Projected Costs and Returns Crop Enterprise Budgets for Soybean Production in Louisiana, 2022

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Introduction

This publication presents estimates of projected costs and returns for soybean production in Louisiana for the 2022 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 2022 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. In addition, breakeven prices to cover direct production costs and total specified production costs are presented in tables C and D.

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 2022 planning budgets. Machinery and other input cost data are presented in the Appendix.

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

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

Expected Crop Yields and Market Prices

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

Direct Production Costs

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

Hired labor was charged at $11.88 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 3.50% per year. Operating capital was assumed to be borrowed in a manner consistent with timely acquisition of inputs. Fuel price for diesel was $2.84 per gallon. Variable costs for tractors, self-propelled machinery, and irrigation machinery include the cost of fuel, lubrication, and repair.

The intermediate term interest rate was charged at an historical real rate of 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
Soybeans, RR, 8-row equipment, stale seedbed, non-irrigated, alluvial soils, Northeast Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	3.0000	21.00	_________
App by Air (3 gal)	appl	5.60	5.0000	28.00	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	_________
LA Potash	lb	0.58	50.0000	29.00	_________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	_________
Stratego	pt	77.00	0.6250	48.13	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	1.81	1.0000	1.81	_________
Valor WP	oz	4.38	2.0000	8.76	_________
Dual II Magnum	pt	15.00	1.0000	15.00	_________
Flexstar HL	pt	6.88	1.0000	6.88	_________
INSECTICIDES					
Brigade EC	pt	9.60	0.7500	7.20	_________
Prevathon	oz	1.05	16.0000	16.80	_________
Besiege	oz	1.95	10.0000	19.50	_________
Surfactant	pt	1.75	1.0000	1.75	_________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	50.0000	70.00	_________
SERVICE FEE					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
Digital Ag Fee	acre	8.50	1.0000	8.50	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_________
OPERATOR LABOR					
Harvesters	hour	15.30	0.0851	1.30	_________
LA Hired Labor					
Implements	hour	11.88	0.1345	1.60	_________
Tractors	hour	11.88	0.4272	5.08	_________
DIESEL FUEL					
Tractors	gal	2.84	4.0612	11.54	_________
Harvesters	gal	2.84	1.2047	3.42	_________
REPAIR & MAINTENANCE					
Implements	Acre	5.62	1.0000	5.62	_________
Tractors	Acre	2.57	1.0000	2.57	_________
Harvesters	Acre	3.47	1.0000	3.47	_________
INTEREST ON OP. CAP.	Acre	5.45	1.0000	5.45	_________

TOTAL DIRECT EXPENSES				421.70	_________
FIXED EXPENSES					
Implements	Acre	9.13	1.0000	9.13	_________
Tractors	Acre	15.16	1.0000	15.16	_________
Harvesters	Acre	12.87	1.0000	12.87	_________

TOTAL FIXED EXPENSES				37.16	_________

TOTAL SPECIFIED EXPENSES				458.86	_________

Table 1.B Estimated resource use and costs for field operations, per Acre
Soybeans, RR, 8-row equipment, stale seedbed, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

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---------		
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Oct	2.66	2.95	1.17	1.23	0.11	1.38				9.39
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	2.85	3.21	1.21	2.39	0.07	0.83				10.49
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	1.66	1.84	0.06	0.14	0.04	0.58				4.28
Disk Bed (Hipper)Fld	8R-38	MFWD 190	0.074	1.00	Oct	2.54	2.81	0.41	1.00	0.07	0.88				7.64
Ditcher		2WD 130	0.020	1.00	Oct	0.45	0.41	0.05	0.06	0.02	0.24				1.21
App by Air (5 gal)	appl			1.00	Mar							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	1.81	1.81	1.81
Valor WP	oz											2.0000	4.38	8.76	8.76
Plant - Folding	8R-38	MFWD 170	0.074	1.00	May	2.23	2.25	1.52	2.69	0.14	1.78				10.47
Soybean Seed RR	lb											50.0000	1.40	70.00	70.00
Ditcher		2WD 130	0.020	1.00	May	0.45	0.41	0.05	0.06	0.02	0.24				1.21
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.27	1.28	0.20	0.23	0.06	0.75				3.73
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	15.00	15.00	15.00
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	6.88	6.88	6.88
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	2.72	16.32	16.32
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Besiege	oz											5.0000	1.95	9.75	9.75
Stratego	pt											0.6250	77.00	48.13	48.13
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (5 gal)	appl			1.00	Sep							1.0000	7.00	7.00	7.00
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	1.75	1.75	1.75
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	6.89	12.87	0.95	1.33	0.08	1.30				23.34
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
Haul Soybeans	bu			1.00	Oct							45.0000	0.27	12.15	12.15
TOTALS						21.00	28.03	5.62	9.13	0.64	7.98			381.65	453.41
INTEREST ON OPERATING CAPITAL															5.45
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															458.86

Table 1.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 8-row equipment, stale seedbed, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.33	6.77	7.27	7.85	8.54	9.37	10.38	11.64	13.27	15.43	18.47
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-272	-263	-251	-238	-223	-204	-181	-153	-116	-68	0
			-310	-300	-289	-276	-260	-241	-219	-190	-154	-105	-37
60	27.00	bu	-245	-233	-220	-204	-186	-163	-136	-102	-58	0	81
			-282	-271	-257	-241	-223	-200	-173	-139	-95	-37	44
70	31.50	bu	-218	-204	-188	-170	-148	-122	-90	-51	0	68	163
			-255	-241	-226	-207	-186	-160	-128	-88	-37	31	126
80	36.00	bu	-191	-175	-157	-136	-111	-81	-45	0	58	136	245
			-228	-212	-194	-173	-148	-119	-82	-37	21	99	208
90	40.50	bu	-163	-146	-125	-102	-74	-40	0	51	116	204	327
			-200	-183	-163	-139	-111	-78	-37	14	79	167	290
100	45.00	bu	-136	-116	-94	-68	-37	0	45	102	175	272	409
			-173	-154	-131	-105	-74	-37	8	65	138	235	372
110	49.50	bu	-109	-87	-62	-34	0	40	90	153	233	341	491
			-146	-124	-100	-71	-37	3	53	116	196	304	454
120	54.00	bu	-81	-58	-31	0	37	81	136	204	292	409	573
			-119	-95	-68	-37	0	44	99	167	255	372	536
130	58.50	bu	-54	-29	0	34	74	122	181	255	350	477	655
			-91	-66	-37	-3	37	85	144	218	313	440	618
140	63.00	bu	-27	0	31	68	111	163	227	307	409	545	737
			-64	-37	-5	31	74	126	190	269	372	508	699
150	67.50	bu	0	29	62	102	148	204	272	358	467	614	818
			-37	-7	25	65	111	167	235	321	430	577	781

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 1.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 8-row equipment, stale seedbed, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.88	7.36	7.90	8.54	9.29	10.19	11.29	12.67	14.45	16.81	20.12
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-260	-249	-237	-223	-206	-186	-161	-130	-90	-37	37
			-297	-287	-274	-260	-243	-223	-198	-167	-127	-74	0
60	27.00	bu	-230	-218	-203	-186	-165	-141	-111	-74	-26	37	126
			-267	-255	-240	-223	-203	-178	-148	-111	-63	0	89
70	31.50	bu	-201	-186	-168	-148	-125	-96	-62	-18	37	111	215
			-238	-223	-206	-186	-162	-133	-99	-55	0	74	178
80	36.00	bu	-171	-154	-134	-111	-84	-52	-12	37	100	186	305
			-208	-191	-171	-148	-121	-89	-49	0	63	148	267
90	40.50	bu	-141	-122	-100	-74	-44	-7	37	92	164	260	394
			-178	-159	-137	-111	-81	-44	0	55	127	223	357
100	45.00	bu	-111	-90	-65	-37	-3	37	86	148	228	334	483
			-148	-127	-103	-74	-40	0	49	111	191	297	446
110	49.50	bu	-81	-58	-31	-0	37	81	136	204	292	409	573
			-119	-95	-68	-37	0	44	99	167	255	372	535
120	54.00	bu	-52	-26	2	37	77	126	186	260	356	483	662
			-89	-63	-34	0	40	89	148	223	319	446	625
130	58.50	bu	-22	5	37	74	118	171	235	316	419	558	751
			-59	-31	0	37	81	133	198	279	382	521	714
140	63.00	bu	7	37	71	111	158	215	285	372	483	632	841
			-29	0	34	74	121	178	248	334	446	595	803
150	67.50	bu	37	69	105	148	199	260	334	427	547	707	930
			0	31	68	111	162	223	297	390	510	669	893

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 2.A Estimated costs per Acre
Soybeans, RR, 8-row equipment, stale seedbed, irrigated, alluvial soils, Northeast Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	2.0000	14.00	_________
App by Air (3 gal)	appl	5.60	6.0000	33.60	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	_________
LA Potash	lb	0.58	50.0000	29.00	_________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	_________
Stratego	pt	77.00	0.6250	48.13	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	1.81	1.0000	1.81	_________
Valor WP	oz	4.38	2.0000	8.76	_________
Dual II Magnum	pt	15.00	1.0000	15.00	_________
Flexstar HL	pt	6.88	1.0000	6.88	_________
INSECTICIDES					
Brigade EC	pt	9.60	0.7500	7.20	_________
Prevathon	oz	1.05	16.0000	16.80	_________
Besiege	oz	1.95	10.0000	19.50	_________
Surfactant	pt	1.75	1.0000	1.75	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	50.0000	70.00	_________
SERVICE FEE					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
Digital Ag Fee	acre	8.50	1.0000	8.50	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	_________
OPERATOR LABOR					
Harvesters	hour	15.30	0.0851	1.30	_________
IRRIGATION LABOR					
Implements	hour	9.06	0.0062	0.06	_________
LA Hired Labor					
Implements	hour	11.88	0.1345	1.60	_________
Tractors	hour	11.88	0.7203	8.56	_________
LA Irrigation Labor					
Special Labor	hour	11.88	0.1500	1.79	_________
DIESEL FUEL					
Tractors	gal	2.84	6.8886	19.57	_________
Harvesters	gal	2.84	1.2047	3.42	_________
Roll-Out Pipe Irr.	gal	2.84	4.8877	13.86	_________
REPAIR & MAINTENANCE					
Implements	Acre	5.97	1.0000	5.97	_________
Tractors	Acre	4.41	1.0000	4.41	_________
Harvesters	Acre	3.47	1.0000	3.47	_________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_________
INTEREST ON OP. CAP.	Acre	5.94	1.0000	5.94	_________

TOTAL DIRECT EXPENSES				466.18	_________
FIXED EXPENSES					
Implements	Acre	10.11	1.0000	10.11	_________
Tractors	Acre	26.06	1.0000	26.06	_________
Harvesters	Acre	12.87	1.0000	12.87	_________
Roll-Out Pipe Irr.	Acre	45.43	1.0000	45.43	_________

TOTAL FIXED EXPENSES				94.47	_________

TOTAL SPECIFIED EXPENSES				560.65	_________

Table 2.B Estimated resource use and costs for field operations, per Acre
Soybeans, RR, 8-row equipment, stale seedbed, irrigated,
alluvial soils, Northeast Louisiana, 2022.

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---------		
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Oct	2.66	2.95	1.17	1.23	0.11	1.38				9.39
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	2.85	3.21	1.21	2.39	0.07	0.83				10.49
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	1.66	1.84	0.06	0.14	0.04	0.58				4.28
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct	2.54	2.81	0.36	0.90	0.07	0.88				7.49
Ditcher		2WD 130	0.020	1.00	Oct	0.45	0.41	0.05	0.06	0.02	0.24				1.21
App by Air (5 gal)	appl			1.00	Mar							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	1.81	1.81	1.81
Valor WP	oz											2.0000	4.38	8.76	8.76
Plant - Folding	8R-38	MFWD 170	0.074	1.00	May	2.23	2.25	1.52	2.69	0.14	1.78				10.47
Soybean Seed RR	lb											50.0000	1.40	70.00	70.00
Ditcher		2WD 130	0.020	1.00	May	0.45	0.41	0.05	0.06	0.02	0.24				1.21
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.27	1.28	0.20	0.23	0.06	0.75				3.73
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	15.00	15.00	15.00
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	6.88	6.88	6.88
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	2.72	16.32	16.32
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Besiege	oz											5.0000	1.95	9.75	9.75
Stratego	pt											0.6250	77.00	48.13	48.13
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (3 gal)	appl			1.00	Sep							1.0000	5.60	5.60	5.60
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	1.75	1.75	1.75
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	6.89	12.87	0.95	1.33	0.08	1.30				23.34
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
Haul Soybeans	bu			1.00	Oct							55.0000	0.27	14.85	14.85
Roll-Out Pipe Irr.	Acre				Jul	9.87	10.90	19.62	46.51	0.44	5.33	1.0000		7.92	100.15
TOTALS						30.87	38.93	25.19	55.54	1.09	13.31			390.87	554.71
INTEREST ON OPERATING CAPITAL															5.94
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															560.65

Table 2.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 8-row equipment, stale seedbed, irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			5.74	6.13	6.58	7.10	7.73	8.47	9.38	10.52	11.99	13.94	16.68
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-300	-290	-277	-263	-246	-225	-200	-169	-128	-75	0
			-395	-384	-372	-357	-340	-320	-295	-263	-223	-169	-94
60	33.00	bu	-270	-257	-242	-225	-205	-180	-150	-112	-64	0	90
			-365	-352	-337	-320	-299	-274	-244	-207	-158	-94	-4
70	38.50	bu	-240	-225	-208	-188	-164	-135	-100	-56	0	75	180
			-335	-320	-302	-282	-258	-229	-194	-150	-94	-19	86
80	44.00	bu	-210	-193	-173	-150	-123	-90	-50	0	64	150	270
			-305	-287	-268	-244	-217	-184	-144	-94	-30	55	176
90	49.50	bu	-180	-161	-138	-112	-82	-45	0	56	128	225	360
			-274	-255	-233	-207	-176	-139	-94	-38	34	131	266
100	55.00	bu	-150	-128	-104	-75	-41	0	50	112	193	300	451
			-244	-223	-198	-169	-135	-94	-44	18	98	206	356
110	60.50	bu	-120	-96	-69	-37	0	45	100	169	257	376	541
			-214	-191	-163	-132	-94	-49	5	74	163	281	447
120	66.00	bu	-90	-64	-34	0	41	90	150	225	322	451	631
			-184	-158	-129	-94	-53	-4	55	131	227	356	537
130	71.50	bu	-60	-32	0	37	82	135	200	282	386	526	721
			-154	-126	-94	-56	-12	40	106	187	292	431	627
140	77.00	bu	-30	0	34	75	123	180	250	338	451	601	812
			-124	-94	-59	-19	28	86	156	243	356	507	717
150	82.50	bu	0	32	69	112	164	225	300	394	515	676	902
			-94	-62	-25	18	69	131	206	300	421	582	808

