0.17	0.13	0.10	1.02				6.79
Ditcher		MFWD 150	0.020	1.00	Nov	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Field Cultivate	32'	4WD 300	0.046	1.00	Feb	2.38	2.46	0.46	1.88	0.04	0.45				7.63
App Fert by Air	cwt			1.00	Feb							1.5000	6.50	9.75	9.75
LA Nitrogen	lb											75.0000	0.50	37.50	37.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App Fert by Air	cwt			1.00	Feb							1.0000	6.50	6.50	6.50
LA Phosphate	lb											40.0000	0.61	24.40	24.40
LA Potash	lb											60.0000	0.34	20.40	20.40
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	2.42	2.45	1.33	2.45	0.18	1.76				10.41
Ditcher		MFWD 150	0.020	1.00	Apr	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	2.72	2.75	0.17	0.13	0.10	1.02				6.79
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	0.64	0.65	0.13	0.18	0.02	0.24				1.84
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	1.54	1.56	0.13	0.14	0.05	0.58				3.95
Command 3ME	pt											0.8000	18.50	14.80	14.80
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.00	6.00	6.00
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	6.00	6.00	6.00
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	6.50	8.45	8.45
LA Nitrogen	lb											75.0000	0.50	37.50	37.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.00	6.00	6.00
Stratego	pt											0.7100	24.91	17.69	17.69
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.00	6.00	6.00
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	20.31	19.53			0.33	5.05				44.89
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.29	0.30	0.08	0.13	0.01	0.11				0.91
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			101.14	32.74	0.20	1.99	1.0000			135.87
TOTALS						42.30	42.01	104.71	40.01	1.28	14.15			503.11	746.29
INTEREST ON OPERATING CAPITAL															14.52
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															760.81

Table 5.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Hybrid Variety, Drill Planted, Conventional Tillage,
Southwest Louisiana, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	64.0	-44	-11	22	55	88	122	155	188	221
85%	68.0	-6	30	65	101	136	172	208	243	279
90%	72.0	33	71	109	147	184	222	260	298	336
95%	76.0	71	111	152	192	232	273	313	354	394
100%	80.0	109	152	195	238	280	323	366	409	452
105%	84.0	148	193	238	283	328	374	419	464	509
110%	88.0	186	234	281	329	376	424	472	519	567
115%	92.0	225	275	325	375	424	474	524	574	624
120%	96.0	263	315	368	420	472	525	577	630	682

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	64.0	-126	-93	-60	-27	6	40	73	106	139
85%	68.0	-88	-52	-17	19	54	90	126	161	197
90%	72.0	-49	-11	27	65	102	140	178	216	254
95%	76.0	-11	29	70	110	150	191	231	272	312
100%	80.0	27	70	113	156	198	241	284	327	370
105%	84.0	66	111	156	201	246	292	337	382	427
110%	88.0	104	152	199	247	294	342	390	437	485
115%	92.0	143	193	243	293	342	392	442	492	542
120%	96.0	181	233	286	338	390	443	495	548	600

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	64.0	-106	-83	-59	-36	-13	10	33	57	80
85%	68.0	-79	-54	-29	-4	21	46	70	95	120
90%	72.0	-52	-26	1	28	54	81	107	134	161
95%	76.0	-25	3	31	60	88	116	144	173	201
100%	80.0	2	32	62	91	121	151	181	211	241
105%	84.0	29	60	92	123	155	187	218	250	281
110%	88.0	55	89	122	155	189	222	255	289	322
115%	92.0	82	117	152	187	222	257	292	327	362
120%	96.0	109	146	182	219	256	292	329	366	402

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	64.0	-155	-132	-109	-85	-62	-39	-16	7	31
85%	68.0	-128	-103	-78	-54	-29	-4	21	46	71
90%	72.0	-101	-75	-48	-22	5	32	58	85	111
95%	76.0	-74	-46	-18	10	39	67	95	123	152
100%	80.0	-48	-18	12	42	72	102	132	162	192
105%	84.0	-21	11	42	74	106	137	169	201	232
110%	88.0	6	39	73	106	139	173	206	239	273
115%	92.0	33	68	103	138	173	208	243	278	313
120%	96.0	60	97	133	170	207	243	280	317	353

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, 2015.

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	0.50	55.0000	27.50	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	6.50	1.2000	7.80	_____
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	9.60	0.0820	0.79	_____
LA Irrigation Labor					
Irrigation System 3	hour	9.60	0.0861	0.83	_____
DIESEL FUEL					
Tractors	gal	2.75	0.6332	1.74	_____
Self-Propelled	gal	2.75	2.5825	7.10	_____
Irrigation System 3	gal	2.75	13.1355	36.13	_____
REPAIR & MAINTENANCE					
Implements	acre	0.19	1.0000	0.19	_____
Tractors	acre	0.37	1.0000	0.37	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
INTEREST ON OP. CAP.	acre	1.61	1.0000	1.61	_____

TOTAL DIRECT EXPENSES				132.52	_____
FIXED EXPENSES					
Implements	acre	0.21	1.0000	0.21	_____
Tractors	acre	2.13	1.0000	2.13	_____
Self-Propelled	acre	19.53	1.0000	19.53	_____

TOTAL FIXED EXPENSES				21.87	_____

TOTAL SPECIFIED EXPENSES				154.39	_____

Table 6.B Estimated resource use and costs for field operations, per acre, Rice, Ratoon Crop, Southwest Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Blade-Scraper	10'	MFWD 150	1.176	0.06	Aug	1.82	1.83	0.11	0.08	0.07	0.68				4.52
Irrigation System 3					Aug										
App Fert by Air	cwt			1.00	Aug							1.2000	6.50	7.80	7.80
LA Nitrogen	lb											55.0000	0.50	27.50	27.50
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
LA Rice Combine-2		25 ft	0.300	1.00	Oct	20.31	19.53			0.33	5.05				44.89
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Oct	0.29	0.30	0.08	0.13	0.01	0.11				0.91
LARice Haul	cwt			1.00	Oct							23.0000	0.30	6.90	6.90
LARice Dry	cwt			1.00	Nov							25.5000	0.90	22.95	22.95
Irrigation System 3	acre				Aug			36.13		0.08	0.83	1.0000			36.96
TOTALS						22.42	21.66	36.32	0.21	0.49	6.67			65.50	152.78
INTEREST ON OPERATING CAPITAL															1.61
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															154.39

Table 6.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Ratoon Crop,
Southwest Louisiana, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	18.4	50	59	69	79	88	98	107	117	126
85%	19.6	61	71	81	92	102	112	122	133	143
90%	20.7	72	83	94	105	116	127	137	148	159
95%	21.9	83	95	106	118	129	141	153	164	176
100%	23.0	94	106	119	131	143	156	168	180	192
105%	24.2	105	118	131	144	157	170	183	196	209
110%	25.3	116	130	143	157	171	185	198	212	226
115%	26.5	127	142	156	170	185	199	213	228	242
120%	27.6	138	153	168	183	198	214	229	244	259

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	18.4	28	38	47	57	66	76	85	95	104
85%	19.6	39	49	60	70	80	90	100	111	121
90%	20.7	50	61	72	83	94	105	116	127	137
95%	21.9	61	73	84	96	108	119	121	142	154
100%	23.0	72	84	97	109	121	134	146	158	171
105%	24.2	83	96	109	122	135	148	161	174	187
110%	25.3	94	108	122	135	149	163	176	190	204
115%	26.5	105	120	134	148	163	177	192	206	220
120%	27.6	116	131	146	162	177	192	207	222	237

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	18.4	40	47	54	60	67	74	80	87	94
85%	19.6	48	55	62	69	77	84	91	98	105
90%	20.7	56	63	71	79	86	94	102	109	117
95%	21.9	63	72	80	88	96	104	112	120	128
100%	23.0	71	80	88	97	106	114	123	131	140
105%	24.2	79	88	97	106	115	124	133	143	152
110%	25.3	87	96	106	115	125	134	144	154	163
115%	26.5	94	104	114	125	135	145	155	165	175
120%	27.6	102	113	123	134	144	155	165	176	186

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	18.4	18	25	32	38	45	52	58	65	72
85%	19.6	26	33	40	48	55	62	69	76	83
90%	20.7	34	41	49	57	64	72	80	87	95
95%	21.9	42	50	58	66	74	82	90	98	107
100%	23.0	49	58	67	75	84	92	101	110	118
105%	24.2	57	66	75	84	93	102	112	121	130
110%	25.3	65	74	84	93	103	113	122	132	141
115%	26.5	72	83	93	103	113	123	133	143	153
120%	27.6	80	91	101	112	122	133	143	154	165

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, 2015.

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	6.00	4.0000	24.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	82.1000	73.89	_____
FERTILIZERS					
LA Nitrogen	lb	0.50	170.0000	85.00	_____
FUNGICIDES					
Quadris	oz	1.95	10.0000	19.50	_____
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	6.50	3.7000	24.05	_____
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	9.60	0.8249	7.93	_____
LA Irrigation Labor					
Irrigation System 5	hour	9.60	0.4361	4.21	_____
DIESEL FUEL					
Tractors	gal	2.75	7.9039	21.72	_____
Self-Propelled	gal	2.75	2.5825	7.10	_____
Irrigation System 5	gal	2.75	28.5331	78.47	_____
REPAIR & MAINTENANCE					
Implements	acre	5.40	1.0000	5.40	_____
Tractors	acre	4.31	1.0000	4.31	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 5	acre	2.17	1.0000	2.17	_____
INTEREST ON OP. CAP.	acre	6.92	1.0000	6.92	_____

TOTAL DIRECT EXPENSES				492.48	_____
FIXED EXPENSES					
Implements	acre	11.20	1.0000	11.20	_____
Tractors	acre	25.87	1.0000	25.87	_____
Self-Propelled	acre	19.53	1.0000	19.53	_____
Irrigation System 5	acre	12.80	1.0000	12.80	_____