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 2.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 8-row equipment, stale seedbed, irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.88	7.35	7.90	8.53	9.29	10.19	11.29	12.67	14.44	16.80	20.11
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-269	-256	-241	-223	-203	-178	-148	-110	-61	3	94
			-363	-350	-335	-318	-297	-272	-242	-204	-155	-90	0
60	33.00	bu	-232	-217	-199	-178	-153	-123	-87	-41	16	94	203
			-327	-311	-293	-272	-248	-218	-181	-136	-77	0	109
70	38.50	bu	-196	-178	-157	-132	-103	-69	-26	26	94	185	312
			-291	-272	-251	-227	-198	-163	-121	-68	0	90	218
80	44.00	bu	-160	-139	-115	-87	-54	-14	33	94	172	276	421
			-254	-233	-209	-181	-148	-109	-60	0	77	181	327
90	49.50	bu	-123	-100	-73	-41	-4	39	94	162	250	367	531
			-218	-194	-167	-136	-99	-54	0	68	155	272	436
100	55.00	bu	-87	-61	-31	3	44	94	155	230	328	458	640
			-181	-155	-125	-90	-49	0	60	136	233	363	545
110	60.50	bu	-51	-22	10	48	94	149	215	299	406	549	749
			-145	-116	-83	-45	0	54	121	204	311	454	654
120	66.00	bu	-14	16	52	94	144	203	276	367	484	640	858
			-109	-77	-41	0	49	109	181	272	389	545	763
130	71.50	bu	21	55	94	139	193	258	337	435	562	731	967
			-72	-38	0	45	99	163	242	341	467	636	873
140	77.00	bu	58	94	136	185	243	312	397	503	640	822	1076
			-36	0	41	90	148	218	303	409	545	727	982
150	82.50	bu	94	133	178	230	292	367	458	571	718	913	1185
			0	38	83	136	198	272	363	477	623	818	1091

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 3.A Estimated costs per Acre
Soybeans, RR, 8-row equipment, stale seedbed,
irrigated, Macon Ridge, Northeast Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	2.0000	14.00	_________
App by Air (3 gal)	appl	5.60	6.0000	33.60	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	_________
LA Potash	lb	0.58	50.0000	29.00	_________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	_________
Stratego	pt	77.00	0.6250	48.13	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	1.81	1.0000	1.81	_________
Valor WP	oz	4.38	2.0000	8.76	_________
Dual II Magnum	pt	15.00	1.0000	15.00	_________
Flexstar HL	pt	6.88	1.0000	6.88	_________
INSECTICIDES					
Brigade EC	pt	9.60	0.7500	7.20	_________
Prevathon	oz	1.05	16.0000	16.80	_________
Besiege	oz	1.95	10.0000	19.50	_________
Surfactant	pt	1.75	1.0000	1.75	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	50.0000	70.00	_________
SERVICE FEE					
Digital Ag Fee	acre	8.50	1.0000	8.50	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	50.0000	13.50	_________
OPERATOR LABOR					
Harvesters	hour	15.30	0.0851	1.30	_________
IRRIGATION LABOR					
Implements	hour	9.06	0.0062	0.06	_________
LA Hired Labor					
Implements	hour	11.88	0.1345	1.60	_________
Tractors	hour	11.88	0.7203	8.56	_________
LA Irrigation Labor					
Special Labor	hour	11.88	0.1500	1.79	_________
DIESEL FUEL					
Tractors	gal	2.84	6.8886	19.57	_________
Harvesters	gal	2.84	1.2047	3.42	_________
Roll-Out Pipe Irr.	gal	2.84	4.8877	13.86	_________
REPAIR & MAINTENANCE					
Implements	Acre	6.21	1.0000	6.21	_________
Tractors	Acre	4.41	1.0000	4.41	_________
Harvesters	Acre	3.47	1.0000	3.47	_________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_________
INTEREST ON OP. CAP.	Acre	5.82	1.0000	5.82	_________

TOTAL DIRECT EXPENSES				445.48	_________
FIXED EXPENSES					
Implements	Acre	10.42	1.0000	10.42	_________
Tractors	Acre	26.06	1.0000	26.06	_________
Harvesters	Acre	12.87	1.0000	12.87	_________
Roll-Out Pipe Irr.	Acre	45.43	1.0000	45.43	_________

TOTAL FIXED EXPENSES				94.78	_________

TOTAL SPECIFIED EXPENSES				540.26	_________

Table 3.B Estimated resource use and costs for field operations, per Acre
Soybeans, RR, 8-row equipment, stale seedbed,
irrigated, Macon Ridge, Northeast Louisiana, 2022.

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---------		
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Oct	2.66	2.95	1.17	1.23	0.11	1.38				9.39
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	2.85	3.21	1.21	2.39	0.07	0.83				10.49
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	1.66	1.84	0.06	0.14	0.04	0.58				4.28
Disk Bed (Hipper)Fld	8R-38	MFWD 190	0.074	1.00	Oct	2.54	2.81	0.41	1.00	0.07	0.88				7.64
Ditcher		2WD 130	0.020	1.00	Oct	0.45	0.41	0.05	0.06	0.02	0.24				1.21
App by Air (5 gal)	appl			1.00	Mar							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	1.81	1.81	1.81
Valor WP	oz											2.0000	4.38	8.76	8.76
Plant - Folding	8R-38	MFWD 170	0.074	1.00	May	2.23	2.25	1.52	2.69	0.14	1.78				10.47
Soybean Seed RR	lb											50.0000	1.40	70.00	70.00
Ditcher		2WD 130	0.020	1.00	May	0.45	0.41	0.05	0.06	0.02	0.24				1.21
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.27	1.28	0.39	0.44	0.06	0.75				4.13
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	15.00	15.00	15.00
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	6.88	6.88	6.88
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	2.72	16.32	16.32
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Besiege	oz											5.0000	1.95	9.75	9.75
Stratego	pt											0.6250	77.00	48.13	48.13
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (3 gal)	appl			1.00	Sep							1.0000	5.60	5.60	5.60
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	1.75	1.75	1.75
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	6.89	12.87	0.95	1.33	0.08	1.30				23.34
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
Haul Soybeans	bu			1.00	Oct							50.0000	0.27	13.50	13.50
Roll-Out Pipe Irr.	Acre				Jul	9.87	10.90	19.62	46.51	0.44	5.33	1.0000		7.92	100.15
TOTALS						30.87	38.93	25.43	55.85	1.09	13.31			370.05	534.44
INTEREST ON OPERATING CAPITAL															5.82
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															540.26

Table 3.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 8-row equipment, stale seedbed,
irrigated, Macon Ridge, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.03	6.44	6.91	7.46	8.12	8.90	9.86	11.06	12.61	14.66	17.54
PERCENT	YIELD	UNIT	dollars										
50	25.00	bu	-287	-277	-265	-251	-235	-215	-191	-161	-123	-71	0
			-382	-372	-360	-346	-330	-310	-286	-256	-218	-166	-94
60	30.00	bu	-259	-246	-232	-215	-196	-172	-143	-107	-61	0	86
			-353	-341	-327	-310	-291	-267	-238	-202	-156	-94	-8
70	35.00	bu	-230	-215	-199	-179	-157	-129	-95	-53	0	71	172
			-325	-310	-294	-274	-251	-224	-190	-148	-94	-22	77
80	40.00	bu	-201	-185	-166	-143	-117	-86	-47	0	61	143	259
			-296	-279	-260	-238	-212	-181	-142	-94	-33	49	164
90	45.00	bu	-172	-154	-132	-107	-78	-43	0	53	123	215	345
			-267	-249	-227	-202	-173	-137	-94	-40	28	121	250
100	50.00	bu	-143	-123	-99	-71	-39	0	47	107	185	287	431
			-238	-218	-194	-166	-134	-94	-46	13	90	193	337
110	55.00	bu	-115	-92	-66	-35	0	43	95	161	246	359	518
			-209	-187	-161	-130	-94	-51	1	67	152	265	423
120	60.00	bu	-86	-61	-33	0	39	86	143	215	308	431	604
			-181	-156	-128	-94	-55	-8	49	121	213	337	509
130	65.00	bu	-57	-30	0	35	78	129	191	269	370	503	691
			-152	-125	-94	-58	-16	34	97	175	275	409	596
140	70.00	bu	-28	0	33	71	117	172	239	323	431	575	777
			-123	-94	-61	-22	23	77	145	229	337	481	682
150	75.00	bu	0	30	66	107	157	215	287	377	493	647	863
			-94	-63	-28	13	62	121	193	283	398	553	769

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 3.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 8-row equipment, stale seedbed,
irrigated, Macon Ridge, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			7.29	7.79	8.37	9.04	9.84	10.80	11.97	13.43	15.31	17.82	21.33
PERCENT	YIELD	UNIT	dollars										
50	25.00	bu	-256	-243	-229	-212	-192	-168	-139	-102	-55	7	94
			-351	-338	-324	-307	-287	-263	-234	-197	-150	-87	0
60	30.00	bu	-221	-206	-188	-168	-144	-115	-80	-36	19	94	200
			-316	-300	-283	-263	-239	-210	-175	-131	-75	0	105
70	35.00	bu	-186	-168	-148	-124	-96	-63	-22	28	94	182	305
			-280	-263	-243	-219	-191	-158	-117	-65	0	87	210
80	40.00	bu	-151	-130	-107	-80	-48	-10	36	94	170	270	410
			-245	-225	-202	-175	-143	-105	-58	0	75	175	316
90	45.00	bu	-115	-93	-67	-36	-0	42	94	160	245	358	516
			-210	-188	-162	-131	-95	-52	0	65	150	263	421
100	50.00	bu	-80	-55	-26	7	46	94	153	226	320	445	621
			-175	-150	-121	-87	-47	0	58	131	225	351	526
110	55.00	bu	-45	-18	13	50	94	147	211	292	395	533	726
			-140	-112	-81	-43	0	52	117	197	300	438	632
120	60.00	bu	-10	19	54	94	142	200	270	358	470	621	832
			-105	-75	-40	0	47	105	175	263	376	526	737
130	65.00	bu	24	57	94	138	190	252	328	423	546	709	937
			-70	-37	0	43	95	158	234	329	451	614	842
140	70.00	bu	59	94	135	182	238	305	387	489	621	797	1042
			-35	0	40	87	143	210	292	395	526	702	948
150	75.00	bu	94	132	175	226	286	358	445	555	696	884	1148
			0	37	81	131	191	263	351	460	601	790	1053

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 4.A Estimated costs per Acre
Soybeans, RR, 12-row equipment, 20-inch rows, non-irrigated, alluvial soils, Northeast Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	3.0000	21.00	________
App by Air (3 gal)	appl	5.60	5.0000	28.00	________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	________
LA Potash	lb	0.58	50.0000	29.00	________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	________
Stratego	pt	77.00	0.6250	48.13	________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	________
2,4-D Amine 4	pt	1.81	1.0000	1.81	________
Valor WP	oz	4.38	2.0000	8.76	________
Dual II Magnum	pt	15.00	1.0000	15.00	________
Flexstar HL	pt	6.88	1.0000	6.88	________
INSECTICIDES					
Brigade EC	pt	9.60	0.7500	7.20	________
Prevathon	oz	1.05	16.0000	16.80	________
Besiege	oz	1.95	10.0000	19.50	________
Surfactant	pt	1.75	1.0000	1.75	________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	50.0000	70.00	________
SERVICE FEE					
Lime (Spread)	ton	59.00	0.3300	19.47	________
Digital Ag Fee	acre	8.50	1.0000	8.50	________
Soil Test	acre	10.00	0.3300	3.30	________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	________
OPERATOR LABOR					
Harvesters	hour	15.30	0.0851	1.30	________
LA Hired Labor					
Implements	hour	11.88	0.1586	1.89	________
Tractors	hour	11.88	0.3542	4.21	________
DIESEL FUEL					
Tractors	gal	2.84	3.4392	9.77	________
Harvesters	gal	2.84	1.2047	3.42	________
REPAIR & MAINTENANCE					
Implements	Acre	5.62	1.0000	5.62	________
Tractors	Acre	2.21	1.0000	2.21	________
Harvesters	Acre	3.47	1.0000	3.47	________
INTEREST ON OP. CAP.	Acre	5.47	1.0000	5.47	________
TOTAL DIRECT EXPENSES				419.01	________
FIXED EXPENSES					
Implements	Acre	9.45	1.0000	9.45	________
Tractors	Acre	13.03	1.0000	13.03	________
Harvesters	Acre	12.87	1.0000	12.87	________
TOTAL FIXED EXPENSES				35.35	________
TOTAL SPECIFIED EXPENSES				454.36	________

Table 4.B Estimated resource use and costs for field operations, per Acre
Soybeans, RR, 12-row equipment, 20-inch rows, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

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---------		
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	Oct	3.19	3.59	1.36	1.43	0.11	1.40				10.97
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	1.60	1.77	0.51	2.00	0.04	0.55				6.43
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	1.66	1.84	0.06	0.14	0.04	0.58				4.28
Ditcher		2WD 130	0.020	1.00	Oct	0.45	0.41	0.05	0.06	0.02	0.24				1.21
App by Air (5 gal)	appl			1.00	Mar							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	1.81	1.81	1.81
Valor WP	oz											2.0000	4.38	8.76	8.76
NT Plant-Rigid	12R-20	MFWD 190	0.098	1.00	May	3.36	3.73	2.25	3.99	0.19	2.34				15.67
Soybean Seed RR	lb											50.0000	1.40	70.00	70.00
Ditcher		2WD 130	0.020	1.00	May	0.45	0.41	0.05	0.06	0.02	0.24				1.21
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.27	1.28	0.39	0.44	0.06	0.75				4.13
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	15.00	15.00	15.00
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	6.88	6.88	6.88
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	2.72	16.32	16.32
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Besiege	oz											5.0000	1.95	9.75	9.75
Stratego	pt											0.6250	77.00	48.13	48.13
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (5 gal)	appl			1.00	Sep							1.0000	7.00	7.00	7.00
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	1.75	1.75	1.75
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	6.89	12.87	0.95	1.33	0.08	1.30				23.34
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
Haul Soybeans	bu			1.00	Oct							45.0000	0.27	12.15	12.15
TOTALS						18.87	25.90	5.62	9.45	0.59	7.40			381.65	448.89
INTEREST ON OPERATING CAPITAL															5.47
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															454.36

Table 4.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, 20-inch rows, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.29	6.72	7.22	7.80	8.48	9.31	10.31	11.57	13.18	15.33	18.35
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-271	-261	-250	-237	-221	-203	-180	-152	-116	-67	0
			-306	-296	-285	-272	-257	-238	-216	-187	-151	-103	-35
60	27.00	bu	-244	-232	-219	-203	-184	-162	-135	-101	-58	0	81
			-279	-267	-254	-238	-220	-198	-170	-137	-93	-35	46
70	31.50	bu	-216	-203	-187	-169	-147	-122	-90	-50	0	67	162
			-252	-238	-223	-204	-183	-157	-125	-86	-35	32	127
80	36.00	bu	-189	-174	-156	-135	-110	-81	-45	0	58	135	244
			-225	-209	-191	-170	-146	-116	-80	-35	22	100	208
90	40.50	bu	-162	-145	-125	-101	-73	-40	0	50	116	203	325
			-198	-180	-160	-137	-109	-76	-35	15	80	168	290
100	45.00	bu	-135	-116	-93	-67	-36	0	45	101	174	271	406
			-170	-151	-129	-103	-72	-35	9	66	138	235	371
110	49.50	bu	-108	-87	-62	-33	0	40	90	152	232	338	488
			-143	-122	-97	-69	-35	5	55	117	197	303	452
120	54.00	bu	-81	-58	-31	0	36	81	135	203	290	406	569
			-116	-93	-66	-35	1	46	100	168	255	371	534
130	58.50	bu	-54	-29	0	33	73	122	180	254	348	474	650
			-89	-64	-35	-1	38	86	145	218	313	439	615
140	63.00	bu	-27	0	31	67	110	162	225	305	406	542	732
			-62	-35	-4	32	75	127	190	269	371	507	696
150	67.50	bu	0	29	62	101	147	203	271	355	464	610	813
			-35	-6	27	66	112	168	235	320	429	574	778

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 4.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, 20-inch rows, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.82	7.28	7.82	8.45	9.20	10.09	11.18	12.55	14.30	16.64	19.92
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-259	-248	-236	-222	-205	-185	-161	-130	-90	-38	35
			-294	-284	-272	-257	-241	-221	-196	-165	-126	-73	0
60	27.00	bu	-229	-217	-202	-185	-165	-141	-112	-75	-27	35	123
			-265	-252	-238	-221	-200	-176	-147	-110	-63	0	88
70	31.50	bu	-200	-185	-168	-148	-125	-97	-62	-19	35	109	212
			-235	-221	-204	-184	-160	-132	-98	-55	0	73	176
80	36.00	bu	-170	-154	-134	-112	-85	-53	-13	35	98	182	300
			-206	-189	-170	-147	-120	-88	-49	0	63	147	265
90	40.50	bu	-141	-122	-100	-75	-45	-8	35	90	161	256	389
			-176	-157	-136	-110	-80	-44	0	55	126	221	353
100	45.00	bu	-112	-90	-66	-38	-4	35	84	145	224	330	477
			-147	-126	-102	-73	-40	0	49	110	189	294	442
110	49.50	bu	-82	-59	-32	-1	35	79	133	201	288	403	565
			-117	-94	-68	-36	0	44	98	165	252	368	530
120	54.00	bu	-53	-27	1	35	75	123	182	256	351	477	654
			-88	-63	-34	0	40	88	147	221	315	442	618
130	58.50	bu	-23	3	35	72	115	167	231	311	414	551	742
			-58	-31	0	36	80	132	196	276	378	515	707
140	63.00	bu	5	35	69	109	155	212	280	366	477	624	831
			-29	0	34	73	120	176	245	331	442	589	795
150	67.50	bu	35	66	103	145	196	256	330	422	540	698	919
			0	31	68	110	160	221	294	386	505	663	884

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 5.A Estimated costs per Acre
Soybeans, RR, 12-row equipment, 20-inch rows, irrigated
alluvial soils, Northeast Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	3.0000	21.00	_________
App by Air (3 gal)	appl	5.60	5.0000	28.00	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	_________
LA Potash	lb	0.58	50.0000	29.00	_________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	_________
Stratego	pt	77.00	0.6250	48.13	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	1.81	1.0000	1.81	_________
Valor WP	oz	4.38	2.0000	8.76	_________
Dual II Magnum	pt	15.00	1.0000	15.00	_________
Flexstar HL	pt	6.88	1.0000	6.88	_________
INSECTICIDES					
Brigade EC	pt	9.60	0.7500	7.20	_________
Prevathon	oz	1.05	16.0000	16.80	_________
Besiege	oz	1.95	10.0000	19.50	_________
Surfactant	pt	1.75	1.0000	1.75	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	50.0000	70.00	_________
SERVICE FEE					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
Digital Ag Fee	acre	8.50	1.0000	8.50	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	_________
OPERATOR LABOR					
Harvesters	hour	15.30	0.0851	1.30	_________
IRRIGATION LABOR					
Implements	hour	9.06	0.0062	0.06	_________
LA Hired Labor					
Implements	hour	11.88	0.1586	1.89	_________
Tractors	hour	11.88	0.6473	7.69	_________
LA Irrigation Labor					
Special Labor	hour	11.88	0.1500	1.79	_________
DIESEL FUEL					
Tractors	gal	2.84	6.2667	17.80	_________
Harvesters	gal	2.84	1.2047	3.42	_________
Roll-Out Pipe Irr.	gal	2.84	4.8877	13.86	_________
REPAIR & MAINTENANCE					
Implements	Acre	6.43	1.0000	6.43	_________
Tractors	Acre	4.05	1.0000	4.05	_________
Harvesters	Acre	3.47	1.0000	3.47	_________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_________
INTEREST ON OP. CAP.	Acre	5.98	1.0000	5.98	_________

TOTAL DIRECT EXPENSES				465.37	_________
FIXED EXPENSES					
Implements	Acre	11.39	1.0000	11.39	_________
Tractors	Acre	23.93	1.0000	23.93	_________
Harvesters	Acre	12.87	1.0000	12.87	_________
Roll-Out Pipe Irr.	Acre	45.43	1.0000	45.43	_________

TOTAL FIXED EXPENSES				93.62	_________

TOTAL SPECIFIED EXPENSES				558.99	_________

Table 5.B Estimated resource use and costs for field operations, per Acre
Soybeans, RR, 12-row equipment, 20-inch rows, irrigated
alluvial soils, Northeast Louisiana, 2022.

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---------		
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	Oct	3.19	3.59	1.36	1.43	0.11	1.40				10.97
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	1.60	1.77	0.51	2.00	0.04	0.55				6.43
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	1.66	1.84	0.06	0.14	0.04	0.58				4.28
Ditcher		2WD 130	0.020	1.00	Oct	0.45	0.41	0.05	0.06	0.02	0.24				1.21
App by Air (5 gal)	appl			1.00	Mar							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	1.81	1.81	1.81
Valor WP	oz											2.0000	4.38	8.76	8.76
NT Plant-Folding	12R-20	MFWD 190	0.098	1.00	May	3.36	3.73	2.85	5.06	0.19	2.34				17.34
Soybean Seed RR	lb											50.0000	1.40	70.00	70.00
Ditcher		2WD 130	0.020	1.00	May	0.45	0.41	0.05	0.06	0.02	0.24				1.21
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.27	1.28	0.20	0.23	0.06	0.75				3.73
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	15.00	15.00	15.00
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	6.88	6.88	6.88
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	2.72	16.32	16.32
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Besiege	oz											5.0000	1.95	9.75	9.75
Stratego	pt											0.6250	77.00	48.13	48.13
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (5 gal)	appl			1.00	Sep							1.0000	7.00	7.00	7.00
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	1.75	1.75	1.75
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	6.89	12.87	0.95	1.33	0.08	1.30				23.34
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
Haul Soybeans	bu			1.00	Oct							55.0000	0.27	14.85	14.85
Roll-Out Pipe Irr.	Acre				Jul	9.87	10.90	19.62	46.51	0.44	5.33	1.0000		7.92	100.15
TOTALS						28.74	36.80	25.65	56.82	1.04	12.73			392.27	553.01
INTEREST ON OPERATING CAPITAL															5.98
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															558.99

Table 5.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, 20-inch rows, irrigated
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			5.73	6.12	6.57	7.09	7.71	8.46	9.37	10.50	11.97	13.92	16.65
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-300	-289	-277	-262	-245	-225	-200	-168	-128	-75	0
			-393	-383	-370	-356	-339	-318	-293	-262	-222	-168	-93
60	33.00	bu	-270	-257	-242	-225	-204	-180	-150	-112	-64	0	90
			-363	-351	-336	-318	-298	-273	-243	-206	-157	-93	-3
70	38.50	bu	-240	-225	-207	-187	-163	-135	-100	-56	0	75	180
			-333	-318	-301	-281	-257	-228	-193	-149	-93	-18	86
80	44.00	bu	-210	-193	-173	-150	-122	-90	-50	0	64	150	270
			-303	-286	-266	-243	-216	-183	-143	-93	-29	56	176
90	49.50	bu	-180	-160	-138	-112	-81	-45	0	56	128	225	360
			-273	-254	-232	-206	-175	-138	-93	-37	35	131	266
100	55.00	bu	-150	-128	-103	-75	-40	0	50	112	193	300	450
			-243	-222	-197	-168	-134	-93	-43	18	99	206	356
110	60.50	bu	-120	-96	-69	-37	0	45	100	168	257	375	540
			-213	-190	-162	-131	-93	-48	6	75	163	281	446
120	66.00	bu	-90	-64	-34	0	40	90	150	225	321	450	630
			-183	-157	-128	-93	-52	-3	56	131	228	356	536
130	71.50	bu	-60	-32	0	37	81	135	200	281	386	525	720
			-153	-125	-93	-56	-11	41	106	187	292	431	627
140	77.00	bu	-30	0	34	75	122	180	250	337	450	600	810
			-123	-93	-58	-18	29	86	156	244	356	506	717
150	82.50	bu	0	32	69	112	163	225	300	394	514	675	900
			-93	-61	-24	18	70	131	206	300	421	582	807

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 5.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, 20-inch rows, irrigated
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.86	7.33	7.88	8.51	9.26	10.16	11.26	12.63	14.40	16.75	20.05
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-269	-256	-241	-223	-203	-178	-148	-110	-61	2	93
			-362	-349	-334	-317	-296	-272	-241	-204	-155	-90	0
60	33.00	bu	-232	-217	-199	-178	-153	-124	-87	-42	15	93	202
			-326	-310	-292	-272	-247	-217	-181	-136	-77	0	108
70	38.50	bu	-196	-178	-157	-133	-104	-69	-27	25	93	184	311
			-290	-272	-251	-226	-197	-163	-120	-68	0	90	217
80	44.00	bu	-160	-139	-115	-87	-54	-15	33	93	171	274	420
			-253	-233	-209	-181	-148	-108	-60	0	77	181	326
90	49.50	bu	-124	-100	-73	-42	-5	39	93	161	249	365	528
			-217	-194	-167	-136	-98	-54	0	68	155	272	435
100	55.00	bu	-87	-61	-31	2	44	93	154	229	326	456	637
			-181	-155	-125	-90	-49	0	60	136	233	362	544
110	60.50	bu	-51	-22	9	48	93	148	214	297	404	546	746
			-145	-116	-83	-45	0	54	120	204	310	453	652
120	66.00	bu	-15	15	51	93	143	202	274	365	482	637	855
			-108	-77	-41	0	49	108	181	272	388	544	761
130	71.50	bu	21	54	93	138	192	256	335	433	559	728	964
			-72	-38	0	45	98	163	241	340	466	634	870
140	77.00	bu	57	93	135	184	241	311	395	501	637	819	1072
			-36	0	41	90	148	217	302	408	544	725	979
150	82.50	bu	93	132	177	229	291	365	456	569	715	909	1181
			0	38	83	136	197	272	362	476	621	816	1088

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 6.A Estimated costs and returns per acre,
Soybeans, RR, drill planted, conventional tillage,in rotation,
Southwest Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	3.0000	21.00	_________
LARice GPS Charge-SW	acre	0.35	3.0000	1.05	_________
App by Air (3 gal)	appl	5.60	4.0000	22.40	_________
HARVEST AIDS					
Gramoxone Max	pt	3.00	1.0000	3.00	_________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	_________
LA Potash	lb	0.58	50.0000	29.00	_________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	_________
Stratego	pt	77.00	0.6250	48.13	_________
HERBICIDES					
Roundup Ultra MAX	pt	5.97	3.5000	20.90	_________
Classic	oz	12.00	0.2500	3.00	_________
INSECTICIDES					
Dimilin 2L	oz	1.70	2.0000	3.40	_________
Besiege	oz	1.95	10.0000	19.50	_________
Prevathon	oz	1.05	16.0000	16.80	_________
Methyl Parathion	pt	5.79	1.0000	5.79	_________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	75.0000	105.00	_________
SERVICE FEE					
Surfactant	pt	1.75	0.5000	0.88	_________
Digital Ag Fee	acre	8.50	1.0000	8.50	_________
Soil Test	acre	10.00	0.3300	3.30	_________
ADJUVANTS					
Custom Spread(Truc	appl	4.50	1.0000	4.50	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	35.0000	9.45	_________
HAND LABOR					
Implements	hour	9.06	0.0942	0.85	_________
LA OPERATOR LABOR					
Self-Propelled	hour	15.30	0.2310	3.54	_________
LA Hired Labor					
Tractors	hour	11.88	0.3772	4.49	_________
LA Other Labor					
Special Labor	hour	11.88	0.1250	1.49	_________
DIESEL FUEL					
Tractors	gal	2.84	3.3869	9.62	_________
Self-Propelled	gal	2.84	1.4915	4.24	_________
REPAIR & MAINTENANCE					
Implements	acre	4.28	1.0000	4.28	_________
Tractors	acre	2.04	1.0000	2.04	_________
Self-Propelled	acre	9.24	1.0000	9.24	_________
INTEREST ON OP. CAP.	acre	5.91	1.0000	5.91	_________

TOTAL DIRECT EXPENSES				420.12	_________
FIXED EXPENSES					
Implements	acre	9.03	1.0000	9.03	_________
Tractors	acre	11.63	1.0000	11.63	_________
Self-Propelled	acre	13.28	1.0000	13.28	_________

TOTAL FIXED EXPENSES				33.94	_________

TOTAL SPECIFIED EXPENSES				454.06	_________

Table 6.B Estimated resource use and costs for field operations, per acre,
Soybeans, RR, drill planted, conventional tillage,in rotation,
Southwest Louisiana, 2022.

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'	Track 300	0.061	1.00	Nov	3.32	3.72	1.07	2.10	0.06	0.73				10.94
LARice Land Level	13 ft	MFWD 150	0.190	0.20	Nov	1.00	0.95	0.03	0.12	0.03	0.45				2.55
Ditcher		MFWD 150	0.020	1.00	Nov	0.53	0.50	0.05	0.06	0.02	0.24				1.38
Disk Harrow	32'	MFWD 150	0.061	1.00	Mar	1.62	1.54	1.07	2.10	0.06	0.73				7.06
Custom Spread(Truc	appl			1.00	Mar							1.0000	4.50	4.50	4.50
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Field Cultivate	24'	MFWD 150	0.062	1.00	Mar	1.64	1.56	0.48	1.90	0.06	0.74				6.32
Ditcher		MFWD 150	0.020	1.00	Apr	0.53	0.50	0.05	0.06	0.02	0.24				1.38
Grain Drill	20'	MFWD 150	0.094	1.00	May	2.49	2.36	1.48	2.63	0.18	1.97				10.93
LA Other Labor	hour									0.12	1.49				1.49
Soybean Seed RR	lb											75.0000	1.40	105.00	105.00
Ditcher		MFWD 150	0.020	1.00	May	0.53	0.50	0.05	0.06	0.02	0.24				1.38
App by Air (5 gal)	appl			1.00	May							1.0000	7.00	7.00	7.00
Roundup Ultra MAX	pt											2.0000	5.97	11.94	11.94
Classic	oz											0.2500	12.00	3.00	3.00
Surfactant	pt											0.2000	1.75	0.35	0.35
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup Ultra MAX	pt											1.5000	5.97	8.96	8.96
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Dimilin 2L	oz											2.0000	1.70	3.40	3.40
Quadris	oz											6.0000	2.72	16.32	16.32
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (5 gal)	appl			1.00	Aug							1.0000	7.00	7.00	7.00
Methyl Parathion	pt											1.0000	5.79	5.79	5.79
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Sep							1.0000	5.60	5.60	5.60
Stratego	pt											0.6250	77.00	48.13	48.13
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (5 gal)	appl			1.00	Sep								7.00		
Gramoxone Max	pt											1.0000	3.00	3.00	3.00
Surfactant	pt											0.3000	1.75	0.53	0.53
LARice Combine Med	20 ft		0.210	1.00	Oct	13.48	13.28			0.23	3.54				30.30
Haul Soybeans	bu			1.00	Oct							35.0000	0.27	9.45	9.45
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
TOTALS						25.14	24.91	4.28	9.03	0.82	10.37			374.42	448.15
INTEREST ON OPERATING CAPITAL															5.91
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															454.06

Table 6.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, drill planted, conventional tillage,in rotation,
Southwest Louisiana, 2022.