TOTAL FIXED EXPENSES				69.40	_____

TOTAL SPECIFIED EXPENSES				561.88	_____

Table 7.B Estimated resource use and costs for field operations, per acre, Rice, Conventional Variety, Drill Plant, Conventional Tillage, (In Rotation), Northeast Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk Harrow	32'	4WD 300	0.061	1.00	Nov	3.14	3.24	0.87	1.77	0.06	0.59				9.61
Ditcher		MFWD 150	0.020	2.00	Nov	1.03	1.04	0.08	0.10	0.04	0.38				2.63
Disk Harrow	28'	MFWD 190	0.070	2.00	Mar	4.47	4.28	1.76	3.59	0.14	1.35				15.45
Irrigation System 5					Mar										
Ditcher		MFWD 150	0.020	1.00	Mar	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Field Cultivate	32'	4WD 300	0.046	1.00	Mar	2.38	2.46	0.46	1.88	0.04	0.45				7.63
LARice Levee Plow	8 ft	MFWD 190	0.050	4.00	Mar	6.38	6.10	0.31	0.73	0.20	1.92				15.44
App Fert by Air	cwt			1.00	Apr							0.4000	6.50	2.60	2.60
LA Nitrogen	lb											20.0000	0.50	10.00	10.00
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	2.42	2.45	1.33	2.45	0.18	1.76				10.41
Rice Seed Conv.	lb											90.0000	0.38	34.20	34.20
Ditcher		MFWD 150	0.020	1.00	Apr	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	2.72	2.75	0.17	0.13	0.10	1.02				6.79
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	0.64	0.65	0.13	0.18	0.02	0.24				1.84
LA Boom Sprayer	30 ft	MFWD 150	0.059	1.00	Apr	1.54	1.56	0.13	0.14	0.05	0.58				3.95
Command 3ME	pt											0.8000	18.50	14.80	14.80
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.00	6.00	6.00
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	6.00	6.00	6.00
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	6.50	13.00	13.00
LA Nitrogen	lb											90.0000	0.50	45.00	45.00
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	Jun							1.3000	6.50	8.45	8.45
LA Nitrogen	lb											60.0000	0.50	30.00	30.00
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.00	6.00	6.00
Quadris	oz											10.0000	1.95	19.50	19.50
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.00	6.00	6.00
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	20.31	19.53			0.33	5.05				44.89
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.29	0.30	0.08	0.13	0.01	0.11				0.91
LARice Haul	cwt			1.00	Aug							74.0000	0.30	22.20	22.20
LARice Dry	cwt			1.00	Aug							82.1000	0.90	73.89	73.89
Irrigation System 5	acre				Mar			80.64	12.80	0.43	4.21	1.0000			97.65
TOTALS						46.34	45.40	86.04	24.00	1.68	18.04			335.14	554.96
INTEREST ON OPERATING CAPITAL															6.92
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															561.88

Table 7.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Conventional Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	59.2	94	125	156	187	217	248	279	309	340
85%	62.9	130	163	196	229	262	295	327	360	393
90%	66.6	166	201	236	271	306	341	376	411	446
95%	70.3	201	238	276	313	350	388	425	462	500
100%	74.0	237	276	316	355	395	434	474	513	553
105%	77.7	272	314	356	397	439	481	523	565	606
110%	81.4	308	352	396	440	484	528	572	616	660
115%	85.1	343	389	436	482	528	574	620	667	713
120%	88.8	379	427	476	524	572	621	669	718	766

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	59.2	25	56	86	117	148	178	209	240	271
85%	62.9	61	94	126	159	192	225	258	291	324
90%	66.6	96	131	166	201	237	272	307	342	377
95%	70.3	132	169	206	244	281	318	356	393	430
100%	74.0	167	207	246	286	325	365	405	444	484
105%	77.7	203	244	286	328	370	412	453	495	537
110%	81.4	238	282	326	370	414	458	502	546	590
115%	85.1	274	320	366	412	459	505	551	597	643
120%	88.8	309	358	406	455	503	551	600	648	697

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	59.2	26	47	69	90	112	133	155	176	196
85%	62.9	51	74	97	120	143	166	189	212	235
90%	66.6	75	100	125	149	174	198	223	248	272
95%	70.3	100	126	153	179	205	231	257	283	309
100%	74.0	125	153	181	208	236	264	291	319	347
105%	77.7	150	179	209	238	267	296	325	355	384
110%	81.4	175	206	236	267	298	329	360	390	421
115%	85.1	200	232	264	297	329	362	394	426	459
120%	88.8	225	259	2992	326	360	394	428	462	496

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	59.2	-31	-9	12	34	55	76	98	119	141
85%	62.9	-6	17	40	63	86	109	132	155	178
90%	66.6	19	43	68	93	117	142	166	191	216
95%	70.3	44	70	96	122	148	174	201	227	253
100%	74.0	69	96	124	152	179	207	235	262	290
105%	77.7	93	123	152	181	210	240	269	298	327
110%	81.4	118	149	180	211	241	272	303	334	365
115%	85.1	143	176	208	240	273	305	337	370	402
120%	88.8	168	202	236	270	304	338	371	405	439

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

Table 8.A Estimated costs per acre,
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Northest Louisiana, 2015.

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	6.00	5.0000	30.00	_____
GIN/DRY					
LARice Dry	cwt	0.90	82.1000	73.89	_____
FERTILIZERS					
LA Nitrogen	lb	0.50	170.0000	85.00	_____
FUNGICIDES					
Quadris	oz	1.95	10.0000	19.50	_____
HERBICIDES					
Newpath 2SL	oz	3.47	8.0000	27.76	_____
Aim 2EC	oz	7.19	1.6000	11.50	_____
INSECTICIDES					
Karate Z	oz	3.40	4.0000	13.60	_____
IRRIGATION SUPPLIES					
Rice Gates	each	3.65	1.0000	3.65	_____
SEED/PLANTS					
Rice Clearfield 161	lb	1.00	75.0000	75.00	_____
CUSTOM FERT/LIME					
App Fert by Air	cwt	6.50	3.7000	24.05	_____
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	9.60	0.7537	7.24	_____
LA Irrigation Labor					
Irrigation System 5	hour	9.60	0.4361	4.21	_____
DIESEL FUEL					
Tractors	gal	2.75	6.7604	18.57	_____
Self-Propelled	gal	2.75	2.5825	7.10	_____
Irrigation System 5	gal	2.75	28.5331	78.47	_____
REPAIR & MAINTENANCE					
Implements	acre	5.24	1.0000	5.24	_____
Tractors	acre	3.60	1.0000	3.60	_____
Self-Propelled	acre	13.21	1.0000	13.21	_____
Irrigation System 5	acre	2.17	1.0000	2.17	_____
INTEREST ON OP. CAP.	acre	7.75	1.0000	7.75	_____

TOTAL DIRECT EXPENSES				541.61	_____
FIXED EXPENSES					
Implements	acre	11.04	1.0000	11.04	_____
Tractors	acre	21.65	1.0000	21.65	_____
Self-Propelled	acre	19.53	1.0000	19.53	_____
Irrigation System 5	acre	12.80	1.0000	12.80	_____

TOTAL FIXED EXPENSES				65.02	_____

TOTAL SPECIFIED EXPENSES				606.63	_____

Table 8.B Estimated resource use and costs for field operations, per acre, Rice, Clearfield Variety, Drill Plant, Conventional Tillage, (In Rotation), Northeast Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Disk Harrow	28'	MFWD 190	0.070	1.00	Nov	2.24	2.14	0.88	1.80	0.07	0.67				7.73
Ditcher		MFWD 150	0.020	1.00	Nov	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Disk Harrow	28'	MFWD 190	0.070	2.00	Mar	4.47	4.28	1.76	3.59	0.14	1.35				15.45
Irrigation System 5					Mar										
Ditcher		MFWD 150	0.020	1.00	Mar	0.51	0.52	0.04	0.05	0.02	0.19				1.31
Field Cultivate	32'	MFWD 190	0.046	1.00	Mar	1.48	1.42	0.46	1.88	0.04	0.45				5.69
LARice Levee Plow	8 ft	MFWD 190	0.050	4.00	Mar	6.38	6.10	0.31	0.73	0.20	1.92				15.44
App Fert by Air	cwt			1.00	Apr							0.4000	6.50	2.60	2.60
LA Nitrogen	lb											20.0000	0.50	10.00	10.00
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
Grain Drill	20'	MFWD 150	0.094	1.00	Apr	2.42	2.45	1.33	2.45	0.18	1.76				10.41
Rice Clearfield 161	lb											75.0000	1.00	75.00	75.00
Blade-Scraper	10'	MFWD 150	1.176	0.09	Apr	2.72	2.75	0.17	0.13	0.10	1.02				6.79
Ditcher		MFWD 150	0.020	1.00	Apr	0.51	0.52	0.04	0.05	0.02	0.19				1.31
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	0.64	0.65	0.13	0.18	0.02	0.24				1.84
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.00	6.00	6.00
Newpath 2SL	oz											4.0000	3.47	13.88	13.88
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Apr							1.0000	6.00	6.00	6.00
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	6.00	6.00	6.00
Newpath 2SL	oz											4.0000	3.47	13.88	13.88
Aim 2EC	oz											1.6000	7.19	11.50	11.50
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	May							2.0000	6.50	13.00	13.00
LA Nitrogen	lb											90.0000	0.50	45.00	45.00
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App Fert by Air	cwt			1.00	Jun							1.3000	6.50	8.45	8.45
LA Nitrogen	lb											60.0000	0.50	30.00	30.00
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	6.00	6.00	6.00
Quadris	oz											10.0000	1.95	19.50	19.50
LARice GPS Charge_NE	acre											1.0000	0.25	0.25	0.25
App by Air (5 gal)	appl			1.00	Jul							1.0000	6.00	6.00	6.00
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	20.31	19.53			0.33	5.05				44.89
Rice Grain Cart	500 Bu	MFWD 150	0.057	0.20	Aug	0.29	0.30	0.08	0.13	0.01	0.11				0.91
LARice Haul	cwt			1.00	Aug							74.0000	0.30	22.20	22.20
LARice Dry	cwt			1.00	Aug							82.1000	0.90	73.89	73.89
Irrigation System 5	acre				Mar			80.64	12.80	0.43	4.21	1.0000			97.65
TOTALS						42.48	41.18	85.88	23.84	1.61	17.35			388.15	598.88
INTEREST ON OPERATING CAPITAL															7.75
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															606.63

Table 8.C1 Estimated Net Returns above Direct Costs for an Owner Operator
Rice, Clearfield Variety, Drill Planted, Conventional Tillage,
Northeast Louisiana, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	59.2	45	76	107	137	168	199	229	260	291
85%	62.9	81	114	147	180	212	245	278	311	344
90%	66.6	116	152	187	222	257	292	327	362	397
95%	70.3	152	189	227	264	301	339	376	413	451
100%	74.0	187	227	267	306	346	385	425	464	504
105%	77.7	223	265	307	348	390	432	474	515	557
110%	81.4	258	302	346	390	434	478	522	566	610
115%	85.1	294	340	386	433	479	525	571	618	664
120%	88.8	330	378	426	475	523	572	620	669	717

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	59.2	-20	11	42	72	103	134	164	195	226
85%	62.9	16	49	82	115	147	180	213	246	279
90%	66.6	51	87	122	157	192	227	262	297	332
95%	70.3	87	124	162	199	236	274	311	348	386
100%	74.0	122	162	202	241	281	320	360	399	439
105%	77.7	158	200	242	283	325	367	409	450	492
110%	81.4	193	237	281	325	369	413	457	501	545
115%	85.1	229	275	321	368	414	460	506	553	599
120%	88.8	265	313	361	410	458	507	555	604	652

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	59.2	-23	-2	20	41	62	84	105	127	148
85%	62.9	1	24	47	71	94	117	140	163	186
90%	66.6	26	51	75	100	125	149	174	198	223
95%	70.3	51	77	103	130	156	182	208	234	260
100%	74.0	76	104	131	159	187	214	242	270	298
105%	77.7	101	130	159	189	218	247	276	306	335
110%	81.4	126	157	187	218	249	280	311	341	372
115%	85.1	151	183	215	248	280	312	345	377	409
120%	88.8	175	209	243	277	311	345	379	413	447

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, 2015.