LA Soybeans			BREAKEVEN PRICE										
			8.09	8.65	9.29	10.04	10.93	12.00	13.30	14.93	17.03	19.82	23.73
PERCENT	YIELD	UNIT	dollars										
50	17.50	bu	-273	-263	-252	-239	-223	-205	-182	-153	-117	-68	0
			-307	-297	-286	-273	-257	-239	-216	-187	-151	-102	-33
60	21.00	bu	-246	-234	-221	-205	-186	-164	-136	-102	-58	0	82
			-280	-268	-255	-239	-220	-198	-170	-136	-92	-33	48
70	24.50	bu	-219	-205	-189	-171	-149	-123	-91	-51	0	68	164
			-252	-239	-223	-205	-183	-157	-125	-85	-33	34	130
80	28.00	bu	-191	-175	-157	-136	-111	-82	-45	0	58	136	246
			-225	-209	-191	-170	-145	-116	-79	-33	24	102	212
90	31.50	bu	-164	-146	-126	-102	-74	-41	0	51	117	205	328
			-198	-180	-160	-136	-108	-75	-33	17	83	171	294
100	35.00	bu	-136	-117	-94	-68	-37	0	45	102	175	273	410
			-170	-151	-128	-102	-71	-33	11	68	142	239	376
110	38.50	bu	-109	-87	-63	-34	0	41	91	153	234	342	492
			-143	-121	-97	-68	-33	7	57	120	200	308	458
120	42.00	bu	-82	-58	-31	0	37	82	136	205	293	410	574
			-116	-92	-65	-33	3	48	102	171	259	376	540
130	45.50	bu	-54	-29	0	34	74	123	182	256	351	479	657
			-88	-63	-33	0	40	89	148	222	318	445	623
140	49.00	bu	-27	0	31	68	111	164	228	307	410	547	739
			-61	-33	-2	34	78	130	194	274	376	513	705
150	52.50	bu	0	29	63	102	149	205	273	359	469	615	821
			-33	-4	29	68	115	171	239	325	435	582	787

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 6.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, drill planted, conventional tillage,in rotation,
Southwest Louisiana, 2022.

LA Soybeans			BREAKEVEN PRICE										
			8.73	9.34	10.04	10.85	11.81	12.97	14.38	16.14	18.41	21.44	25.67
PERCENT	YIELD	UNIT	dollars										
50	17.50	bu	-262	-251	-239	-225	-208	-188	-163	-132	-93	-40	33
			-296	-285	-273	-259	-242	-222	-197	-166	-127	-74	0
60	21.00	bu	-232	-220	-205	-188	-168	-143	-114	-77	-29	33	122
			-266	-254	-239	-222	-202	-177	-148	-111	-63	0	88
70	24.50	bu	-203	-188	-171	-151	-127	-99	-64	-21	33	108	211
			-237	-222	-205	-185	-161	-133	-98	-55	0	74	177
80	28.00	bu	-173	-156	-137	-114	-87	-54	-15	33	97	182	300
			-207	-190	-170	-148	-121	-88	-49	0	63	148	266
90	31.50	bu	-143	-124	-102	-77	-46	-10	33	89	160	256	389
			-177	-158	-136	-111	-80	-44	0	55	127	222	355
100	35.00	bu	-114	-93	-68	-40	-6	33	83	145	224	330	478
			-148	-127	-102	-74	-40	0	49	111	190	296	444
110	38.50	bu	-84	-61	-34	-3	33	78	132	200	287	404	567
			-118	-95	-68	-37	0	44	98	166	254	370	533
120	42.00	bu	-54	-29	-0	33	74	122	182	256	351	478	656
			-88	-63	-34	0	40	88	148	222	317	444	622
130	45.50	bu	-25	2	33	70	114	167	231	311	415	552	745
			-59	-31	0	37	80	133	197	277	381	518	711
140	49.00	bu	4	33	68	108	155	211	280	367	478	626	834
			-29	0	34	74	121	177	246	333	444	592	800
150	52.50	bu	33	65	102	145	195	256	330	422	542	700	923
			0	31	68	111	161	222	296	389	508	666	889

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 7.A Estimated costs per Acre
Soybeans, RR, 12-row equipment, stale seedbed, non-irrigated, alluvial soils, Northeast Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	3.0000	21.00	_________
App by Air (3 gal)	appl	5.60	5.0000	28.00	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	_________
LA Potash	lb	0.58	50.0000	29.00	_________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	_________
Stratego	pt	77.00	0.6250	48.13	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	1.81	1.0000	1.81	_________
Valor WP	oz	4.38	2.0000	8.76	_________
Dual II Magnum	pt	15.00	1.0000	15.00	_________
Flexstar HL	pt	6.88	1.0000	6.88	_________
INSECTICIDES					
Brigade EC	pt	9.60	0.7500	7.20	_________
Prevathon	oz	1.05	16.0000	16.80	_________
Besiege	oz	1.95	10.0000	19.50	_________
Surfactant	pt	1.75	1.0000	1.75	_________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	50.0000	70.00	_________
SERVICE FEE					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
Digital Ag Fee	acre	8.50	1.0000	8.50	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_________
OPERATOR LABOR					
Harvesters	hour	15.30	0.0851	1.30	_________
LA Hired Labor					
Implements	hour	11.88	0.0966	1.15	_________
Tractors	hour	11.88	0.3516	4.18	_________
DIESEL FUEL					
Tractors	gal	2.84	3.5802	10.17	_________
Harvesters	gal	2.84	1.2047	3.42	_________
REPAIR & MAINTENANCE					
Implements	Acre	5.53	1.0000	5.53	_________
Tractors	Acre	2.31	1.0000	2.31	_________
Harvesters	Acre	3.47	1.0000	3.47	_________
INTEREST ON OP. CAP.	Acre	5.42	1.0000	5.42	_________

TOTAL DIRECT EXPENSES				418.60	_________
FIXED EXPENSES					
Implements	Acre	9.40	1.0000	9.40	_________
Tractors	Acre	13.64	1.0000	13.64	_________
Harvesters	Acre	12.87	1.0000	12.87	_________

TOTAL FIXED EXPENSES				35.91	_________

TOTAL SPECIFIED EXPENSES				454.51	_________

Table 7.B Estimated resource use and costs for field operations, per Acre
Soybeans, RR, 12-row equipment, stale seedbed, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

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		
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.10	2.36	0.82	0.86	0.07	0.92				7.06
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	2.85	3.21	1.21	2.39	0.07	0.83				10.49
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	1.66	1.84	0.06	0.14	0.04	0.58				4.28
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.00	2.25	0.63	1.56	0.04	0.59				7.03
Ditcher		2WD 130	0.020	1.00	Oct	0.45	0.41	0.05	0.06	0.02	0.24				1.21
App by Air (5 gal)	appl			1.00	Mar							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	1.81	1.81	1.81
Valor WP	oz											2.0000	4.38	8.76	8.76
Plant - Folding	12R-38	MFWD 190	0.049	1.00	May	1.70	1.88	1.56	2.77	0.09	1.18				9.09
Soybean Seed RR	lb											50.0000	1.40	70.00	70.00
Ditcher		2WD 130	0.020	1.00	May	0.45	0.41	0.05	0.06	0.02	0.24				1.21
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.27	1.28	0.20	0.23	0.06	0.75				3.73
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	15.00	15.00	15.00
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	6.88	6.88	6.88
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	2.72	16.32	16.32
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Besiege	oz											5.0000	1.95	9.75	9.75
Stratego	pt											0.6250	77.00	48.13	48.13
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (5 gal)	appl			1.00	Sep							1.0000	7.00	7.00	7.00
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	1.75	1.75	1.75
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	6.89	12.87	0.95	1.33	0.08	1.30				23.34
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
Haul Soybeans	bu			1.00	Oct							45.0000	0.27	12.15	12.15
TOTALS						19.37	26.51	5.53	9.40	0.53	6.63			381.65	449.09
INTEREST ON OPERATING CAPITAL															5.42
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															454.51

Table 7.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, stale seedbed, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.29	6.72	7.21	7.79	8.48	9.30	10.30	11.55	13.17	15.32	18.33
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-270	-261	-250	-237	-221	-203	-180	-152	-116	-67	0
			-306	-297	-285	-272	-257	-239	-216	-188	-152	-103	-35
60	27.00	bu	-243	-232	-218	-203	-184	-162	-135	-101	-58	0	81
			-279	-268	-254	-239	-220	-198	-171	-137	-93	-35	45
70	31.50	bu	-216	-203	-187	-169	-147	-121	-90	-50	0	67	162
			-252	-239	-223	-205	-183	-157	-126	-86	-35	31	126
80	36.00	bu	-189	-174	-156	-135	-110	-81	-45	0	58	135	243
			-225	-210	-192	-171	-146	-117	-81	-35	22	99	207
90	40.50	bu	-162	-145	-125	-101	-73	-40	0	50	116	203	325
			-198	-181	-160	-137	-109	-76	-35	14	80	167	289
100	45.00	bu	-135	-116	-93	-67	-36	0	45	101	174	270	406
			-171	-152	-129	-103	-72	-35	9	65	138	235	370
110	49.50	bu	-108	-87	-62	-33	0	40	90	152	232	338	487
			-144	-122	-98	-69	-35	4	54	116	196	302	451
120	54.00	bu	-81	-58	-31	0	36	81	135	203	290	406	568
			-117	-93	-67	-35	1	45	99	167	254	370	533
130	58.50	bu	-54	-29	0	33	73	121	180	253	348	474	650
			-90	-64	-35	-2	37	86	144	218	312	438	614
140	63.00	bu	-27	0	31	67	110	162	225	304	406	541	731
			-63	-35	-4	31	74	126	189	268	370	505	695
150	67.50	bu	0	29	62	101	147	203	270	355	464	609	812
			-35	-6	26	65	111	167	235	319	428	573	776

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 7.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, stale seedbed, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.82	7.29	7.83	8.46	9.20	10.10	11.19	12.55	14.31	16.65	19.92
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-258	-248	-236	-222	-205	-185	-160	-129	-90	-37	35
			-294	-284	-272	-258	-241	-221	-196	-165	-126	-73	0
60	27.00	bu	-229	-216	-202	-185	-165	-141	-111	-74	-27	35	124
			-265	-252	-238	-221	-201	-176	-147	-110	-63	0	88
70	31.50	bu	-199	-185	-168	-148	-124	-96	-62	-19	35	109	212
			-235	-221	-204	-184	-160	-132	-98	-55	0	73	176
80	36.00	bu	-170	-153	-134	-111	-84	-52	-13	35	99	183	301
			-206	-189	-170	-147	-120	-88	-49	0	63	147	265
90	40.50	bu	-141	-122	-100	-74	-44	-8	35	91	162	257	389
			-176	-157	-136	-110	-80	-44	0	55	126	221	353
100	45.00	bu	-111	-90	-66	-37	-4	35	85	146	225	330	478
			-147	-126	-102	-73	-40	0	49	110	189	294	442
110	49.50	bu	-82	-58	-32	-0	35	80	134	201	288	404	566
			-117	-94	-68	-36	0	44	98	165	252	368	530
120	54.00	bu	-52	-27	1	35	76	124	183	257	351	478	655
			-88	-63	-34	0	40	88	147	221	315	442	619
130	58.50	bu	-23	4	35	72	116	168	232	312	415	551	743
			-58	-31	0	36	80	132	196	276	379	516	707
140	63.00	bu	6	35	69	109	156	212	281	367	478	625	832
			-29	0	34	73	120	176	245	331	442	589	796
150	67.50	bu	35	67	103	146	196	257	330	422	541	699	920
			0	31	68	110	160	221	294	387	505	663	884

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 8.A Estimated costs per Acre
Soybeans, RR, 12-row equipment, stale seedbed, irrigated, alluvial soils, Northeast Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	2.0000	14.00	_________
App by Air (3 gal)	appl	5.60	6.0000	33.60	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	_________
LA Potash	lb	0.58	50.0000	29.00	_________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	_________
Stratego	pt	77.00	0.6250	48.13	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	1.81	1.0000	1.81	_________
Valor WP	oz	4.38	2.0000	8.76	_________
Dual II Magnum	pt	15.00	1.0000	15.00	_________
Flexstar HL	pt	6.88	1.0000	6.88	_________
INSECTICIDES					
Brigade EC	pt	9.60	0.7500	7.20	_________
Prevathon	oz	1.05	16.0000	16.80	_________
Besiege	oz	1.95	10.0000	19.50	_________
Surfactant	pt	1.75	1.0000	1.75	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	50.0000	70.00	_________
SERVICE FEE					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
Digital Ag Fee	acre	8.50	1.0000	8.50	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	_________
OPERATOR LABOR					
Harvesters	hour	15.30	0.0851	1.30	_________
IRRIGATION LABOR					
Implements	hour	9.06	0.0062	0.06	_________
LA Hired Labor					
Implements	hour	11.88	0.0966	1.15	_________
Tractors	hour	11.88	0.6447	7.66	_________
LA Irrigation Labor					
Special Labor	hour	11.88	0.1500	1.79	_________
DIESEL FUEL					
Tractors	gal	2.84	6.4077	18.20	_________
Harvesters	gal	2.84	1.2047	3.42	_________
Roll-Out Pipe Irr.	gal	2.84	4.8877	13.86	_________
REPAIR & MAINTENANCE					
Implements	Acre	5.93	1.0000	5.93	_________
Tractors	Acre	4.15	1.0000	4.15	_________
Harvesters	Acre	3.47	1.0000	3.47	_________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_________
INTEREST ON OP. CAP.	Acre	5.91	1.0000	5.91	_________

TOTAL DIRECT EXPENSES				463.13	_________
FIXED EXPENSES					
Implements	Acre	10.48	1.0000	10.48	_________
Tractors	Acre	24.54	1.0000	24.54	_________
Harvesters	Acre	12.87	1.0000	12.87	_________
Roll-Out Pipe Irr.	Acre	45.43	1.0000	45.43	_________

TOTAL FIXED EXPENSES				93.32	_________

TOTAL SPECIFIED EXPENSES				556.45	_________

Table 8.B Estimated resource use and costs for field operations, per Acre
Soybeans, RR, 12-row equipment, stale seedbed, irrigated,
alluvial soils, Northeast Louisiana, 2022.