		Percent								
		80%	85%	90%	95%	100%	105%	110%	115%	120%
	Yield	Rice Market Price ($/cwt)								
Percent	(cwt.)	$9.60	$10.20	$10.80	$11.40	$12.00	$12.60	$13.20	$13.80	$14.40
		($/acre)								
80%	59.2	-76	-54	-33	-11	10	32	53	75	96
85%	62.9	-51	-28	-5	18	41	64	87	110	133
90%	66.6	-26	-1	23	48	72	97	122	146	171
95%	70.3	-1	25	51	77	103	130	156	182	208
100%	74.0	24	51	79	107	135	162	190	218	245
105%	77.7	49	78	107	136	166	195	224	253	283
110%	81.4	74	104	135	166	197	228	258	289	320
115%	85.1	98	131	163	195	228	260	293	325	357
120%	88.8	123	157	191	225	259	293	327	361	395

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, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Underground Pipe 1	each								10.23	10.23
Gearhead 1	each								2.01	2.01
Engine 1	each								7.69	7.69
Application 1	Ac-in		14.45	0.60	0.33		0.56	15.94		15.94
Application 2	Ac-in		14.45	0.60	0.33		0.51	15.89		15.89
Application 3	Ac-in		18.06	0.75	0.41		0.56	19.78		19.78
Application 4	Ac-in		21.67	0.90	0.50		0.59	23.66		23.66
Application 5	Ac-in		21.67	0.90	0.50		0.51	23.58		23.58
Well 1	each								6.49	6.49
Pump 1	each								6.32	6.32
TOTALS		0.00	90.30	3.75	2.07	0.00	2.73	98.85	32.74	131.59

Note: Total irrigation application of 25 acre-inches.

Appendix Table 2. Rice Irrigation System 2 Costs, Drill Planted, Southwest Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Pump 2	each								6.32	6.32
Gearhead 2	each								2.01	2.01
Engine 2	each								7.69	7.69
Application 1	Ac-in		10.84	0.40	0.22		0.42	11.88		11.88
Application 2	Ac-in		10.84	0.40	0.22		0.42	11.88		11.88
Application 3	Ac-in		18.06	0.67	0.37		0.63	19.73		19.73
Application 4	Ac-in		18.06	0.67	0.37		0.56	19.66		19.66
Application 5	Ac-in		21.67	0.80	0.44		0.59	23.50		23.50
Application 6	Ac-in		18.06	0.67	0.37		0.42	19.52		19.52
Well 2	each								6.49	6.49
Underground Pipe 2	each								10.23	10.23
TOTALS		0.00	97.53	3.61	1.99	0.00	3.04	106.17	32.74	138.91

Note: Total irrigation application of 28 acre-inches.

Appendix Table 3. Rice Irrigation System 3 Costs, Ratoon Crop, Southwest Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Engine 1a	each									
Application 1	Ac-in		25.29		0.58		0.47	26.34		26.34
Application 2	Ac-in		10.84		0.25		0.16	11.25		11.25
TOTALS		0.00	36.13	0.00	0.83	0.00	0.63	37.59	0.00	37.59

Note: Total irrigation application of 10 acre-inches.

Appendix Table 4. Rice Irrigation System 5 Costs, Drill Planted, Northeast Louisiana, 2015.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Engine 3	each								3.89	3.89
Application 1	Ac-in		7.59	0.21	0.41		0.27	8.48		8.48
Application 2	Ac-in		7.59	0.21	0.41		0.27	8.48		8.48
Application 3	Ac-in		12.66	0.35	0.68		0.40	14.09		14.09
Application 4	Ac-in		12.66	0.35	0.68		0.35	14.04		14.04
Application 5	Ac-in		25.31	0.70	1.35		0.60	27.96		27.96
Application 6	Ac-in		12.66	0.35	0.68		0.25	13.94		13.94
Pump 3	each								3.34	3.34
Underground Pipe 3	each								2.36	2.36
Well 3	each								2.16	2.16
Gearhead 3	each								1.05	1.05
TOTALS		0.00	78.47	2.17	4.21	0.00	2.14	86.99	12.80	99.79

Note: Total irrigation application of 31 acre-inches

Appendix Table 5. Operating Inputs: Estimated Prices for 2015.

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
ADJUVANTS			GIN/DRY		
Crop Oil (Seed Oil)	pt	4.60	Dry Rice (cwt)	cwt	0.90
Crop Oil (Petroleum)	pt	3.60	HERBICIDES		
Surfactant	pt	3.60	2,4-D Amine 4	pt	1.85
CUSTOM FERT/LIME			Aim 2EC	oz	7.19
App Fert by Air	cwt	6.50	Aim DF	oz	9.65
App Fert by Air(Min)	appl	6.50	Arrosolo	qt	7.88
Custom Apply Fert	acre	7.50	Basagran	pt	11.88
Custom Spread(Truc	appl	4.50	Beyond	oz	4.29
Lime (Spread)	ton	48.00	Blazer Ultra	pt	9.56
CUSTOM HARVEST/HAUL			Bolero 8EC	pt	7.50
Haul Rice	bu	0.35	Clincher EC	oz	2.30
Haul Rice (cwt)	cwt	0.25	Command 3ME	pt	18.50
Haul Sorghum	bu	0.25	Facet 75DF	lb	50.00
Haul Soybeans	bu	0.27	Gramoxone Max	pt	5.46
Haul Wheat	bu	0.26	Grandstand R	qt	28.38
LA Haul Rice	cwt	0.30	Londax 60DF	oz	17.25
CUSTOM PLANT			Newpath 2SL	oz	3.47
LARice Air Plant NE	cwt	5.50	Ordram 15-G	lb	1.34
LARice Air Plant SW	cwt	5.60	Ordram 8-E	pt	9.42
CUSTOM SPRAY			Pendimax 3.3	pt	2.47
App by Air (2 gal)	appl	3.25	Permit 75DF	oz	18.50
App by Air (3 gal)	appl	4.75	Propanil 4E	qt	5.15
App by Air (5 gal)	appl	6.00	Prowl 3.3 EC	pt	3.44
App by Air (10 gal)	appl	8.00	Regiment 80WP	oz	4.38
LARice GPS Charge-SW	acre	0.35	Ricestar	pt	22.55
LARice GPS Charge_NE	acre	0.25	Roundup Original Max	oz	0.38
FERTILIZERS			Roundup Ultra MAX	pt	5.97
Amm Nitrate (34% N)	cwt	22.50	Roundup WeatherMax	oz	0.27
Amm Sulfate (21% N)	cwt	18.60	Stam 4E	qt	5.12
Fert 10-34-0	cwt	26.00	Stam 80 EDF	lb	8.04
Fert 41-0-0	cwt	23.50	Treflan HFP	pt	2.90
LA Nitrogen	lb	0.50	Valor WP	oz	4.23
LA Phosphate	lb	0.61	INSECTICIDES		
LA Potash	lb	0.34	Dimilin 2L	oz	2.01
Phosphorus(46% P2O5)	cwt	24.50	Karate Z	oz	3.40
Potash (60% K2O)	cwt	23.60	Methyl Parathion	pt	5.79
Sulfur	lb	0.26	Mustang Max	oz	1.60
UAN (32% N)	cwt	18.50	Penncap M	pt	6.71
UAN + Sulfur (28% N)	cwt	17.90	Sevin 80S	lb	7.40
Urea, Solid (46% N)	cwt	25.25	Sevin XLR Plus	qt	12.50
Zinc	lb	0.50	SEED/PLANTS		
FUNGICIDES			Rice Clearfield 161	lb	1.00
Benlate 50 WP	lb	15.95	Rice Seed (Levees)	lb	0.38
Gem 25 WG	oz	3.70	Rice Seed CF(Levees)	lb	0.90
Manzate 75 DF	lb	4.83	Rice Seed Conv.	lb	0.38
Manzate Flowable	pt	4.60	LA Hybrid Rice Seed	ac	160.00
Moncut 70 DF	lb	25.00	Sorghum Concept	lb	2.28
Quadris	oz	1.95	Sorghum NonConcept	lb	1.18
Rovral 4F	pt	14.20	Soybean Seed Private	lb	0.38
Stratego	pt	24.91	Soybean Seed RR	lb	1.19
Tilt 3.6 EC	oz	0.84	Wheat Seed Private	lb	0.32

Appendix Table 6. Tractors: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Louisiana 2015.