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---------		
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.10	2.36	0.82	0.86	0.07	0.92				7.06
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	2.85	3.21	1.21	2.39	0.07	0.83				10.49
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	1.66	1.84	0.06	0.14	0.04	0.58				4.28
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.00	2.25	0.63	1.56	0.04	0.59				7.03
Ditcher		2WD 130	0.020	1.00	Oct	0.45	0.41	0.05	0.06	0.02	0.24				1.21
App by Air (5 gal)	appl			1.00	Mar							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	1.81	1.81	1.81
Valor WP	oz											2.0000	4.38	8.76	8.76
Plant - Folding	12R-38	MFWD 190	0.049	1.00	May	1.70	1.88	1.56	2.77	0.09	1.18				9.09
Soybean Seed RR	lb											50.0000	1.40	70.00	70.00
Ditcher		2WD 130	0.020	1.00	May	0.45	0.41	0.05	0.06	0.02	0.24				1.21
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.27	1.28	0.20	0.23	0.06	0.75				3.73
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	15.00	15.00	15.00
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	6.88	6.88	6.88
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	2.72	16.32	16.32
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Besiege	oz											5.0000	1.95	9.75	9.75
Stratego	pt											0.6250	77.00	48.13	48.13
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (3 gal)	appl			1.00	Sep							1.0000	5.60	5.60	5.60
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	1.75	1.75	1.75
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	6.89	12.87	0.95	1.33	0.08	1.30				23.34
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
Haul Soybeans	bu			1.00	Oct							55.0000	0.27	14.85	14.85
Roll-Out Pipe Irr.	Acre				Jul	9.87	10.90	19.62	46.51	0.44	5.33	1.0000		7.92	100.15
TOTALS						29.24	37.41	25.15	55.91	0.98	11.96			390.87	550.54
INTEREST ON OPERATING CAPITAL															5.91
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															556.45

Table 8.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, stale seedbed, irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			5.70	6.09	6.54	7.06	7.67	8.42	9.32	10.45	11.91	13.85	16.56
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-298	-288	-275	-261	-244	-224	-199	-168	-128	-74	0
			-392	-381	-369	-354	-337	-317	-292	-261	-221	-168	-93
60	33.00	bu	-268	-256	-241	-224	-203	-179	-149	-112	-64	0	89
			-362	-349	-334	-317	-297	-272	-242	-205	-157	-93	-3
70	38.50	bu	-239	-224	-206	-186	-162	-134	-99	-56	0	74	179
			-332	-317	-300	-280	-256	-227	-192	-149	-93	-18	85
80	44.00	bu	-209	-192	-172	-149	-122	-89	-49	0	64	149	268
			-302	-285	-265	-242	-215	-182	-143	-93	-29	56	175
90	49.50	bu	-179	-160	-137	-112	-81	-44	0	56	128	224	358
			-272	-253	-231	-205	-174	-138	-93	-37	34	130	265
100	55.00	bu	-149	-128	-103	-74	-40	0	49	112	192	298	448
			-242	-221	-196	-168	-134	-93	-43	18	98	205	354
110	60.50	bu	-119	-96	-68	-37	0	44	99	168	256	373	537
			-212	-189	-162	-130	-93	-48	6	74	162	280	444
120	66.00	bu	-89	-64	-34	0	40	89	149	224	320	448	627
			-182	-157	-127	-93	-52	-3	56	130	226	354	534
130	71.50	bu	-59	-32	0	37	81	134	199	280	384	522	717
			-153	-125	-93	-55	-11	41	105	186	290	429	623
140	77.00	bu	-29	0	34	74	122	179	248	336	448	597	806
			-123	-93	-58	-18	28	85	155	242	354	504	713
150	82.50	bu	0	32	68	112	162	224	298	392	512	672	896
			-93	-61	-24	18	69	130	205	298	418	578	803

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 8.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, stale seedbed, irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.83	7.30	7.84	8.47	9.22	10.11	11.21	12.57	14.33	16.68	19.96
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-267	-254	-239	-222	-202	-177	-147	-109	-61	3	93
			-361	-348	-333	-315	-295	-270	-240	-203	-154	-90	0
60	33.00	bu	-231	-216	-198	-177	-152	-123	-87	-42	15	93	201
			-324	-309	-291	-270	-246	-216	-180	-135	-77	0	108
70	38.50	bu	-195	-177	-156	-132	-103	-69	-27	25	93	183	309
			-288	-270	-249	-225	-196	-162	-120	-67	0	90	216
80	44.00	bu	-159	-138	-114	-87	-54	-14	33	93	170	273	418
			-252	-232	-208	-180	-147	-108	-60	0	77	180	324
90	49.50	bu	-123	-100	-73	-42	-5	39	93	161	248	364	526
			-216	-193	-166	-135	-98	-54	0	67	154	270	433
100	55.00	bu	-87	-61	-31	3	44	93	153	228	325	454	634
			-180	-154	-124	-90	-49	0	60	135	232	361	541
110	60.50	bu	-51	-22	10	48	93	147	213	296	402	544	743
			-144	-116	-83	-45	0	54	120	203	309	451	649
120	66.00	bu	-14	15	51	93	142	201	273	364	480	634	851
			-108	-77	-41	0	49	108	180	270	386	541	758
130	71.50	bu	21	54	93	138	191	255	333	431	557	725	959
			-72	-38	0	45	98	162	240	338	464	631	866
140	77.00	bu	57	93	134	183	241	309	394	499	634	815	1068
			-36	0	41	90	147	216	300	406	541	722	974
150	82.50	bu	93	131	176	228	290	364	454	567	712	905	1176
			0	38	83	135	196	270	361	473	618	812	1083

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 9.A Estimated costs per Acre
Soybeans, RR, 12-row equipment, stale seedbed,
irrigated, Macon Ridge, Northeast Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	2.0000	14.00	_________
App by Air (3 gal)	appl	5.60	6.0000	33.60	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	_________
LA Potash	lb	0.58	50.0000	29.00	_________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	_________
Stratego	pt	77.00	0.6250	48.13	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	1.81	1.0000	1.81	_________
Valor WP	oz	4.38	2.0000	8.76	_________
Dual II Magnum	pt	15.00	1.0000	15.00	_________
Flexstar HL	pt	6.88	1.0000	6.88	_________
INSECTICIDES					
Brigade EC	pt	9.60	0.7500	7.20	_________
Prevathon	oz	1.05	16.0000	16.80	_________
Besiege	oz	1.95	10.0000	19.50	_________
Surfactant	pt	1.75	1.0000	1.75	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	50.0000	70.00	_________
SERVICE FEE					
Digital Ag Fee	acre	8.50	1.0000	8.50	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	50.0000	13.50	_________
OPERATOR LABOR					
Harvesters	hour	15.30	0.0851	1.30	_________
IRRIGATION LABOR					
Implements	hour	9.06	0.0062	0.06	_________
LA Hired Labor					
Implements	hour	11.88	0.0966	1.15	_________
Tractors	hour	11.88	0.6447	7.66	_________
LA Irrigation Labor					
Special Labor	hour	11.88	0.1500	1.79	_________
DIESEL FUEL					
Tractors	gal	2.84	6.4077	18.20	_________
Harvesters	gal	2.84	1.2047	3.42	_________
Roll-Out Pipe Irr.	gal	2.84	4.8877	13.86	_________
REPAIR & MAINTENANCE					
Implements	Acre	6.12	1.0000	6.12	_________
Tractors	Acre	4.15	1.0000	4.15	_________
Harvesters	Acre	3.47	1.0000	3.47	_________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_________
INTEREST ON OP. CAP.	Acre	5.79	1.0000	5.79	_________

TOTAL DIRECT EXPENSES				442.38	_________
FIXED EXPENSES					
Implements	Acre	10.69	1.0000	10.69	_________
Tractors	Acre	24.54	1.0000	24.54	_________
Harvesters	Acre	12.87	1.0000	12.87	_________
Roll-Out Pipe Irr.	Acre	45.43	1.0000	45.43	_________

TOTAL FIXED EXPENSES				93.53	_________

TOTAL SPECIFIED EXPENSES				535.91	_________

Table 9.B Estimated resource use and costs for field operations, per Acre
Soybeans, RR, 12-row equipment, stale seedbed,
irrigated, Macon Ridge, Northeast Louisiana, 2022.

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---------		
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.10	2.36	0.82	0.86	0.07	0.92				7.06
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	2.85	3.21	1.21	2.39	0.07	0.83				10.49
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	1.66	1.84	0.06	0.14	0.04	0.58				4.28
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.00	2.25	0.63	1.56	0.04	0.59				7.03
Ditcher		2WD 130	0.020	1.00	Oct	0.45	0.41	0.05	0.06	0.02	0.24				1.21
App by Air (5 gal)	appl			1.00	Mar							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	1.81	1.81	1.81
Valor WP	oz											2.0000	4.38	8.76	8.76
Plant - Folding	12R-38	MFWD 190	0.049	1.00	May	1.70	1.88	1.56	2.77	0.09	1.18				9.09
Soybean Seed RR	lb											50.0000	1.40	70.00	70.00
Ditcher		2WD 130	0.020	1.00	May	0.45	0.41	0.05	0.06	0.02	0.24				1.21
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.27	1.28	0.39	0.44	0.06	0.75				4.13
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	15.00	15.00	15.00
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	6.88	6.88	6.88
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	2.72	16.32	16.32
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Besiege	oz											5.0000	1.95	9.75	9.75
Stratego	pt											0.6250	77.00	48.13	48.13
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (3 gal)	appl			1.00	Sep							1.0000	5.60	5.60	5.60
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	1.75	1.75	1.75
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	6.89	12.87	0.95	1.33	0.08	1.30				23.34
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
Haul Soybeans	bu			1.00	Oct							50.0000	0.27	13.50	13.50
Roll-Out Pipe Irr.	Acre				Jul	9.87	10.90	19.62	46.51	0.44	5.33	1.0000		7.92	100.15
TOTALS						29.24	37.41	25.34	56.12	0.98	11.96			370.05	530.12
INTEREST ON OPERATING CAPITAL															5.79
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															535.91

Table 9.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, stale seedbed,
irrigated, Macon Ridge, Northeast Louisiana, 2022.

			BREAKEVEN PRICE									
Soybeans			5.98	6.39	6.86	7.41	8.06	8.84	9.80	10.99	12.52	14.56	17.42
PERCENT	YIELD	UNIT	dollars										
50	25.00	bu	-285	-275	-263	-250	-233	-214	-190	-160	-122	-71	0
			-379	-369	-357	-343	-327	-307	-284	-254	-216	-164	-93
60	30.00	bu	-257	-245	-230	-214	-194	-171	-142	-107	-61	0	85
			-350	-338	-324	-307	-288	-265	-236	-200	-154	-93	-7
70	35.00	bu	-228	-214	-197	-178	-155	-128	-95	-53	0	71	171
			-322	-307	-291	-272	-249	-222	-188	-147	-93	-22	77
80	40.00	bu	-200	-183	-164	-142	-116	-85	-47	0	61	142	257
			-293	-277	-258	-236	-210	-179	-141	-93	-32	49	163
90	45.00	bu	-171	-153	-131	-107	-77	-42	0	53	122	214	343
			-265	-246	-225	-200	-171	-136	-93	-39	28	120	249
100	50.00	bu	-142	-122	-98	-71	-38	0	47	107	183	285	428
			-236	-216	-192	-164	-132	-93	-45	13	90	192	335
110	55.00	bu	-114	-91	-65	-35	0	42	95	160	245	357	514
			-207	-185	-159	-129	-93	-50	1	67	151	263	421
120	60.00	bu	-85	-61	-32	0	38	85	142	214	306	428	600
			-179	-154	-126	-93	-54	-7	49	120	212	335	506
130	65.00	bu	-57	-30	0	35	77	128	190	268	367	500	686
			-150	-124	-93	-57	-15	35	97	174	274	406	592
140	70.00	bu	-28	0	32	71	116	171	238	321	428	571	771
			-122	-93	-60	-22	23	77	144	228	335	478	678
150	75.00	bu	0	30	65	107	155	214	285	375	490	643	857
			-93	-62	-27	13	62	120	192	281	396	549	764

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 9.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, stale seedbed,
irrigated, Macon Ridge, Northeast Louisiana, 2022.

			BREAKEVEN PRICE									
Soybeans			7.23	7.73	8.30	8.97	9.76	10.71	11.87	13.32	15.19	17.68	21.16
PERCENT	YIELD	UNIT	dollars										
50	25.00	bu	-254	-242	-227	-211	-191	-167	-138	-102	-55	6	93
			-348	-335	-321	-304	-284	-261	-232	-195	-149	-87	0
60	30.00	bu	-219	-204	-187	-167	-143	-115	-80	-37	18	93	197
			-313	-298	-281	-261	-237	-208	-174	-130	-74	0	104
70	35.00	bu	-185	-167	-147	-124	-96	-63	-22	28	93	180	302
			-278	-261	-241	-217	-189	-156	-116	-65	0	87	208
80	40.00	bu	-150	-130	-107	-80	-48	-10	35	93	168	267	406
			-243	-223	-200	-174	-142	-104	-58	0	74	174	313
90	45.00	bu	-115	-93	-67	-37	-1	41	93	158	242	354	511
			-208	-186	-160	-130	-94	-52	0	65	149	261	417
100	50.00	bu	-80	-55	-27	6	46	93	151	224	317	441	615
			-174	-149	-120	-87	-47	0	58	130	223	348	522
110	55.00	bu	-45	-18	13	50	93	145	209	289	392	528	720
			-139	-111	-80	-43	0	52	116	195	298	435	626
120	60.00	bu	-10	18	53	93	141	197	267	354	466	615	824
			-104	-74	-40	0	47	104	174	261	373	522	731
130	65.00	bu	23	56	93	137	188	250	325	419	541	702	929
			-69	-37	0	43	94	156	232	326	447	609	835
140	70.00	bu	58	93	133	180	235	302	383	485	615	789	1033
			-34	0	40	87	142	208	290	391	522	696	940
150	75.00	bu	93	130	173	224	283	354	441	550	690	877	1138
			0	37	80	130	189	261	348	457	596	783	1044

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 10.A Estimated costs per Acre
Soybeans, RR, 12-row equipment, 38-inch rows, non-irrigated, alluvial soils, Northeast Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	3.0000	21.00	_________
App by Air (3 gal)	appl	5.60	5.0000	28.00	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	_________
LA Potash	lb	0.58	50.0000	29.00	_________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	_________
Stratego	pt	77.00	0.6250	48.13	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	1.81	1.0000	1.81	_________
Valor WP	oz	4.38	2.0000	8.76	_________
Dual II Magnum	pt	15.00	1.0000	15.00	_________
Flexstar HL	pt	6.88	1.0000	6.88	_________
INSECTICIDES					
Brigade EC	pt	9.60	0.7500	7.20	_________
Prevathon	oz	1.05	16.0000	16.80	_________
Besiege	oz	1.95	10.0000	19.50	_________
Surfactant	pt	1.75	1.0000	1.75	_________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	50.0000	70.00	_________
SERVICE FEE					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
Digital Ag Fee	acre	8.50	1.0000	8.50	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_________
OPERATOR LABOR					
Harvesters	hour	15.30	0.0851	1.30	_________
LA Hired Labor					
Implements	hour	11.88	0.1124	1.34	_________
Tractors	hour	11.88	0.2946	3.50	_________
DIESEL FUEL					
Tractors	gal	2.84	2.8077	7.98	_________
Harvesters	gal	2.84	1.2047	3.42	_________
REPAIR & MAINTENANCE					
Implements	Acre	4.70	1.0000	4.70	_________
Tractors	Acre	1.79	1.0000	1.79	_________
Harvesters	Acre	3.47	1.0000	3.47	_________
INTEREST ON OP. CAP.	Acre	5.42	1.0000	5.42	_________
TOTAL DIRECT EXPENSES				414.57	_________
FIXED EXPENSES					
Implements	Acre	8.21	1.0000	8.21	_________
Tractors	Acre	10.56	1.0000	10.56	_________
Harvesters	Acre	12.87	1.0000	12.87	_________
TOTAL FIXED EXPENSES				31.64	_________
TOTAL SPECIFIED EXPENSES				446.21	_________