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	12.55	26.89	0.00	39.44	0.00	39.44
Combine (200-249 hp)	240hp	161,548	300	8	12.35	12.55	33.96	16.82	63.34	64.41	127.75
Combine (225-274 hp)	Track250hp	0	300	8	12.87	12.55	35.39	0.00	47.94	0.00	47.94
Combine (250-299 hp)	275hp	291,000	300	8	14.15	12.55	38.91	30.31	81.77	116.03	197.81
Combine (250-299hp)	Grass295hp	218,222	300	8	15.18	12.55	41.74	22.73	77.02	87.01	164.04
Combine (275-299 hp)	Track290hp	0	300	8	14.93	12.55	41.05	0.00	53.60	0.00	53.60
Combine (300-349 hp)	325hp	325,000	300	8	16.73	12.55	46.00	33.85	92.41	129.59	222.00
Combine (300-349hp)	Track320hp	0	300	8	16.47	12.55	45.29	0.00	57.84	0.00	57.84
Combine (350-379 hp)	370hp	344,000	300	8	19.04	12.55	52.36	35.83	100.74	137.17	237.91
Combine (350-379 hp)	Track365hp	0	300	8	18.79	12.55	51.67	0.00	64.22	0.00	64.22
Tractor(40-59hp)Cab	2WD 50	33,700	600	8	2.57	9.60	7.07	1.05	17.73	6.12	23.85
Tractor(40-59hp)Cab	MFWD 50	38,900	600	8	2.57	9.60	7.07	1.21	17.89	7.06	24.95
Tractor(40-59hp)RB	2WD 50	18,900	600	8	2.57	9.60	7.07	0.59	17.26	3.43	20.70
Tractor(40-59hp)RB	MFWD 50	26,200	600	8	2.57	9.60	7.07	0.81	17.49	4.75	22.25
Tractor(60-89hp)CAB	2WD 75	43,400	600	8	3.86	9.60	10.61	1.35	21.57	7.88	29.45
Tractor(60-89hp)CAB	MFWD 75	47,900	600	8	3.86	9.60	10.61	1.49	21.71	8.69	30.41
Tractor(60-89hp)RB	2WD 75	35,000	600	8	3.86	9.60	10.61	1.09	21.30	6.35	27.66
Tractor(60-89hp)RB	MFWD 75	39,600	600	8	3.86	9.60	10.61	1.23	21.45	7.19	28.64
Tractor(90-119hp)CB	2WD 105	63,100	600	8	5.40	9.60	14.86	1.97	26.43	11.45	37.89
Tractor(90-119hp)CB	MFWD 105	74,400	600	8	5.40	9.60	14.86	2.32	26.78	13.51	40.29
Tractor(90-119hp)RB	2WD 105	54,300	600	8	5.40	9.60	14.86	1.69	26.15	9.86	36.02
Tractor(90-119hp)RB	MFWD 105	56,900	600	8	5.40	9.60	14.86	1.77	26.24	10.33	36.57
Tractor(120-139hp)CB	2WD 130	96,300	600	8	6.69	9.60	18.40	3.00	31.01	17.48	48.49
Tractor(120-139hp)CB	MFWD 130	114,000	600	8	6.69	9.60	18.40	3.56	31.56	20.70	52.26
Tractor(140-159hp)CB	2WD 150	127,000	600	8	7.72	9.60	21.23	3.96	34.80	23.06	57.86
Tractor(140-159hp)CB	MFWD 150	143,000	600	8	7.72	9.60	21.23	4.46	35.30	25.97	61.27
Tractor(160-179hp)CB	2WD 170	156,000	600	8	8.75	9.60	24.06	4.87	38.53	29.71	68.25
Tractor(160-179hp)CB	MFWD 170	167,000	600	8	8.75	9.60	24.06	5.21	38.88	31.81	70.69
Tractor(160-199hp)CB	Track 180	142,710	600	8	9.26	9.60	25.47	4.45	39.53	27.18	66.72
Tractor(180-199hp)CB	2WD 190	143,000	600	8	9.77	9.60	26.89	4.46	40.96	27.24	68.20
Tractor(180-199hp)CB	MFWD 190	160,000	600	8	9.77	9.60	26.89	5.00	41.49	30.47	71.97
Tractor(200-249hp)CB	4WD 225	147,066	600	8	11.58	9.60	31.84	4.59	46.04	28.01	74.05
Tractor(200-249hp)CB	MFWD 225	226,000	600	8	11.58	9.60	31.84	7.06	48.51	43.05	91.56
Tractor(200-249hp)CB	Track 225	277,000	600	8	11.58	9.60	31.84	8.65	50.10	52.76	102.87
Tractor(250-349hp)CB	4WD 300	277,000	600	8	15.44	9.60	42.46	8.65	60.72	52.76	113.48
Tractor(250-349hp)CB	Track 300	281,000	600	8	15.44	9.60	42.46	8.78	60.84	53.52	114.37
Tractor(350-449hp)CB	4WD 400	313,000	600	8	20.58	9.60	56.61	9.78	76.00	59.62	135.62
Tractor(350-449hp)CB	Track 400	364,000	600	8	20.58	9.60	56.61	11.37	77.59	69.33	146.93
Tractor(450-uphp)CB	TRACK-475	279,879	600	8	24.44	9.60	67.23	8.74	85.58	53.31	138.89

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 2015.

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	2.51	0.68	0.43	3.62	2.00	5.62
LA Pickup Truck	1/2 ton	25,000	800	5	2.50	1.000	9.60	8.50	2.81	20.91	6.54	27.45
LA Rice Combine	25 ft	165,000	300	10	8.60	0.300	5.05	7.10	13.21	25.36	19.52	44.89
LA Rice Combine-2	25 ft	165,000	300	10	8.60	0.300	5.05	7.10	13.21	25.36	19.52	44.89
LARice Combine Med	20 ft	150,000	300	10	7.10	0.210	3.53	4.10	8.40	16.04	12.42	28.46
Levee Sprayer	27'	30,768	350	8	2.57	0.038	0.65	0.27	0.06	0.98	0.40	1.39
Sprayer(300-450Gal)	60'	103,000	350	8	5.66	0.017	0.30	0.27	0.09	0.67	0.62	1.29
Sprayer(300-450Gal)	80'	103,000	350	8	5.66	0.013	0.22	0.20	0.07	0.50	0.46	0.96
Sprayer(600-750Gal)	60'	174,000	350	8	10.29	0.017	0.30	0.49	0.16	0.96	1.04	2.01
Sprayer(600-825Gal)	80'	174,000	350	8	10.29	0.013	0.22	0.37	0.12	0.72	0.78	1.50
Sprayer(600-825Gal)	90'	254,000	350	8	10.29	0.011	0.20	0.33	0.15	0.69	1.02	1.71
Sprayer(1000-1400Gal	90'	290,000	350	8	14.15	0.014	0.24	0.54	0.21	1.00	1.39	2.40
Sprayer(1200PlusGal)	120'	318,000	350	8	15.44	0.008	0.15	0.37	0.15	0.67	0.95	1.63

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2015.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------$/acre----------							
Blade-Box	6'	2WD 130	1,090	200	20	0.020	0.19	0.36	0.01	0.06	0.63	0.00	0.34	0.98
Blade-Box	10'	2WD 50	5,060	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	7,550	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	1,150	200	20	1.176	11.29	8.32	0.64	0.69	20.95	0.48	4.03	25.48
Blade-Scraper	10'	2WD 50	3,310	200	20	1.176	11.29	8.32	1.84	0.69	22.16	1.40	4.03	27.60
Blade-Scraper	14'	2WD 50	6,730	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	1.10	2.12	0.93	0.34	4.52	1.56	2.02	8.10
Chisel Plow(Folding)	24'	MFWD 190	37,200	150	12	0.076	0.73	2.05	1.02	0.38	4.19	1.71	2.33	8.24
Chisel Plow(Folding)	32'	MFWD 225	48,000	150	12	0.057	0.55	1.83	1.00	0.40	3.80	1.66	2.48	7.95
Chisel Plow(Folding)	42'	MFWD 225	55,200	150	12	0.044	0.42	1.40	0.87	0.31	3.01	1.46	1.89	6.37
Chisel Plow(Rigid)	15'	2WD 130	11,900	150	12	0.123	1.18	2.26	0.52	0.37	4.35	0.88	2.15	7.38
Chisel Plow(Rigid)	24'	MFWD 190	13,100	150	12	0.077	0.73	2.07	0.36	0.38	3.56	0.60	2.34	6.51
Chisel-Harrow	21 shank	2WD 190	12,500	150	12	0.088	0.84	2.36	0.39	0.39	4.00	0.66	2.39	7.06
Chisel-Harrow	27 shank	MFWD 225	14,100	150	12	0.068	0.65	2.18	0.34	0.48	3.67	0.58	2.94	7.19
Colter-Chisel-Harrow	21 shank	2WD 190	19,200	150	12	0.088	0.84	2.36	0.61	0.39	4.21	1.01	2.39	7.63
Colter-Chisel-Harrow	27 shank	MFWD 225	24,000	150	12	0.068	0.65	2.18	0.59	0.48	3.91	0.98	2.94	7.85
Corn Grain Cart 8R30	500 bu	MFWD 190	24,700	200	12	0.031	0.30	0.85	0.21	0.15	1.53	0.35	0.97	2.86
Corn Grain Cart 8R40	700bu	MFWD 190	34,200	200	12	0.025	0.24	0.67	0.23	0.12	1.26	0.38	0.76	2.41
Cult & Post	4R-38	2WD 105	17,800	150	10	0.173	2.44	2.57	0.82	0.29	6.13	2.09	1.70	9.94
Cult & Post	6R-30	MFWD 150	21,900	150	10	0.146	2.07	3.11	0.85	0.65	6.69	2.18	3.80	12.69
Cult & Post	6R-38	MFWD 150	21,700	150	10	0.115	1.63	2.45	0.67	0.51	5.28	1.70	3.00	9.99
Cult & Post	8R-30	MFWD 190	25,600	150	10	0.110	1.55	2.95	0.75	0.55	5.81	1.91	3.35	11.08
Cult & Post	8R-38	MFWD 190	27,800	150	10	0.086	1.22	2.33	0.64	0.43	4.64	1.64	2.65	8.94
Cult & Post	8R-38 2x1	MFWD 190	37,100	150	10	0.057	0.81	1.55	0.57	0.28	3.23	1.46	1.76	6.46
Cult & Post	10R-30	MFWD 225	34,100	150	10	0.088	1.24	2.80	0.80	0.62	5.46	2.03	3.78	11.29
Cult & Post	10R-38	MFWD 225	0	150	10	0.065	0.91	2.07	0.00	0.45	3.45	0.00	2.80	6.25
Cult & Post	12R-30	MFWD 225	42,200	150	10	0.073	1.03	2.33	0.82	0.51	4.71	2.10	3.15	9.97
Cult & Post	12R-38	MFWD 225	44,700	150	10	0.057	0.81	1.84	0.69	0.40	3.76	1.75	2.49	8.01
Cultipacker	12'	2WD 130	4,846	300	12	0.124	1.19	2.28	0.14	0.37	4.00	0.18	2.17	6.36
Cultipacker	20'	MFWD 150	15,200	300	12	0.074	0.71	1.58	0.26	0.33	2.90	0.35	1.93	5.19
Cultivate	4R-38	2WD 105	11,900	150	10	0.162	1.55	2.41	0.51	0.27	4.76	1.31	1.60	7.67
Cultivate	6R-30	MFWD 150	15,900	150	10	0.137	1.32	2.91	0.58	0.61	5.43	1.48	3.57	10.49
Cultivate	6R-38	MFWD 150	15,700	150	10	0.108	1.04	2.30	0.45	0.48	4.28	1.15	2.81	8.26
Cultivate	8R-30	MFWD 190	20,600	150	10	0.103	0.99	2.77	0.56	0.51	4.84	1.44	3.14	9.43
Cultivate	8R-38	MFWD 190	21,800	150	10	0.081	0.78	2.19	0.47	0.40	3.85	1.20	2.48	7.54
Cultivate	8R-38 2x1	MFWD 190	29,700	150	10	0.054	0.52	1.45	0.42	0.27	2.68	1.09	1.65	5.43
Cultivate	10R-30	MFWD 225	28,200	150	10	0.082	0.79	2.62	0.62	0.58	4.62	1.58	3.55	9.75
Cultivate	10R-38	MFWD 225	0	150	10	0.065	0.62	2.07	0.00	0.45	3.15	0.00	2.80	5.95
Cultivate	12R-30	MFWD 225	36,300	150	10	0.068	0.66	2.18	0.66	0.48	4.00	1.69	2.95	8.65
Cultivate	12R-38	MFWD 225	37,400	150	10	0.054	0.52	1.72	0.54	0.38	3.17	1.37	2.33	6.89
Disk & Incorporate	14'	2WD 130	27,800	200	10	0.149	2.11	2.75	1.24	0.45	6.56	2.12	2.61	11.30
Disk & Incorporate	24'	MFWD 190	56,800	200	10	0.087	1.23	2.34	1.48	0.43	5.50	2.52	2.66	10.69
Disk & Incorporate	32'	4WD 225	56,800	200	10	0.068	0.97	2.18	1.17	0.31	4.64	1.99	1.92	8.56
Disk & Incorporate	42'	MFWD 225	30,542	200	10	0.049	0.69	1.56	0.44	0.34	3.05	0.76	2.11	5.93
Disk Bed (Hipper)	4R-38	MFWD 150	7,820	160	10	0.147	1.41	3.13	0.28	0.65	5.50	0.73	3.83	10.07
Disk Bed (Hipper)	6R-30	MFWD 170	12,800	160	10	0.125	1.20	3.00	0.40	0.65	5.26	1.01	3.97	10.25
Disk Bed (Hipper)	6R-38	MFWD 170	13,500	160	10	0.098	0.94	2.37	0.33	0.51	4.16	0.84	3.13	8.15
Disk Bed (Hipper)	8R-30	MFWD 190	17,400	160	10	0.093	0.90	2.52	0.40	0.46	4.29	1.03	2.85	8.19
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	31,900	160	10	0.049	0.47	1.32	0.39	0.24	2.44	1.00	1.50	4.94
Disk Bed (Hipper)	10R-30	MFWD 225	19,900	160	10	0.075	0.72	2.38	0.37	0.52	4.01	0.95	3.22	8.19
Disk Bed (Hipper)	10R-38	MFWD 225	23,100	160	10	0.059	0.56	1.88	0.34	0.41	3.21	0.87	2.54	6.62
Disk Bed (Hipper)	12R-30	MFWD 225	28,100	160	10	0.062	0.60	1.99	0.43	0.44	3.47	1.11	2.69	7.28
Disk Bed (Hipper)	12R-38	MFWD 225	31,900	160	10	0.049	0.47	1.57	0.39	0.34	2.78	1.00	2.12	5.91
Disk Bed (Hipper)Fld	8R-38	MFWD 190	21,300	160	10	0.074	0.71	1.99	0.39	0.37	3.46	1.00	2.25	6.73
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	19,800	160	10	0.074	0.71	1.99	0.36	0.37	3.44	0.93	2.25	6.63
Disk Bed w/roller	8R-30	2WD 190	22,100	160	10	0.093	0.90	2.52	0.51	0.41	4.35	1.32	2.55	8.23
Disk Bed w/roller	12R-30	MFWD 225	47,200	160	10	0.062	0.60	1.99	0.73	0.44	3.76	1.87	2.69	8.34
Disk Harrow	14'	2WD 130	21,800	180	10	0.140	1.34	2.58	0.84	0.42	5.20	1.73	2.45	9.38
Disk Harrow	24'	MFWD 190	42,600	180	10	0.081	0.78	2.20	0.96	0.40	4.36	1.97	2.49	8.83
Disk Harrow	28'	MFWD 225	45,200	180	10	0.070	0.67	2.23	0.88	0.49	4.28	1.79	3.02	9.10
Disk Harrow	32'	MFWD 225	50,800	180	10	0.061	0.58	1.95	0.86	0.43	3.84	1.76	2.64	8.25
Disk Harrow	42'	MFWD 225	99,500	180	10	0.046	0.44	1.48	1.29	0.33	3.56	2.63	2.01	8.21
Ditcher		2WD 130	4,910	200	10	0.020	0.19	0.36	0.03	0.06	0.65	0.05	0.34	1.05
Ditcher (1m/160a)		2WD 130	4,910	200	10	0.009	0.09	0.17	0.01	0.02	0.30	0.02	0.16	0.49
Fert Appl (Liquid)	4R-38	MFWD 150	13,500	150	8	0.154	2.18	3.28	1.39	0.69	7.55	1.51	4.01	13.08
Fert Appl (Liquid)	6R-30	MFWD 170	16,300	150	8	0.130	1.85	3.15	1.42	0.68	7.10	1.55	4.16	12.82
Fert Appl (Liquid)	6R-38	MFWD 170	14,500	150	8	0.103	1.46	2.48	0.99	0.53	5.48	1.08	3.28	9.86
Fert Appl (Liquid)	8R-30	MFWD 190	15,200	150	8	0.098	1.38	2.64	0.99	0.49	5.51	1.08	2.99	9.59
Fert Appl (Liquid)	8R-38	MFWD 190	17,300	150	8	0.077	1.09	2.08	0.89	0.38	4.46	0.97	2.36	7.81
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	16,900	150	8	0.051	0.73	1.39	0.58	0.25	2.96	0.63	1.57	5.17
Fert Appl (Liquid)	10R-30	MFWD 225	18,600	150	8	0.078	1.11	2.50	0.97	0.55	5.14	1.06	3.38	9.58
Fert Appl (Liquid)	10R-38	MFWD 225	20,300	150	8	0.061	0.87	1.97	0.83	0.43	4.12	0.91	2.66	7.70
Fert Appl (Liquid)	12R-30	MFWD 225	19,400	150	8	0.078	1.11	2.50	1.01	0.55	5.18	1.10	3.38	9.67
Fert Appl (Liquid)	12R-38	MFWD 225	17,400	150	8	0.051	0.73	1.64	0.59	0.36	3.34	0.65	2.22	6.22
Field Cult & Inc	12'	2WD 150	13,605	100	10	0.132	1.86	2.80	0.44	0.52	5.64	1.83	3.04	10.53
Field Cult & Inc	24'	MFWD 170	24,679	100	10	0.066	0.93	1.59	0.40	0.34	3.27	1.66	2.10	7.04
Field Cult & Inc	32'	MFWD 190	33,211	100	10	0.049	0.70	1.33	0.41	0.24	2.69	1.67	1.51	5.88
Field Cult & Inc	42'	MFWD 225	58,700	100	10	0.037	0.53	1.20	0.55	0.26	2.55	2.26	1.62	6.44

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, (Continued) and direct and fixed cost per acre, Louisiana 2015.