Table 10.B Estimated resource use and costs for field operations, per Acre
Soybeans, RR, 12-row equipment, 38-inch rows, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

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---------		
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.10	2.36	0.82	0.86	0.07	0.92				7.06
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	1.60	1.77	0.51	2.00	0.04	0.55				6.43
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	1.66	1.84	0.06	0.14	0.04	0.58				4.28
Ditcher		2WD 130	0.020	1.00	Oct	0.45	0.41	0.05	0.06	0.02	0.24				1.21
App by Air (5 gal)	appl			1.00	Mar							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	1.81	1.81	1.81
Valor WP	oz											2.0000	4.38	8.76	8.76
NT Plant-Rigid	12R-30	MFWD 190	0.065	1.00	May	2.24	2.49	1.87	3.32	0.13	1.56				11.48
Soybean Seed RR	lb											50.0000	1.40	70.00	70.00
Ditcher		2WD 130	0.020	1.00	May	0.45	0.41	0.05	0.06	0.02	0.24				1.21
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.27	1.28	0.39	0.44	0.06	0.75				4.13
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	15.00	15.00	15.00
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	6.88	6.88	6.88
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	2.72	16.32	16.32
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Besiege	oz											5.0000	1.95	9.75	9.75
Stratego	pt											0.6250	77.00	48.13	48.13
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (5 gal)	appl			1.00	Sep							1.0000	7.00	7.00	7.00
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	1.75	1.75	1.75
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	6.89	12.87	0.95	1.33	0.08	1.30				23.34
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
Haul Soybeans	bu			1.00	Oct							45.0000	0.27	12.15	12.15
TOTALS						16.66	23.43	4.70	8.21	0.49	6.14			381.65	440.79
INTEREST ON OPERATING CAPITAL															5.42
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															446.21

Table 10.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, 38-inch rows, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.23	6.65	7.14	7.72	8.39	9.21	10.20	11.44	13.04	15.17	18.15
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-268	-258	-247	-234	-219	-201	-178	-150	-114	-67	0
			-299	-290	-279	-266	-251	-232	-210	-182	-146	-98	-31
60	27.00	bu	-241	-229	-216	-201	-182	-160	-134	-100	-57	0	80
			-273	-261	-248	-232	-214	-192	-165	-132	-89	-31	48
70	31.50	bu	-214	-201	-185	-167	-146	-120	-89	-50	0	67	160
			-246	-232	-217	-199	-177	-152	-121	-81	-31	35	129
80	36.00	bu	-187	-172	-154	-134	-109	-80	-44	0	57	134	241
			-219	-204	-186	-165	-141	-112	-76	-31	25	102	209
90	40.50	bu	-160	-143	-123	-100	-73	-40	0	50	114	201	321
			-192	-175	-155	-132	-104	-71	-31	18	83	169	290
100	45.00	bu	-134	-114	-92	-67	-36	0	44	100	172	268	402
			-165	-146	-124	-98	-68	-31	13	68	140	236	370
110	49.50	bu	-107	-86	-61	-33	0	40	89	150	229	335	482
			-138	-117	-93	-65	-31	8	57	119	198	303	451
120	54.00	bu	-80	-57	-30	0	36	80	134	201	287	402	563
			-112	-89	-62	-31	4	48	102	169	255	370	531
130	58.50	bu	-53	-28	0	33	73	120	178	251	344	469	643
			-85	-60	-31	1	41	89	147	219	313	437	612
140	63.00	bu	-26	0	30	67	109	160	223	301	402	536	724
			-58	-31	-0	35	78	129	191	270	370	504	692
150	67.50	bu	0	28	61	100	146	201	268	352	459	603	804
			-31	-2	30	68	114	169	236	320	428	571	773

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 10.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, 38-inch rows, non-irrigated,
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.70	7.16	7.69	8.30	9.03	9.91	10.98	12.32	14.04	16.34	19.56
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-257	-247	-235	-221	-205	-185	-161	-131	-92	-40	31
			-289	-278	-267	-253	-236	-216	-192	-162	-123	-72	0
60	27.00	bu	-228	-216	-202	-185	-165	-141	-113	-76	-30	31	118
			-260	-247	-233	-216	-197	-173	-144	-108	-61	0	86
70	31.50	bu	-199	-185	-168	-149	-126	-98	-64	-22	31	103	205
			-231	-216	-200	-180	-157	-130	-96	-54	0	72	173
80	36.00	bu	-170	-154	-135	-113	-86	-55	-16	31	93	176	292
			-202	-185	-166	-144	-118	-86	-48	0	61	144	260
90	40.50	bu	-141	-123	-101	-76	-47	-11	31	85	155	248	378
			-173	-154	-133	-108	-78	-43	0	54	123	216	347
100	45.00	bu	-113	-92	-68	-40	-7	31	79	140	217	320	465
			-144	-123	-100	-72	-39	0	48	108	185	289	433
110	49.50	bu	-84	-61	-35	-4	31	75	128	194	279	393	552
			-115	-92	-66	-36	0	43	96	162	247	361	520
120	54.00	bu	-55	-30	-1	31	71	118	176	248	341	465	639
			-86	-61	-33	0	39	86	144	216	309	433	607
130	58.50	bu	-26	0	31	67	110	161	224	302	403	537	726
			-57	-30	0	36	78	130	192	271	371	506	694
140	63.00	bu	2	31	65	103	150	205	272	357	465	610	812
			-28	0	33	72	118	173	241	325	433	578	781
150	67.50	bu	31	62	98	140	189	248	320	411	527	682	899
			0	30	66	108	157	216	289	379	495	650	867

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 11.A Estimated costs per Acre
Soybeans, RR, 12-row equipment, 38-inch rows, irrigated
alluvial soils, Northeast Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.00	3.0000	21.00	________
App by Air (3 gal)	appl	5.60	5.0000	28.00	________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	________
FERTILIZERS					
LA Phosphate	lb	0.65	50.0000	32.50	________
LA Potash	lb	0.58	50.0000	29.00	________
FUNGICIDES					
Quadris	oz	2.72	6.0000	16.32	________
Stratego	pt	77.00	0.6250	48.13	________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	________
2,4-D Amine 4	pt	1.81	1.0000	1.81	________
Valor WP	oz	4.38	2.0000	8.76	________
Dual II Magnum	pt	15.00	1.0000	15.00	________
Flexstar HL	pt	6.88	1.0000	6.88	________
INSECTICIDES					
Brigade EC	pt	9.60	0.7500	7.20	________
Prevathon	oz	1.05	16.0000	16.80	________
Besiege	oz	1.95	10.0000	19.50	________
Surfactant	pt	1.75	1.0000	1.75	________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	________
SEED/PLANTS					
Soybean Seed RR	lb	1.40	50.0000	70.00	________
SERVICE FEE					
Lime (Spread)	ton	59.00	0.3300	19.47	________
Digital Ag Fee	acre	8.50	1.0000	8.50	________
Soil Test	acre	10.00	0.3300	3.30	________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	________
OPERATOR LABOR					
Harvesters	hour	15.30	0.0851	1.30	________
IRRIGATION LABOR					
Implements	hour	9.06	0.0062	0.06	________
LA Hired Labor					
Implements	hour	11.88	0.0986	1.17	________
Tractors	hour	11.88	0.5739	6.81	________
LA Irrigation Labor					
Special Labor	hour	11.88	0.1500	1.79	________
DIESEL FUEL					
Tractors	gal	2.84	5.5004	15.63	________
Harvesters	gal	2.84	1.2047	3.42	________
Roll-Out Pipe Irr.	gal	2.84	4.8877	13.86	________
REPAIR & MAINTENANCE					
Implements	Acre	4.91	1.0000	4.91	________
Tractors	Acre	3.54	1.0000	3.54	________
Harvesters	Acre	3.47	1.0000	3.47	________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	________
INTEREST ON OP. CAP.	Acre	5.90	1.0000	5.90	________
TOTAL DIRECT EXPENSES				459.49	________
FIXED EXPENSES					
Implements	Acre	9.07	1.0000	9.07	________
Tractors	Acre	20.93	1.0000	20.93	________
Harvesters	Acre	12.87	1.0000	12.87	________
Roll-Out Pipe Irr.	Acre	45.43	1.0000	45.43	________
TOTAL FIXED EXPENSES				88.30	________
TOTAL SPECIFIED EXPENSES				547.79	________

Table 11.B Estimated resource use and costs for field operations, per Acre
Soybeans, RR, 12-row equipment, 38-inch rows, irrigated
alluvial soils, Northeast Louisiana, 2022.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT		EQUIPMENT COST DIRECT		ALLOC LABOR HOURS		OPERATING/DURABLE INPUT AMOUNT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						------------dollars-----------					dollars		---------dollars---------		
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.10	2.36	0.82	0.86	0.07	0.92				7.06
LA Phosphate	lb											50.0000	0.65	32.50	32.50
LA Potash	lb											50.0000	0.58	29.00	29.00
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	1.60	1.77	0.51	2.00	0.04	0.55				6.43
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	1.66	1.84	0.06	0.14	0.04	0.58				4.28
Ditcher		2WD 130	0.020	1.00	Oct	0.45	0.41	0.05	0.06	0.02	0.24				1.21
App by Air (5 gal)	appl			1.00	Mar							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	1.81	1.81	1.81
Valor WP	oz											2.0000	4.38	8.76	8.76
NT Plant-Folding	12R-38	MFWD 190	0.051	1.00	May	1.77	1.96	1.87	3.31	0.10	1.22				10.13
Soybean Seed RR	lb											50.0000	1.40	70.00	70.00
Ditcher		2WD 130	0.020	1.00	May	0.45	0.41	0.05	0.06	0.02	0.24				1.21
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.27	1.28	0.20	0.23	0.06	0.75				3.73
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	15.00	15.00	15.00
App by Air (5 gal)	appl			1.00	Jun							1.0000	7.00	7.00	7.00
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	6.88	6.88	6.88
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	2.72	16.32	16.32
App by Air (3 gal)	appl			1.00	Jul							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Besiege	oz											5.0000	1.95	9.75	9.75
Stratego	pt											0.6250	77.00	48.13	48.13
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	1.95	9.75	9.75
App by Air (3 gal)	appl			1.00	Aug							1.0000	5.60	5.60	5.60
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (5 gal)	appl			1.00	Sep							1.0000	7.00	7.00	7.00
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	1.75	1.75	1.75
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	6.89	12.87	0.95	1.33	0.08	1.30				23.34
Digital Ag Fee	acre			1.00	Oct							1.0000	8.50	8.50	8.50
Soil Test	acre											0.3300	10.00	3.30	3.30
Haul Soybeans	bu			1.00	Oct							55.0000	0.27	14.85	14.85
Roll-Out Pipe Irr.	Acre				Jul	9.87	10.90	19.62	46.51	0.44	5.33	1.0000		7.92	100.15
TOTALS						26.06	33.80	24.13	54.50	0.91	11.13			392.27	541.89
INTEREST ON OPERATING CAPITAL															5.90
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															547.79

Table 11.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, 38-inch rows, irrigated
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			5.66	6.04	6.48	7.00	7.61	8.35	9.25	10.37	11.81	13.74	16.43
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-296	-285	-273	-259	-242	-222	-197	-166	-127	-74	0
			-384	-374	-361	-347	-330	-310	-285	-255	-215	-162	-88
60	33.00	bu	-266	-254	-239	-222	-202	-177	-148	-111	-63	0	88
			-355	-342	-327	-310	-290	-266	-236	-199	-151	-88	0
70	38.50	bu	-237	-222	-205	-185	-161	-133	-98	-55	0	74	177
			-325	-310	-293	-273	-249	-221	-187	-143	-88	-14	89
80	44.00	bu	-207	-190	-170	-148	-121	-88	-49	0	63	148	266
			-295	-278	-259	-236	-209	-177	-137	-88	-24	59	178
90	49.50	bu	-177	-158	-136	-111	-80	-44	0	55	127	222	355
			-266	-247	-225	-199	-169	-132	-88	-32	38	133	267
100	55.00	bu	-148	-127	-102	-74	-40	0	49	111	190	296	444
			-236	-215	-190	-162	-128	-88	-38	22	102	208	356
110	60.50	bu	-118	-95	-68	-37	0	44	98	166	254	370	533
			-206	-183	-156	-125	-88	-43	10	78	165	282	445
120	66.00	bu	-88	-63	-34	0	40	88	148	222	317	444	622
			-177	-151	-122	-88	-47	0	59	133	229	356	534
130	71.50	bu	-59	-31	0	37	80	133	197	277	381	518	711
			-147	-120	-88	-51	-7	45	109	189	292	430	622
140	77.00	bu	-29	0	34	74	121	177	246	333	444	592	800
			-117	-88	-54	-14	32	89	158	245	356	504	711
150	82.50	bu	0	31	68	111	161	222	296	388	508	666	889
			-88	-56	-19	22	73	133	208	300	419	578	800

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Table 11.D Breakeven price above total expenses and net returns for price/yield combinations, per Acre
Soybeans, RR, 12-row equipment, 38-inch rows, irrigated
alluvial soils, Northeast Louisiana, 2022.

			BREAKEVEN PRICE										
Soybeans			6.73	7.19	7.72	8.34	9.07	9.95	11.03	12.38	14.11	16.41	19.64
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-266	-254	-239	-222	-202	-178	-148	-111	-63	-0	88
			-355	-342	-327	-310	-290	-266	-236	-199	-152	-88	0
60	33.00	bu	-231	-216	-198	-178	-153	-124	-89	-44	12	88	194
			-319	-304	-286	-266	-242	-213	-177	-133	-76	0	106
70	38.50	bu	-195	-178	-157	-133	-105	-71	-30	21	88	177	301
			-284	-266	-245	-222	-193	-159	-118	-66	0	88	213
80	44.00	bu	-160	-140	-116	-89	-57	-18	29	88	164	265	408
			-248	-228	-204	-177	-145	-106	-59	0	76	177	319
90	49.50	bu	-124	-102	-75	-44	-8	35	88	154	240	354	514
			-213	-190	-163	-133	-96	-53	0	66	152	266	426
100	55.00	bu	-89	-63	-34	-0	39	88	147	221	316	443	621
			-177	-152	-122	-88	-48	0	59	133	228	355	532
110	60.50	bu	-53	-25	6	43	88	141	206	288	392	532	727
			-142	-114	-81	-44	0	53	118	199	304	444	639
120	66.00	bu	-18	12	47	88	136	194	265	354	468	621	834
			-106	-76	-40	0	48	106	177	266	380	532	745
130	71.50	bu	17	50	88	132	185	248	325	421	545	709	940
			-71	-38	0	44	96	159	236	333	456	621	852
140	77.00	bu	52	88	129	177	233	301	384	487	621	798	1047
			-35	0	40	88	145	213	296	399	532	710	959
150	82.50	bu	88	126	170	221	282	354	443	554	697	887	1154
			0	38	81	133	193	266	355	466	608	799	1065

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.

Appendix Table 1 Estimated costs per Acre
Poly pipe irrigation system, 160 acres
applying 10.5 inches in three applications Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
IRRIGATION LABOR					
Implements	hour	9.06	0.0062	0.06	_________
LA Hired Labor					
Tractors	hour	11.88	0.2930	3.48	_________
LA Irrigation Labor					
Special Labor	hour	11.88	0.1500	1.79	_________
DIESEL FUEL					
Tractors	gal	2.84	2.8274	8.03	_________
Engine, RPF, 75	gal	2.84	8.5535	24.30	_________
REPAIR & MAINTENANCE					
Implements	Acre	0.40	1.0000	0.40	_________
Tractors	Acre	1.84	1.0000	1.84	_________
Well & Pump, Furrow	each	472.80	0.0062	2.96	_________
Engine, RPF, 75	ac-in	0.39	10.5000	4.20	_________
INTEREST ON OP. CAP.	Acre	0.65	1.0000	0.65	_________

TOTAL DIRECT EXPENSES				55.63	_________
FIXED EXPENSES					
Implements	Acre	1.08	1.0000	1.08	_________
Tractors	Acre	10.90	1.0000	10.90	_________
Well & Pump, Furrow	each	1261.03	0.0062	7.88	_________
Main Line Pipe	each	697.09	0.0062	4.36	_________
Land Forming ($300)	each	24.96	1.0000	24.96	_________
Engine, RPF, 75	each	1317.11	0.0062	8.23	_________

TOTAL FIXED EXPENSES				57.41	_________

TOTAL SPECIFIED EXPENSES				113.04	

Appendix Table 2 Estimated costs per Acre
Center pivot irrigation system, 1/4 mile
applying 7.5 inches in three applications Louisiana, 2022.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
LA Hired Labor					
Special Labor	hour	11.88	0.2036	2.42	_________
DIESEL FUEL					
Engine, 1/4 CP, 65	gal	2.84	11.2011	31.80	_________
REPAIR & MAINTENANCE					
Well & Pump, 1/4 CP	each	472.80	0.0074	3.50	_________
Engine, 1/4 CP, 65	ac-in	0.66	7.5000	4.97	_________
Pivot, 1/4 CP	1320'	1820.00	0.0074	13.48	_________
INTEREST ON OP. CAP.	Acre	0.76	1.0000	0.76	_________

TOTAL DIRECT EXPENSES				56.93	_________
FIXED EXPENSES					
Well & Pump, 1/4 CP	each	1261.03	0.0074	9.34	_________
Engine, 1/4 CP, 65	each	1317.11	0.0074	9.76	_________
Pivot, 1/4 CP	each	6695.93	0.0074	49.60	_________

TOTAL FIXED EXPENSES				68.70	_________

TOTAL SPECIFIED EXPENSES				125.63	_________

Appendix Table 3. Operating Inputs: Estimated Prices for 2022.

ITEM NAME	UNIT	PRICE
		dollars
CUSTOM HARVEST/HAUL		
Haul Cotton	lb	0.02
Haul Rice	bu	0.35
Haul Rice (cwt)	cwt	0.25
Haul Soybeans	bu	0.27
Haul Wheat	bu	0.26
LARice Haul	cwt	0.30
CUSTOM PLANT		
Custom Spread + Seed	appl	0.00
LARice Air Plant SW	cwt	5.60
Plant by Air	cwt	7.00
CUSTOM SPRAY		
App 2,4-D Helicopter	appl	0.00
App by Air (1 gal)	appl	2.50
App by Air (2 gal)	appl	4.00
App by Air (3 gal)	appl	5.60
App by Air (5 gal)	appl	7.00
App by Air (10 gal)	appl	9.30
App Furadan by Air	appl	0.00
App Ordram by Air	appl	0.00
Custom Apply	acre	7.50
Custom Terragator	acre	5.00
LARice GPS Charge-SW	acre	0.35
LARice GPS Charge_NE	acre	0.25
Spray Levees, 4whlr	acre	0.00
FERTILIZERS		
Amm Nitrate (34% N)	cwt	22.50
Amm Sulfate (21% N)	cwt	19.88
Anhy Ammonia (82% N)	cwt	28.00
Boron (Solubor)	lb	0.75
Crop Oil (Seed Oil)	pt	2.86
DAP	cwt	35.88
Fert 0-20-20	cwt	0.00
Fert 10-10-10	cwt	0.00
Fert 10-34-0	cwt	31.50
Fert 10-34-0	gal	3.68
Fert 13-13-13	cwt	0.00
Fert 41-0-0-4	cwt	18.22
Fert 5-20-20	cwt	0.00
LA Nitrogen	lb	0.76
LA Phosphate	lb	0.65
LA Potash	lb	0.58
Phosphorus(46% P2O5)	cwt	23.75
Potash (60% K2O)	cwt	20.00
Sulfur	lb	0.34
UAN (32% N)	cwt	19.00
UAN + Sulfur (28% N)	cwt	14.49
Urea, Solid (46% N)	cwt	28.63
Zinc	lb	0.50
FUNGICIDES		
Apron Maxx RTA	oz	0.84
Apron XL	oz	6.98
Apron XL LS	oz	5.27
Benlate 50 WP	lb	15.95
Captan 4L	pt	2.83
Captan 50 WP	lb	6.59
Crop Oil (Petroleum)	pt	2.86
Cruiser 5FS	oz	0.90
Delta Coat AD	oz	3.75
Dithane F-45	qt	7.81
Dithane Rainsheild	lb	4.08
Fungicide	lb	2.82
Gem 25 WG	oz	3.70
Manzate 75 DF	lb	4.86
Manzate Flowable	pt	4.60
Moncut 70 DF	lb	32.81
Orbit	oz	2.75
Prevail	lb	28.50
Quadris	oz	2.72
Ridomil GoldPC 10G	lb	2.08

Appendix Table 3. Operating inputs: estimated prices Louisiana, 2022.

ITEM NAME	UNIT	PRICE
		dollars
Ridomil Gold PC	lb	5.30
Ridomil Gold PC Liq	oz	6.42
Rovral 4F	pt	14.90
Rovral WG	lb	0.00
Shelter	oz	8.50
Stiletto	oz	0.58
Stratego	pt	77.00
Terrachlor Flowable	pt	4.74
Terraclor 2EC	pt	1.87
Terraclor Super X EC	pt	3.95
Terraclor Super X G	lb	2.82
Tilt 3.6 EC	oz	0.90
Vitavax 200	oz	0.47
Vitavax M Flowable	oz	1.06
Vitavax RTU-Thiram	oz	0.40
Vitavax T-L	oz	0.29
GIN/DRY		
Dry Corn	bu	0.19
Dry Grain Sorghum	cwt	0.25
Dry Rice	bu	0.40
Dry Rice (cwt)	cwt	0.90
Gin	lb	0.11
LARice Dry	cwt	0.90
GROWTH REGULATORS		
Early Harvest PGR	oz	1.55
LA Polado	oz	0.39
Mepex	oz	0.09
PGR IV	oz	1.55
Pix Plus	oz	0.40
Pix Ultra	oz	0.21
HARVEST AIDS		
Accelerate	pt	2.59
Ammonium Sulfate	lb	0.24
Boll'd	pt	3.84
CottonQuik	pt	6.06
Def 6	pt	7.50
Def/Folex	pt	7.50
Dropp 50 WP	lb	45.45
Dropp SC	oz	1.56
Ethephon 6E	pt	3.89
Finish 6	pt	11.74
Folex 6EC	pt	11.74
Ginstar EC	pt	27.59
Gramoxone Extra	pt	4.86
Gramoxone Inteon	oz	0.19
Gramoxone Max	pt	4.16
Harvade 5F	oz	0.67
Leafless	pt	18.56
Prep	pt	3.84
Sodium Chlorate 3L	gal	3.50
Solium Chlorate 6L	gal	6.77
Starfire	pt	0.00
HERBICIDES		
2,4-D Amine 4	pt	1.81
2,4-D Ester	pt	2.41
AAtrex 4L	pt	1.90
AAtrex NINE-O	lb	3.96
Accent Gold	oz	6.12
Accent SP	oz	36.25
Aim 2EC	oz	5.31
Aim DF	oz	9.65
App Fert by Air	cwt	7.00
Arrosolo	qt	7.88
Assure II	oz	0.74
Atrazine 4L	pt	2.25
Atrazine 90DF	lb	3.36
Authority 75DF	lb	26.95
Axiom 68DF	lb	25.74
Backdraft	pt	2.40
Banvel	pt	4.81
Basagran	pt	5.43
Basis Gold	lb	9.00

Appendix Table 3. Operating inputs: estimated prices Louisiana, 2022.

ITEM NAME	UNIT	PRICE
		dollars
Beacon 75% WSP	oz	34.87
Beyond	oz	4.48
Bicep II Magnum	qt	11.01
Bicep II zmsgnum	qt	10.97
Bladex 4L	qt	0.00
Bladex 90DF	lb	0.00
Blazer 2L	pt	0.00
Blazer Ultra	pt	9.79
Boa	pt	3.63
Bolero 8EC	pt	7.73
Boundary	pt	11.07
Buctril 4EC	pt	17.06
Butoxone 175(2,4-DB)	pt	3.24
Butoxone 200(2,4-DB)	pt	3.92
Butyrac 175 (2,4-DB)	pt	3.29
Butyrac 200 (2,4-DB)	pt	2.90
Canopy 75%	oz	2.91
Canopy XL	oz	2.91
Caparol 4L	pt	4.87
Caparol Accu-Pak	lb	0.00
Celebrity Plus	lb	84.50
Clarity	pt	11.00
Classic	oz	12.00
Clincher EC	oz	2.09
Cobra 2EC	oz	1.23
Command 3ME	pt	18.50
Command XTRA	pt	0.00
Conclude Ultra	pt	0.00
Conclude Ultra	pt	0.00
Conclude XACT	pt	11.32
Conclude XTRA	pt	8.32
Cornerstone	pt	2.50
Cotoran 4L	pt	5.75
Cotoran DF	lb	7.92
Cotton Pro Flowable	pt	3.75
Crossbow	pt	8.05
Cy-Pro 4L	qt	0.00
Cypro 90DF	lb	0.00
Delta Goal	pt	9.44
Denim 0.16 EC	pt	24.06
Detail	pt	7.99
Direx 4L	pt	3.02
Direx 80 DF	lb	6.20
Diuron 4L	pt	3.50
Diuron 80 DF	lb	5.09
Domain 60DF	lb	12.75
DSMA 4	pt	0.90
Dual 8E	pt	0.00
Dual II Magnum	pt	15.00
Dual Magnum	pt	10.02
Duet	pt	6.22
Evik DF 80W	lb	11.22
Exceed	oz	10.71
Exceed Custom Pak	oz	11.50
Expert	pt	4.39
Facet 75DF	lb	50.00
First Rate	oz	42.57
Flexstar HL	pt	6.88
FloMet 4L	pt	4.74
Freedom	qt	2.51
Front Row	oz	21.92
Frontier 6.0	oz	0.63
Fultime	pt	6.29
Fusilade DX	oz	1.15
Fusion	pt	29.86
Glyfos	pt	1.80
Glyphomax	pt	3.49
Glyphosate Plus 4L	pt	4.95
Glystar Plus	pt	2.17
Goal 2XL	pt	8.69
Gramoxone Extra	pt	0.00
Gramoxone Max	pt	3.00
Gramoxone Max	pt	3.00

Appendix Table 3. Operating inputs: estimated prices Louisiana, 2022.

ITEM NAME	UNIT	PRICE
		dollars
Grandstand R	qt	17.79
Guardsman	pt	4.66
Guardsman Max	pt	7.22
Harmony Extra	oz	12.02
Hoelon 3EC	pt	11.03
Karmex DF	lb	5.93
LA Asulox/Asulam	gal	44.00
LA Weedmaster	qt	4.63
Lariat	qt	7.58
Lasso 4EC	qt	6.60
Lasso II 15G	lb	0.00
Layby Pro	qt	12.50
Lexone 75DF	lb	18.90
Liberty	pt	8.84
Lightning	oz	14.25
Lightning	oz	14.25
Linex 4L	pt	9.28
Londax 60DF	oz	18.08
Lorox 50DF	lb	24.12
Matador	pt	0.00
MSMA 6.6	pt	3.86
MSMA6 + Surfactant	pt	3.86
Newpath 2SL	oz	3.83
Ordram 15-G	lb	1.34
Ordram 8-E	pt	9.42
Outlook	pt	17.66
Pendimax 3.3	pt	2.47
Permit 75DF	oz	15.00
Poast 1.53	pt	12.77
Poast Plus	pt	9.69
Propanil 4E	qt	5.15
Prowl 3.3 EC	pt	3.75
Pursuit DG	oz	11.59
Pursuit Plus EC	pt	7.10
Python WDG	oz	15.10
Raptor	oz	4.38
Reflex 2LC	pt	6.71
Regiment 80WP	oz	4.38
Remedy	pt	8.45
Resource .86EC	pt	26.88
Ricestar	pt	24.35
Roundup Original	pt	6.00
Roundup Original Max	oz	0.38
Roundup Power Max	pt	6.25
Roundup Ultra MAX	pt	5.97
Roundup Ultra Dry	lb	6.14
Roundup WeatherMax	oz	0.19
Scepter 70 DG	oz	4.64
Select 2EC	oz	0.69
Sencor 4F	pt	14.74
Sencor DF	lb	14.50
Squadron CE	pt	12.50
Stam 4E	qt	7.72
Stam 80 EDF	lb	9.45
Staple 85%	oz	16.01
Staple Plus	oz	8.55
Steadfast	oz	12.26
Steel	pt	10.28
Storm	pt	11.16
Strongarm	oz	56.42
Superwham	qt	8.61
Suprend	lb	13.52
Surpass 20G	lb	2.36
Surpass EC	qt	26.36
Touchdown	qt	10.21
Touchdown 4 IQ	pt	3.33
Touchdown Total	qt	10.21
Treflan HFP	pt	2.50
Treflan TR-10	lb	1.10

Appendix Table 3. Operating inputs: estimated prices Louisiana, 2022.