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----------							
Field Cultivate	12'	2WD 150	16,600	100	10	0.124	1.19	2.64	0.51	0.49	4.84	2.10	2.86	9.82
Field Cultivate	24'	MFWD 170	26,000	100	10	0.062	0.59	1.49	0.40	0.32	2.82	1.64	1.97	6.45
Field Cultivate	32'	MFWD 190	39,500	100	10	0.046	0.44	1.25	0.46	0.23	2.39	1.87	1.42	5.69
Field Cultivate	42'	MFWD 225	51,500	100	10	0.035	0.34	1.13	0.45	0.25	2.18	1.86	1.53	5.57
Field Cultivate	50'	MFWD 225	61,300	100	10	0.029	0.28	0.95	0.45	0.21	1.90	1.86	1.28	5.05
Gate Installer		2WD 130	2,960	10	10	0.020	0.37	0.36	0.17	0.06	0.97	0.57	0.34	1.90
Grain Drill	12'	2WD 130	22,700	150	8	0.157	2.93	2.89	1.33	0.47	7.63	2.46	2.74	12.84
Grain Drill	15'	MFWD 150	30,500	150	8	0.125	2.34	2.66	1.43	0.56	7.01	2.64	3.26	12.92
Grain Drill	20'	MFWD 170	37,600	150	8	0.094	1.75	2.26	1.32	0.49	5.84	2.44	2.99	11.29
Grain Drill	24'	MFWD 190	56,700	150	8	0.078	1.46	2.11	1.67	0.39	5.64	3.07	2.39	11.11
Grain Drill	30'	MFWD 225	61,300	150	8	0.062	1.17	2.00	1.44	0.44	5.06	2.66	2.70	10.43
Grain Drill & Pre	12'	2WD 130	28,700	150	8	0.169	3.15	3.11	1.82	0.50	8.60	3.35	2.95	14.91
Grain Drill & Pre	15'	MFWD 150	36,500	150	8	0.135	2.52	2.87	1.85	0.60	7.85	3.41	3.51	14.78
Grain Drill & Pre	20'	MFWD 170	43,500	150	8	0.101	1.89	2.44	1.65	0.52	6.52	3.05	3.23	12.80
Grain Drill & Pre	24'	MFWD 190	59,500	150	8	0.084	1.57	2.27	1.88	0.42	6.16	3.47	2.57	12.22
Grain Drill & Pre	30'	MFWD 225	68,700	150	8	0.067	1.26	2.15	1.74	0.47	5.64	3.21	2.91	11.76
Harrow	13'	2WD 130	4,360	200	10	0.119	1.14	2.19	0.18	0.35	3.88	0.26	2.08	6.24
Harrow	21'	2WD 150	5,400	200	10	0.073	0.70	1.57	0.13	0.29	2.71	0.20	1.70	4.62
Harrow	40'	MFWD 190	6,700	200	10	0.038	0.37	1.04	0.09	0.19	1.70	0.13	1.18	3.01
Harrow	47'	MFWD 190	21,000	200	10	0.033	0.31	0.88	0.24	0.16	1.61	0.35	1.00	2.97
Header - Corn	4R-38	240hp	25,147	300	8	0.201	2.52	6.83	1.26	3.38	14.00	1.83	12.95	28.79
Header - Corn	6R30"	240hp	43,500	300	8	0.170	2.13	5.78	1.85	2.86	12.63	2.69	10.96	26.29
Header - Corn	6R38"	240hp	44,700	300	8	0.134	1.68	4.56	1.50	2.26	10.01	2.18	8.65	20.85
Header - Corn	8R-30	240hp	56,200	300	8	0.127	1.60	4.33	1.79	2.14	9.88	2.60	8.22	20.71
Header - Corn	8R-38	275hp	57,600	300	8	0.100	1.26	3.92	1.45	3.06	9.70	2.11	11.71	23.53
Header - Corn	12R-20	275hp	76,400	300	8	0.127	1.60	4.96	2.43	3.87	12.88	3.54	14.81	31.24
Header - Corn	12R-30	275hp	87,700	300	8	0.085	1.06	3.31	1.86	2.58	8.82	2.71	9.87	21.42
Header - Rice (CL)	22' Rigid	240hp	21,887	300	8	0.288	3.62	9.79	1.57	4.85	19.84	2.29	18.58	40.72
Header - Rice (CL)	25' Rigid	240hp	51,600	300	8	0.253	3.18	8.62	3.27	4.27	19.35	4.75	16.35	40.46
Header - Rice (CL)	30' Rigid	275hp	59,000	300	8	0.211	2.65	8.23	3.12	6.41	20.41	4.53	24.54	49.49
Header - Rice (SL)	22' Rigid	240hp	21,887	300	8	0.250	3.13	8.49	1.36	4.20	17.20	1.98	16.10	35.29
Header - Rice (SL)	25' Rigid	240hp	51,600	300	8	0.220	2.76	7.47	2.83	3.70	16.77	4.12	14.17	35.06
Header - Rice (SL)	30' Rigid	275hp	59,000	300	8	0.183	2.30	7.13	2.70	5.55	17.69	3.92	21.27	42.89
Header - Soybean	15' Flex	240hp	0	300	8	0.170	2.13	5.78	0.00	2.86	10.78	0.00	10.96	21.75
Header - Soybean	18' Flex	240hp	20,309	300	8	0.141	1.78	4.81	0.72	2.38	9.70	1.04	9.14	19.89
Header - Soybean	22' Flex	240hp	28,900	300	8	0.116	1.45	3.94	0.83	1.95	8.19	1.21	7.47	16.89
Header - Soybean	25' Flex	275hp	32,700	300	8	0.102	1.28	3.97	0.83	3.09	9.19	1.21	11.85	22.25
Header - Soybean	30' Flex	275hp	31,200	300	8	0.085	1.06	3.31	0.66	2.58	7.62	0.96	9.87	18.47
Header Wheat/Sorghum	18' Rigid	240hp	19,069	300	8	0.141	1.78	4.81	0.67	2.38	9.66	0.98	9.14	19.78
Header Wheat/Sorghum	22' Rigid	240hp	19,500	300	8	0.116	1.45	3.94	0.56	1.95	7.91	0.82	7.47	16.22
Header Wheat/Sorghum	25' Rigid	240hp	27,300	300	8	0.102	1.28	3.46	0.69	1.71	7.16	1.01	6.58	14.76
Header Wheat/Sorghum	30' Rigid	275hp	30,300	300	8	0.085	1.06	3.31	0.64	2.58	7.60	0.93	9.87	18.42
Heavy Disk	14'	MFWD 150	21,900	180	10	0.145	1.40	3.09	0.88	0.65	6.04	1.81	3.79	11.64
Heavy Disk	21'	MFWD 170	34,500	180	10	0.097	0.93	2.34	0.93	0.50	4.71	1.90	3.09	9.71
Heavy Disk	27'	MFWD 190	41,400	180	10	0.075	0.72	2.03	0.87	0.37	4.01	1.77	2.30	8.09
LA Boom Sprayer	30 ft	MFWD 150	3,000	150	10	0.059	0.57	1.27	0.13	0.26	2.24	0.14	1.55	3.94
Land Plane	40'x10'	MFWD 190	6,020	200	10	0.242	2.32	6.52	0.29	1.21	10.36	0.74	7.39	18.50
Land Plane	50'x16'	MFWD 190	12,300	200	10	0.151	1.45	4.07	0.37	0.75	6.66	0.95	4.62	12.23
LARice Backhoe-Rrmnt	2 ft	MFWD 150	6,000	100	10	0.500	4.80	10.61	2.64	2.23	20.29	3.54	12.98	36.82
LARice Land Level	13 ft	MFWD 150	7,500	200	15	0.190	1.82	4.03	0.15	0.84	6.86	0.62	4.93	12.43
LARice Levee Plow	8 ft	4WD 300	4,600	150	10	0.050	0.48	2.12	0.07	0.43	3.11	0.18	2.63	5.93
LARice Water Level	24 ft	4WD 300	3,500	100	15	0.149	1.43	6.36	0.23	1.29	9.33	0.46	7.91	17.70
Levee Splitter (1/80	2 blade	2WD 150	3,280	50	10	0.004	0.04	0.08	0.00	0.01	0.14	0.02	0.09	0.27
Lo-Till & Bed	4R-38	MFWD 190	5,100	150	12	0.145	1.39	3.91	0.26	0.72	6.30	0.46	4.43	11.20
Middle Buster	6R-38	MFWD 150	12,800	160	8	0.120	1.15	2.55	0.36	0.53	4.60	1.09	3.12	8.82
Middle Buster	8R-30	MFWD 190	20,800	160	8	0.114	1.09	3.07	0.55	0.57	5.29	1.69	3.48	10.47
Middle Buster	8R-38	MFWD 190	18,100	160	8	0.090	0.86	2.42	0.38	0.45	4.12	1.16	2.75	8.04
Middle Buster	8R-40 2x1	MFWD 190	29,200	160	8	0.060	0.57	1.61	0.41	0.30	2.90	1.25	1.83	5.99
Middle Buster	10R-30	MFWD 225	29,300	160	8	0.091	0.87	2.90	0.62	0.64	5.05	1.91	3.93	10.90
Middle Buster	10R-38	MFWD 225	32,100	160	8	0.072	0.69	2.29	0.54	0.50	4.03	1.65	3.10	8.79
Middle Buster	12R-38	MFWD 225	29,200	160	8	0.060	0.57	1.91	0.41	0.42	3.32	1.25	2.58	7.16
Mulcher Plow	30'	MFWD 225	0	100	10	0.068	0.65	2.16	0.00	0.48	3.30	0.00	2.93	6.23
NT Grain Drill	12'	2WD 130	42,000	150	8	0.163	3.05	3.01	2.57	0.49	9.13	4.74	2.86	16.75
NT Grain Drill	15'	MFWD 150	48,800	150	8	0.130	2.44	2.78	2.39	0.58	8.20	4.41	3.40	16.02
NT Grain Drill	20'	MFWD 170	64,400	150	8	0.098	1.83	2.36	2.37	0.51	7.08	4.36	3.12	14.57
NT Grain Drill	24'	MFWD 190	79,200	150	8	0.081	1.52	2.20	2.43	0.40	6.56	4.47	2.49	13.54
NT Grain Drill	30'	MFWD 225	90,600	150	8	0.065	1.22	2.08	2.22	0.46	5.99	4.09	2.81	12.91
NT Grain Drill & Pre	12'	2WD 130	39,500	150	8	0.176	3.28	3.24	2.61	0.53	9.67	4.81	3.08	17.56
NT Grain Drill & Pre	15'	MFWD 150	54,800	150	8	0.141	2.63	2.99	2.89	0.63	9.15	5.33	3.66	18.15
NT Grain Drill & Pre	20'	MFWD 170	70,400	150	8	0.105	1.97	2.54	2.79	0.55	7.86	5.14	3.36	16.37
NT Grain Drill & Pre	24'	MFWD 190	85,200	150	8	0.088	1.64	2.37	2.81	0.44	7.27	5.18	2.68	15.14
NT Grain Drill & Pre	30'	MFWD 225	98,000	150	8	0.070	1.31	2.24	2.59	0.49	6.65	4.77	3.03	14.46
NT Plant&Pre-Folding	8R-38	MFWD 170	48,000	150	8	0.083	1.56	2.01	1.50	0.43	5.51	2.77	2.65	10.94
NT Plant-Folding	8R-38	MFWD 170	42,100	150	8	0.077	1.44	1.86	1.22	0.40	4.94	2.25	2.46	9.67
NT Plant-Folding	8R-38 2x1	MFWD 170	73,500	150	8	0.051	0.96	1.24	1.42	0.26	3.90	2.62	1.64	8.17

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2015. (Continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------	----------	----------	----------	$/acre	----------	----------	----------
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	1.46	2.11	1.53	0.39	5.50	2.82	2.39	10.72
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.15	1.66	1.10	0.30	4.23	2.03	1.88	8.16
NT Plant-Folding	12R-20	MFWD 190	64,200	150	8	0.098	1.83	2.64	2.36	0.49	7.32	4.35	2.99	14.67
NT Plant-Folding	12R-30	MFWD 190	64,600	150	8	0.065	1.22	1.76	1.58	0.32	4.89	2.92	1.99	9.81
NT Plant-Folding	12R-38	MFWD 190	63,500	150	8	0.051	0.96	1.39	1.23	0.25	3.84	2.26	1.57	7.68
NT Plant-Folding	16R-30	MFWD 190	93,200	150	8	0.049	0.91	1.32	1.71	0.24	4.19	3.16	1.49	8.85
NT Plant-Folding	23R-15	MFWD 190	122,000	150	8	0.068	1.27	1.83	3.12	0.34	6.56	5.74	2.07	14.39
NT Plant-Folding	24R-20	MFWD 190	136,000	150	8	0.049	0.91	1.32	2.50	0.24	4.98	4.61	1.49	11.09
NT Plant-Folding	24R-30	MFWD 190	151,000	150	8	0.032	0.61	0.88	1.85	0.16	3.50	3.41	0.99	7.92
NT Plant-Rigid	4R-30	2WD 130	20,600	150	8	0.196	3.66	3.61	1.51	0.59	9.38	2.79	3.43	15.61
NT Plant-Rigid	4R-38	2WD 130	22,900	150	8	0.154	2.88	2.84	1.32	0.46	7.52	2.44	2.70	12.67
NT Plant-Rigid	6R-30	MFWD 150	31,000	150	8	0.130	2.44	2.78	1.52	0.58	7.33	2.80	3.40	13.53
NT Plant-Rigid	6R-38	MFWD 150	27,100	150	8	0.103	1.92	2.19	1.05	0.46	5.63	1.93	2.68	10.25
NT Plant-Rigid	8R-22	MFWD 170	21,142	150	8	0.133	2.49	3.21	1.05	0.69	7.46	1.95	4.25	13.66
NT Plant-Rigid	8R-30	MFWD 170	36,300	150	8	0.098	1.83	2.36	1.33	0.51	6.04	2.46	3.12	11.63
NT Plant-Rigid	8R-38	MFWD 170	33,800	150	8	0.077	1.44	1.86	0.98	0.40	4.70	1.81	2.46	8.98
NT Plant-Rigid	10R-30	MFWD 190	40,300	150	8	0.078	1.46	2.11	1.18	0.39	5.15	2.18	2.39	9.74
NT Plant-Rigid	12R-20	MFWD 190	46,200	150	8	0.098	1.83	2.64	1.70	0.49	6.66	3.13	2.99	12.79
NT Plant-Rigid	12R-30	MFWD 190	56,800	150	8	0.065	1.22	1.76	1.39	0.32	4.70	2.56	1.99	9.26
Paratill & Bed	4R-30	MFWD 225	16,500	150	12	0.204	1.96	6.50	1.21	1.44	11.12	2.02	8.79	21.95
Paratill & Bed	4R-38	MFWD 225	15,200	150	12	0.160	1.54	5.12	0.88	1.13	8.68	1.47	6.92	17.08
Paratill & Bed	6R-30	MFWD 225	22,600	150	12	0.136	1.30	4.33	1.11	0.96	7.71	1.85	5.86	15.43
Paratill & Bed	6R-38	MFWD 225	20,300	150	12	0.107	1.03	3.42	0.78	0.75	6.00	1.31	4.62	11.94
Paratill & Bed	8R-30	MFWD 225	28,100	150	12	0.102	0.98	3.25	1.03	0.72	5.99	1.72	4.39	12.11
Paratill & Bed	8R382X1	MFWD 225	69,100	150	12	0.053	0.51	1.71	1.34	0.37	3.95	2.23	2.31	8.50
Paratill & Bed Fold.	8R-38	MFWD 225	54,400	150	12	0.080	0.77	2.57	1.58	0.57	5.50	2.64	3.47	11.62
Paratill & Bed Fold.	12R-38	MFWD 225	69,100	150	12	0.053	0.51	1.71	1.34	0.37	3.95	2.23	2.31	8.50
Paratill & Bed Rigid	8R-38	MFWD 225	24,500	150	12	0.080	0.77	2.57	0.71	0.57	4.63	1.19	3.47	9.29
Pipe Drag	30'	2WD 150	500	100	12	0.051	0.49	1.09	0.00	0.20	1.81	0.02	1.19	3.02
Pipe Spool 160ac	1/4m roll	2WD 130	3,380	15	12	0.003	0.08	0.05	0.00	0.00	0.15	0.06	0.05	0.27
Pipe Trailer 1m/160a	30'	2WD 130	1,330	100	15	0.003	0.17	0.06	0.00	0.01	0.25	0.00	0.06	0.32
Plant & Pre Folding	8R-38	MFWD 170	45,900	150	8	0.080	1.49	1.93	1.38	0.41	5.22	2.54	2.55	10.32
Plant & Pre Folding	8R38 2x1	MFWD 170	77,600	150	8	0.053	0.99	1.28	1.55	0.27	4.11	2.86	1.70	8.68
Plant & Pre Folding	10R-30	MFWD 190	52,920	150	8	0.081	1.51	2.18	1.61	0.40	5.71	2.96	2.47	11.16
Plant & Pre Folding	10R-38	MFWD 190	48,258	150	8	0.064	1.19	1.72	1.15	0.32	4.39	2.13	1.95	8.48
Plant & Pre Folding	12R-20	MFWD 190	66,900	150	8	0.101	1.89	2.73	2.54	0.50	7.68	4.69	3.09	15.46
Plant & Pre Folding	12R-30	MFWD 190	68,700	150	8	0.067	1.26	1.82	1.74	0.33	5.16	3.21	2.06	10.44
Plant & Pre Folding	12R-38	MFWD 190	77,600	150	8	0.053	0.99	1.43	1.55	0.26	4.25	2.86	1.62	8.75
Plant & Pre Folding	16R-30	MFWD 190	96,200	150	8	0.050	0.94	1.36	1.83	0.25	4.39	3.37	1.54	9.31
Plant & Pre Folding	23R-15	MFWD 190	123,000	150	8	0.070	1.31	1.89	3.25	0.35	6.81	5.99	2.14	14.95
Plant & Pre Folding	24R-20	MFWD 190	137,000	150	8	0.050	0.94	1.36	2.60	0.25	5.17	4.80	1.54	11.52
Plant & Pre Folding	24R-30	MFWD 190	182,000	150	8	0.033	0.63	0.91	2.30	0.16	4.02	4.25	1.03	9.30
Plant & Pre Rigid	4R-30	2WD 130	25,500	150	8	0.203	3.78	3.73	1.94	0.61	10.07	3.57	3.55	17.20
Plant & Pre Rigid	4R-38	2WD 130	27,700	150	8	0.159	2.98	2.94	1.66	0.48	8.06	3.06	2.79	13.92
Plant & Pre Rigid	6R-30	MFWD 150	33,100	150	8	0.135	2.52	2.87	1.68	0.60	7.68	3.09	3.51	14.29
Plant & Pre Rigid	6R-38	MFWD 150	31,400	150	8	0.106	1.99	2.26	1.25	0.47	5.99	2.31	2.77	11.09
Plant & Pre Rigid	8R-22	MFWD 170	23,550	150	8	0.138	2.57	3.32	1.22	0.72	7.84	2.24	4.39	14.48
Plant & Pre Rigid	8R-30	MFWD 170	40,100	150	8	0.101	1.89	2.44	1.52	0.52	6.39	2.81	3.23	12.43
Plant & Pre Rigid	8R-38	MFWD 170	37,600	150	8	0.080	1.49	1.93	1.13	0.41	4.97	2.08	2.55	9.61
Plant & Pre Rigid	10R-30	MFWD 190	43,600	150	8	0.081	1.51	2.18	1.32	0.40	5.43	2.44	2.47	10.35
Plant & Pre Rigid	12R-20	MFWD 190	48,900	150	8	0.101	1.89	2.73	1.86	0.50	6.99	3.43	3.09	13.52
Plant & Pre Rigid	12R-30	MFWD 190	61,400	150	8	0.067	1.26	1.82	1.55	0.33	4.98	2.87	2.06	9.91
Plant - Folding	8R-38	MFWD 170	39,900	150	8	0.074	1.39	1.79	1.11	0.38	4.68	2.05	2.37	9.11
Plant - Folding	8R-38 2x1	MFWD 170	70,200	150	8	0.049	0.92	1.19	1.30	0.25	3.68	2.40	1.57	7.67
Plant - Folding	10R-30	MFWD 190	47,426	150	8	0.075	1.40	2.02	1.34	0.37	5.15	2.47	2.29	9.92
Plant - Folding	10R-38	MFWD 190	43,011	150	8	0.059	1.11	1.59	0.95	0.29	3.96	1.76	1.81	7.54
Plant - Folding	12R-20	MFWD 190	61,000	150	8	0.094	1.75	2.53	2.15	0.47	6.92	3.97	2.87	13.77
Plant - Folding	12R-30	MFWD 190	61,400	150	8	0.062	1.17	1.69	1.44	0.31	4.62	2.66	1.91	9.20
Plant - Folding	12R-38	MFWD 190	70,200	150	8	0.049	0.92	1.33	1.30	0.24	3.81	2.40	1.51	7.73
Plant - Folding	16R-30	MFWD 190	88,900	150	8	0.047	0.87	1.26	1.57	0.23	3.95	2.89	1.43	8.28
Plant - Folding	23R-15	MFWD 190	116,000	150	8	0.065	1.22	1.76	2.84	0.32	6.15	5.24	1.99	13.40
Plant - Folding	24R-20	MFWD 190	129,000	150	8	0.047	0.87	1.26	2.28	0.23	4.66	4.20	1.43	10.30
Plant - Folding	24R-30	MFWD 190	172,000	150	8	0.031	0.58	0.84	2.02	0.15	3.61	3.73	0.95	8.30
Plant - Rigid	4R-30	2WD 130	19,600	150	8	0.188	3.51	3.46	1.38	0.56	8.94	2.55	3.29	14.79
Plant - Rigid	4R-38	2WD 130	21,800	150	8	0.148	2.77	2.73	1.21	0.44	7.16	2.23	2.59	11.99
Plant - Rigid	6R-30	MFWD 150	29,300	150	8	0.125	2.34	2.66	1.38	0.56	6.95	2.54	3.26	12.76
Plant - Rigid	6R-38	MFWD 150	25,500	150	8	0.099	1.85	2.10	0.94	0.44	5.35	1.74	2.57	9.67
Plant - Rigid	8R-22	MFWD 170	18,473	150	8	0.127	2.38	3.07	0.88	0.66	7.01	1.63	4.06	12.72
Plant - Rigid	8R-30	MFWD 170	34,100	150	8	0.094	1.75	2.26	1.20	0.49	5.72	2.22	2.99	10.94
Plant - Rigid	8R-38	MFWD 170	31,700	150	8	0.074	1.39	1.79	0.88	0.38	4.45	1.63	2.37	8.46
Plant - Rigid	10R-30	MFWD 190	37,600	150	8	0.075	1.40	2.02	1.06	0.37	4.87	1.95	2.29	9.13
Plant - Rigid	12R-20	MFWD 190	42,900	150	8	0.094	1.75	2.53	1.51	0.47	6.28	2.79	2.87	11.95
Plant - Rigid	12R-30	MFWD 190	54,100	150	8	0.062	1.17	1.69	1.27	0.31	4.45	2.34	1.91	8.71
Plant - Rigid	15R-15	2WD 150	51,400	150	8	0.094	1.75	2.00	1.81	0.37	5.95	3.34	2.17	11.47
Pull Levee (1m/80a))	4 blade	2WD 50	3,180	100	10	0.003	0.03	0.02	0.00	0.00	0.06	0.01	0.01	0.08
Rice Grain Cart	500 Bu	MFWD 190	24,700	200	12	0.057	0.54	1.53	0.38	0.28	2.75	0.63	1.74	5.12
Rice Grain Cart	700 Bu	MFWD 190	34,200	200	12	0.063	0.60	1.70	0.58	0.31	3.22	0.97	1.93	6.13
Roller	32'	MFWD 170	17,500	100	12	0.046	0.44	1.12	0.13	0.24	1.95	0.73	1.48	4.17

Appendix Table 8. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2015. (Continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	R&M Imp.	R&M P.U.	Total Direct	Fixed Imp.	Fixed P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Rotary Cutter	7'	MFWD 130	4,380	185	10	0.168	1.61	3.09	0.59	0.59	5.91	0.40	3.48	9.80
Rotary Cutter	12'	2WD 150	12,600	185	10	0.098	0.94	2.08	1.00	0.38	4.42	0.68	2.26	7.36
Rotary Cutter	15'	MFWD 150	19,000	185	10	0.078	0.75	1.66	1.21	0.35	3.98	0.82	2.04	6.84
Row Cond & Inc	13'	2WD 130	13,300	100	10	0.137	1.94	2.53	0.45	0.41	5.36	1.87	2.41	9.64
Row Cond & Inc	21'	2WD 170	19,700	100	10	0.085	1.20	2.05	0.42	0.41	4.09	1.71	2.53	8.35
Row Cond & Inc	26'	MFWD 190	18,700	100	10	0.063	0.89	1.70	0.29	0.31	3.21	1.20	1.93	6.35
Row Cond & Inc	38'	MFWD 225	27,100	100	10	0.047	0.66	1.50	0.31	0.33	2.82	1.30	2.03	6.15
Row Cond & Inc	42'	MFWD 225	20,400	100	10	0.040	0.56	1.27	0.20	0.28	2.33	0.83	1.73	4.90
Row Cond (Harrow)	13'	2WD 130	7,300	100	10	0.114	1.10	2.11	0.20	0.34	3.77	0.85	2.00	6.63
Row Cond (Harrow)	21'	2WD 170	12,000	100	10	0.071	0.68	1.71	0.21	0.34	2.95	0.87	2.11	5.93
Row Cond (Harrow)	27'	MFWD 190	12,400	100	10	0.057	0.55	1.54	0.17	0.28	2.56	0.72	1.75	5.03
Row Cond (Harrow)	38'	MFWD 225	22,200	100	10	0.039	0.37	1.25	0.21	0.27	2.12	0.88	1.69	4.70
Row Cond (Harrow)	42'	MFWD 225	15,582	100	10	0.035	0.34	1.13	0.13	0.25	1.86	0.56	1.53	3.95
Row Cond (Plant)	13'	2WD 130	7,120	100	10	0.157	1.50	2.89	0.27	0.47	5.15	1.14	2.74	9.04
Row Cond (Plant)	21'	2WD 170	11,700	100	10	0.097	0.93	2.34	0.28	0.47	4.03	1.16	2.89	8.08
Row Cond (Plant)	27'	MFWD 190	12,400	100	10	0.078	0.75	2.11	0.24	0.39	3.50	0.99	2.39	6.89
Row Cond (Plant)	38'	MFWD 225	16,587	100	10	0.053	0.51	1.71	0.22	0.37	2.83	0.90	2.31	6.05
Row Cond (Plant)	42'	MFWD 225	15,582	100	10	0.048	0.46	1.54	0.18	0.34	2.54	0.77	2.09	5.41
RT Cult (Early)	8R-30	2WD 170	20,774	200	12	0.103	0.99	2.48	1.02	0.50	5.00	1.00	3.06	9.06
RT Cult (Early)	12R-30	2WD 190	29,998	200	12	0.068	0.66	1.84	0.98	0.30	3.80	0.96	1.87	6.64
RT Cult (Late)	8R-30	2WD 170	20,774	200	12	0.128	1.23	3.10	1.28	0.62	6.25	1.25	3.83	11.33
RT Cult (Late)	12R-30	2WD 190	29,998	200	12	0.085	0.82	2.31	1.23	0.38	4.75	1.20	2.34	8.30
RT Cult + PD (Early)	8R-30	2WD 150	26,264	200	12	0.110	1.55	2.33	1.38	0.43	5.71	1.35	2.53	9.59
RT Cult + PD (Early)	12R-30	MFWD 225	35,493	200	12	0.073	1.03	2.33	1.24	0.51	5.13	1.21	3.15	9.51
RT Cult + PD (Late)	8R-30	2WD 170	26,264	200	12	0.137	1.94	3.30	1.73	0.67	7.65	1.68	4.08	13.42
RT Cult + PD (Late)	12R-30	2WD 190	35,493	200	12	0.091	1.29	2.46	1.55	0.40	5.72	1.52	2.49	9.74
Spin Spreader	5 ton	MFWD 190	10,800	100	8	0.042	0.78	1.13	0.25	0.21	2.38	0.49	1.28	4.16
Spin Spreader	5 ton	MFWD 190	10,800	100	8	0.042	0.78	1.13	0.25	0.21	2.38	0.49	1.28	4.16
Spray (Band)	27'	MFWD 170	5,940	200	8	0.062	0.88	1.50	0.17	0.32	2.89	0.20	1.99	5.09
Spray (Band)	40'	MFWD 170	7,350	200	8	0.042	0.59	1.01	0.14	0.22	1.98	0.16	1.34	3.49
Spray (Band)	50'	MFWD 170	6,730	200	8	0.033	0.47	0.81	0.10	0.17	1.57	0.12	1.07	2.77
Spray (Band)	53'	MFWD 170	7,650	200	8	0.031	0.45	0.76	0.11	0.16	1.50	0.13	1.01	2.64
Spray (Band)	60'	MFWD 170	10,000	200	8	0.028	0.39	0.67	0.13	0.14	1.35	0.15	0.89	2.40
Spray (Bcast/HB)	13' Rigid	MFWD 150	5,810	200	8	0.130	1.83	2.76	0.35	0.58	5.53	0.41	3.38	9.33
Spray (Bcast/HB)	20' Rigid	2WD 50	6,840	200	8	0.084	1.19	0.59	0.27	0.04	2.11	0.31	0.29	2.72
Spray (Bcast/HB)	27' Fold	MFWD 170	10,700	200	8	0.062	0.88	1.50	0.31	0.32	3.03	0.36	1.99	5.39
Spray (Bcast/HB)	27' Rigid	MFWD 170	7,870	200	8	0.062	0.88	1.50	0.23	0.32	2.95	0.26	1.99	5.21
Spray (Bcast/HB)	30' Fold	MFWD 170	15,300	200	8	0.056	0.79	1.35	0.40	0.29	2.85	0.47	1.79	5.11
Spray (Bcast/HB)	40' Fold	MFWD 170	17,400	200	8	0.042	0.59	1.01	0.34	0.22	2.18	0.40	1.34	3.92
Spray (Bcast/HB/HD)	27'	MFWD 170	22,400	200	8	0.062	0.88	1.50	0.65	0.32	3.37	0.76	1.99	6.13
Spray (Bcast/HB/HD)	40'	MFWD 170	32,200	200	8	0.042	0.59	1.01	0.63	0.22	2.47	0.74	1.34	4.56
Spray (Broadcast)	27'	MFWD 170	5,940	200	8	0.062	0.88	1.50	0.17	0.32	2.89	0.20	1.99	5.09
Spray (Broadcast)	40'	MFWD 170	7,350	200	8	0.042	0.59	1.01	0.14	0.22	1.98	0.16	1.34	3.49
Spray (Broadcast)	50'	MFWD 170	6,730	200	8	0.033	0.47	0.81	0.10	0.17	1.57	0.12	1.07	2.77
Spray (Broadcast)	53'	MFWD 170	7,650	200	8	0.031	0.45	0.76	0.11	0.16	1.50	0.13	1.01	2.64
Spray (Broadcast)	60'	MFWD 170	10,000	200	8	0.028	0.39	0.67	0.13	0.14	1.35	0.15	0.89	2.40
Spray (Direct/Hood)	8R-30	MFWD 170	17,700	200	8	0.084	1.19	2.03	0.70	0.44	4.37	0.81	2.69	7.88
Spray (Direct/Hood)	8R-38	MFWD 170	18,900	200	8	0.066	0.94	1.60	0.59	0.34	3.49	0.68	2.12	6.31
Spray (Direct/Hood)	12R-30	MFWD 170	25,600	200	8	0.056	0.79	1.35	0.67	0.29	3.12	0.78	1.79	5.70
Spray (Direct/Hood)	12R-38	MFWD 170	26,200	200	8	0.044	0.62	1.07	0.54	0.23	2.48	0.63	1.41	4.53
Spray (Direct/Layby)	8R-30	MFWD 170	12,300	200	8	0.084	1.19	2.03	0.48	0.44	4.16	0.56	2.69	7.42
Spray (Direct/Layby)	8R-38	MFWD 170	12,200	200	8	0.066	0.94	1.60	0.38	0.34	3.28	0.44	2.12	5.85
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	16,200	200	8	0.044	0.62	1.07	0.33	0.23	2.27	0.39	1.41	4.08
Spray (Direct/Layby)	10R-30	MFWD 170	12,200	200	8	0.067	0.95	1.62	0.38	0.35	3.32	0.44	2.15	5.92
Spray (Direct/Layby)	12R-30	MFWD 170	17,900	200	8	0.056	0.79	1.35	0.47	0.29	2.92	0.55	1.79	5.26
Spray (Direct/Layby)	12R-38	MFWD 170	16,200	200	8	0.044	0.62	1.07	0.33	0.23	2.27	0.39	1.41	4.08
Spray (Direct/Layby)	16R-20	MFWD 170	10,000	200	8	0.063	0.89	1.52	0.29	0.33	3.04	0.34	2.01	5.41
Spray (Spot)	27'	MFWD 170	5,940	200	8	0.062	0.88	1.50	0.17	0.32	2.89	0.20	1.99	5.09
Spray (Spot)	40'	MFWD 170	7,350	200	8	0.042	0.59	1.01	0.14	0.22	1.98	0.16	1.34	3.49
Spray (Spot)	50'	MFWD 170	7,410	200	8	0.033	0.47	0.81	0.11	0.17	1.58	0.13	1.07	2.80
Spray (Spot)	53'	MFWD 170	7,650	200	8	0.031	0.45	0.76	0.11	0.16	1.50	0.13	1.01	2.64
Spray (Spot)	60'	MFWD 170	10,000	200	8	0.028	0.39	0.67	0.13	0.14	1.35	0.15	0.89	2.40
Stalk Shredder	14'	MFWD 150	13,200	200	10	0.117	1.13	2.50	1.36	0.52	5.52	0.79	3.06	9.37
Stalk Shredder	20'	MFWD 150	30,500	200	10	0.082	0.79	1.75	2.20	0.36	5.11	1.28	2.14	8.53
Stalk Shredder-Flail	12'	MFWD 150	15,800	200	10	0.137	1.32	2.91	1.90	0.61	6.75	1.10	3.57	11.43
Stalk Shredder-Flail	20'	MFWD 150	26,900	200	10	0.082	0.79	1.75	1.94	0.36	4.85	1.13	2.14	8.12
Subsoiler	3 shank	MFWD 190	3,550	100	15	0.204	1.96	5.49	0.24	1.02	8.72	0.57	6.22	15.51
Subsoiler	4 shank	MFWD 225	8,230	100	15	0.153	1.47	4.89	0.42	1.08	7.87	0.99	6.61	15.48
Subsoiler	5 shank	MFWD 225	11,100	100	15	0.122	1.17	3.89	0.45	0.86	6.38	1.06	5.26	12.72
Subsoiler low-till	4 shank	MFWD 225	12,400	100	15	0.153	1.47	4.89	0.63	1.08	8.08	1.49	6.61	16.20
Subsoiler low-till	6 shank	MFWD 225	14,800	100	15	0.102	0.98	3.25	0.50	0.72	5.46	1.18	4.39	11.04
Subsoiler low-till	8 shank	MFWD 225	19,600	100	15	0.076	0.73	2.43	0.50	0.54	4.21	1.18	3.29	8.68
TerraTill Bed w/roll	4R-38	MFWD 225	14,300	150	12	0.160	1.54	5.12	0.83	1.13	8.63	1.38	6.92	16.94
TerraTill Bed w/roll	6R-38	MFWD 225	19,400	150	12	0.107	1.03	3.42	0.75	0.75	5.97	1.25	4.62	11.85
TerraTill Bed w/roll	4R-30	MFWD 225	14,300	150	12	0.204	1.96	6.50	1.05	1.44	10.96	1.75	8.79	21.52
TerraTill Bed w/roll	6R-30	MFWD 225	15,310	150	12	0.136	1.30	4.33	0.75	0.96	7.36	1.25	5.86	14.48