ITEM NAME	UNIT	PRICE
		dollars
Tri-Scept	pt	5.24
Trifluralin 4EC	pt	3.68
Trilin 10G	lb	0.79
Trilin 4EC	pt	2.12
Typhoon	qt	13.06
Valor WP	oz	4.38
Whip 360	pt	25.08
Zorial Rapid 80DF	lb	14.10
INSECTICIDES		
Acephate 80SP	lb	0.00
Acephate 90SP	lb	8.58
Admire 2 Flowable	oz	4.78
Ammo 2.5 EC	oz	0.85
App Fert by Air(Min)	appl	7.50
Asana .66 XL	oz	0.63
Aztec 2.1% G	lb	3.88
Baythroid 2	oz	2.58
Besiege	oz	1.95
Bidrin 8L	oz	1.33
Brigade EC	pt	9.60
Brigade WSB	lb	26.04
Capture 2EC	oz	2.28
Carbamate	oz	0.00
Centric 40WG	oz	5.08
Comite	pt	8.45
Condor XL	pt	0.00
Confirm 2F	oz	1.88
Counter 15G	lb	4.51
Counter CR	lb	2.65
Curacron 8E	pt	10.75
Custom Apply Fert	acre	7.00
Decis 1.5EC	oz	2.84
Declare	pt	4.08
Denim 0.16EC	pt	32.63
Di-Syston 15G	lb	3.48
Di-Syston 8	pt	14.32
Diamond .83EC	pt	19.52
Dimethoate 4E	pt	5.65
Dimilin 2L	oz	1.70
Dipel DF	lb	13.13
Dipel ES	pt	4.89
Force 3G	lb	7.28
Furadan 3G	lb	0.00
Furadan 4F	pt	9.81
Fury 1.5 EC	oz	1.30
Gaucho 480	oz	5.80
Intrepid 2F	oz	1.94
Intruder 70WP	oz	1.80
Karate Z	oz	1.41
Lannate LV	pt	9.30
Lannate SP	oz	2.42
Larvin 3.2	oz	0.63
Leverage 2.7	oz	2.17
Lorsban 15G	lb	2.35
Lorsban 4E	pt	6.10
Malathion 57EC	pt	4.23
Malathion 8E	pt	9.84
Malathion ULV	pt	4.93
Mepichlor 4.2% Liq	pt	5.91
Methyl Parathion	pt	5.79
Monitor 4	pt	16.50
Monitor 4	pt	16.50
Mustang Max	oz	1.48
Organophosphate	oz	0.00
Orthene 90S	lb	7.00
Orthene 97	lb	10.90
Ovasyn	pt	0.00
Ovicide	oz	0.00
Penncap M	pt	6.71
Phaser 3E	qt	8.13
Pirate 3SC	oz	0.00
Pounce 25WP	lb	19.52
Pounce 3.2 EC	oz	0.34

Appendix Table 3. Operating inputs: estimated prices Louisiana, 2022.

ITEM NAME	UNIT	PRICE
		dollars
Prevathon	oz	1.05
Provado 1.6F	oz	1.94
Scout X-TRA	oz	0.00
Sevin 80S	lb	7.40
Sevin XLR Plus	qt	16.01
Spintor 2SC	oz	4.93
Steward	pt	39.51
Surfactant	pt	1.75
Synthetic Pyrethroid	oz	0.00
Temik 15G Grit	lb	4.00
Thimet 20-G	lb	3.65
Thionex 3EC	pt	4.17
Thionex 50W	lb	10.45
Tracer	oz	9.73
Trimax	oz	1.85
Vydate C-LV	oz	0.93
Warrior Z	oz	1.80
Warrior ZT	oz	2.74
IRRIGATION SUPPLIES		
Rice Gates	each	3.65
Roll-Out Pipe	ft	0.24
OVERHEAD		
Farmstead & Drainage	Dol	1.00
LARice Insurance	Dollar	1.00
LARice Misc. Overhd	dollar	1.00
LARice Property Tax	dollar	1.00
Shops Bldg & Equip.	Dol	6.55
SERVICE FEE		
Utilities	Dol	1.00
SEED/PLANTS		
Corn Seed Bt	thous	2.60
Corn Seed BtRR	thous	4.38
Corn Seed Conv.	thous	1.93
Corn Seed RR	thous	3.38
Corn Seed VT3	thous	3.91
Corn Seed VT3Pro	thous	3.91
Cotton Seed BG/RR	thous	0.62
Cotton Seed BGII/RRF	thous	2.70
Cotton Seed Bt	thous	2.60
Cotton Seed BtRR	thous	3.15
Cotton Seed Bxn	thous	0.00
Cotton Seed Conv.	thous	0.00
Cotton Seed Liberty	thous	1.05
Cotton Seed Liberty	thous	1.05
Cotton Seed RR	thous	0.63
Cotton Seed RR	thous	0.63
Cotton Seed WS	thous	0.49
Cotton Seed WS/RR	thous	0.00
Cotton Seed WS/RRF	thous	0.59
Rice Clearfield 161	lb	1.15
Rice Clearfield XL8	lb	6.12
Rice Seed (Levees)	lb	0.90
Rice Seed CF(Levees)	lb	0.95
Rice Seed Conv.	lb	0.35
Rice Seed Hybrid	lb	5.66
SC Cultured seedcane	acre	484.00
Sorghum Concept	lb	3.90
Sorghum Hybrid Sudax	lb	1.20
Sorghum NonConcept	lb	1.18
Soybean Seed LL	lb	1.16
Soybean Seed Private	lb	0.38
Soybean Seed Public	lb	0.00
Soybean Seed RR	lb	1.40
Soybean Seed Stack	lb	1.28
Wheat Seed Private	lb	0.28
Wheat Seed Public	lb	0.00

Appendix Table 3. Operating inputs: estimated prices Louisiana, 2022.

ITEM NAME	UNIT	PRICE
		dollars
Cotton Checkoff	bale	2.56
Cotton Storage	bale	25.00
Crop Consultant	acre	7.00
Custom Combine Rice	acre	0.00
Custom Spread(Truc	appl	4.50
Digital Ag Fee	acre	8.50
Digital Ag Fee	acre	8.50
Haul Sorghum	bu	0.25
Insect Scouting	acre	7.00
LARice Air Plant NE	cwt	5.50
Lime (Spread)	ton	59.00
Rice Consultant	acre	8.00
RRF Cotton Tech Fee	cap/ac	48.25
SC Treating Charge	acre	0.00
Soil Test	acre	10.00
Survey & Mark Levees	acre	4.50
Survey & Mark Levees	acre	4.50
TECHNOLOGY FEE		
BG Cot Tech Fee	thous	0.28
BG Cot Tech Fee	cap/ac	19.50
BG II Cot Tech Fee	thous	0.76
BG II Cot Tech Fee	cap/ac	31.91
BG II/RR Tech Fee	thous	1.49
BG II/RR Tech Fee	cap/ac	62.69
BGII/RRF Cot Tech Fe	thous	1.49
BGII/RRF Cot Tech Fe	cap/ac	62.69
Eradication Fee	acre	6.00
Eradication Zone 1	acre	6.00
Eradication Zone 1A	acre	6.00
Eradication Zone 1B	acre	6.00
Eradication Zone 2	acre	6.00
Eradication Zone 3	acre	6.00
Eradication Zone 4	acre	6.00
RR Cotton Tech Fee	thous	1.04
RR Cotton Tech Fee	cap/ac	43.66
RR Cotton Tech Fee	thous	1.04
RR Cotton Tech Fee	cap/ac	43.66
RRF Cotton Tech Fee	thous	1.04

Appendix Table 4. Tractors: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Louisiana 2022.

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	15.30	27.77	0.00	43.07	0.00	43.07
Combine (200-249 hp)	240hp	161,548	300	8	12.35	15.30	35.07	16.82	67.20	62.44	129.65
Combine (225-274 hp)	Track250hp	0	300	8	12.87	15.30	36.55	0.00	51.85	0.00	51.85
Combine (250-299 hp)	275hp	391,000	300	8	14.15	15.30	40.18	40.72	96.21	151.14	247.36
Combine (250-299hp)	Grass295hp	218,222	300	8	15.18	15.30	43.11	22.73	81.14	84.35	165.49
Combine (275-299 hp)	Track290hp	0	300	8	14.93	15.30	42.40	0.00	57.70	0.00	57.70
Combine (300-349 hp)	325hp	383,000	300	8	16.73	15.30	47.51	39.89	102.70	148.05	250.76
Combine (300-349hp)	Track320hp	0	300	8	16.47	15.30	46.77	0.00	62.07	0.00	62.07
Combine (350-379 hp)	370hp	413,700	300	8	19.04	15.30	54.07	43.09	112.46	159.92	272.38
Combine (350-379 hp)	Track365hp	0	300	8	18.79	15.30	53.36	0.00	68.66	0.00	68.66
Cotton Stripper	173hp	170,000	200	8	8.08	15.30	22.94	26.56	64.80	98.57	163.38
SC Tractor 93 MDR	93	46,683	600	10	4.79	11.88	13.60	2.72	28.20	7.25	35.46
SC Tractpr 68 MDR	68	27,049	600	10	3.50	11.88	9.94	1.57	23.39	4.20	27.60
test-mes		0	0	0	0.00	15.30	0.00	0.00	0.00	0.00	0.00
Tractor(40-59hp)Cab	2WD 50	32,100	600	8	2.57	11.88	7.30	1.00	20.19	5.62	25.81
Tractor(40-59hp)Cab	MFWD 50	42,600	600	8	2.57	11.88	7.30	1.33	20.52	7.46	27.98
Tractor(40-59hp)RB	2WD 50	30,900	600	8	2.57	11.88	7.30	0.96	20.15	5.41	25.56
Tractor(40-59hp)RB	MFWD 50	30,500	600	8	2.57	11.88	7.30	0.95	20.14	5.34	25.48
Tractor(60-89hp)CAB	2WD 75	56,700	600	8	3.86	11.88	10.96	1.77	24.61	9.93	34.54
Tractor(60-89hp)CAB	MFWD 75	60,500	600	8	3.86	11.88	10.96	1.89	24.73	10.59	35.33
Tractor(60-89hp)RB	2WD 75	43,100	600	8	3.86	11.88	10.96	1.34	24.19	7.55	31.74
Tractor(60-89hp)RB	MFWD 75	43,800	600	8	3.86	11.88	10.96	1.36	24.21	7.67	31.88
Tractor(90-119hp)CB	2WD 105	74,700	600	8	5.40	11.88	15.34	2.33	29.56	13.08	42.65
Tractor(90-119hp)CB	MFWD 105	94,500	600	8	5.40	11.88	15.34	2.95	30.18	16.55	46.73
Tractor(90-119hp)RB	2WD 105	67,100	600	8	5.40	11.88	15.34	2.09	29.32	11.75	41.08
Tractor(90-119hp)RB	MFWD 105	75,300	600	8	5.40	11.88	15.34	2.35	29.58	13.19	42.77
Tractor(120-139hp)CB	2WD 130	117,400	600	8	6.69	11.88	19.00	3.66	34.55	20.56	55.12
Tractor(120-139hp)CB	MFWD 130	131,100	600	8	6.69	11.88	19.00	4.09	34.98	22.96	57.94
Tractor(140-159hp)CB	2WD 150	116,100	600	8	7.72	11.88	21.92	3.62	37.43	20.34	57.77
Tractor(140-159hp)CB	MFWD 150	143,000	600	8	7.72	11.88	21.92	4.46	38.27	25.05	63.32
Tractor(160-179hp)CB	2WD 170	160,000	600	8	8.75	11.88	24.85	5.00	41.73	29.47	71.20
Tractor(160-179hp)CB	MFWD 170	164,000	600	8	8.75	11.88	24.85	5.12	41.85	30.21	72.07
Tractor(160-199hp)CB	Track 180	142,710	600	8	9.26	11.88	26.31	4.45	42.65	26.29	68.94
Tractor(180-199hp)CB	2WD 190	143,000	600	8	9.77	11.88	27.77	4.46	44.12	26.34	70.46
Tractor(180-199hp)CB	MFWD 190	206,000	600	8	9.77	11.88	27.77	6.43	46.09	37.95	84.04
Tractor(200-249hp)CB	4WD 225	147,066	600	8	11.58	11.88	32.89	4.59	49.36	27.09	76.46
Tractor(200-249hp)CB	MFWD 225	248,000	600	8	11.58	11.88	32.89	7.75	52.52	45.69	98.21
Tractor(200-249hp)CB	Track 225	277,000	600	8	11.58	11.88	32.89	8.65	53.42	51.03	104.46
Tractor(250-349hp)CB	4WD 300	298,000	600	8	15.44	11.88	43.85	9.31	65.04	54.90	119.95
Tractor(250-349hp)CB	Track 300	329,000	600	8	15.44	11.88	43.85	10.28	66.01	60.61	126.63
Tractor(350-449hp)CB	4WD 400	406,000	600	8	20.58	11.88	58.47	12.68	83.04	74.80	157.84
Tractor(350-449hp)CB	Track 400	492,000	600	8	20.58	11.88	58.47	15.37	85.72	90.64	176.37
Tractor(450-uphp)CB	TRACK-475	279,879	600	8	24.44	11.88	69.43	8.74	90.06	51.56	141.62

Appendix Table 5. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, Louisiana 2022.

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	2.70	0.50	0.43	3.63	2.23	5.87
Butt Levee (Backhoe)	70 HP	73,000	150	8	5.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Cotton Picker-1st-BB	2R38"157hp	144,912	200	8	8.08	0.519	11.72	10.24	11.76	33.73	49.92	83.66
Cotton Picker-1st-BB	4R2X1260hp	317,399	200	8	13.33	0.172	3.88	5.60	8.54	18.03	36.25	54.29
Cotton Picker-1st-BB	4R30"250hp	262,000	200	8	12.86	0.327	7.38	10.27	13.40	31.07	56.86	87.93
Cotton Picker-1st-BB	4R30"325hp	350,000	200	8	18.01	0.327	7.38	14.38	17.90	39.67	75.96	115.64
Cotton Picker-1st-BB	4R38"255hp	268,000	200	8	13.12	0.257	5.81	8.25	10.79	24.86	45.80	70.66
Cotton Picker-1st-BB	4R38"325hp	351,000	200	8	18.01	0.257	5.81	11.32	14.13	31.28	59.98	91.26
Cotton Picker-1st-BB	5R30"255hp	285,000	200	8	12.86	0.261	5.91	8.21	11.66	25.79	49.48	75.27
Cotton Picker-1st-BB	5R38"250hp	284,601	200	8	12.86	0.207	4.67	6.50	9.21	20.39	39.09	59.49
Cotton Picker-1st-BB	6R30"325hp	465,000	200	8	18.27	0.218	4.92	9.72	15.85	30.51	67.28	97.79
Cotton Picker-1st-BB	6R38"330hp	465,000	200	8	18.27	0.172	3.88	7.68	12.51	24.08	53.11	77.20
Cotton Picker-1st-Tr	2R38"157hp	144,912	200	8	8.08	0.519	11.72	10.24	11.76	33.73	49.92	83.66
Cotton Picker-1st-Tr	4R2X1255hp	322,137	200	8	18.01	0.172	3.88	7.57	8.67	20.13	36.79	56.93
Cotton Picker-1st-Tr	4R30"250hp	261,825	200	8	12.86	0.327	7.38	10.27	13.39	31.06	56.82	87.88
Cotton Picker-1st-Tr	4R30"325hp	311,088	200	8	16.72	0.327	7.38	13.36	15.91	36.66	67.51	104.18
Cotton Picker-1st-Tr	4R38"255hp	268,000	200	8	13.12	0.257	5.81	8.25	10.79	24.86	45.80	70.66
Cotton Picker-1st-Tr	4R38"325hp	351,000	200	8	18.01	0.257	5.81	11.32	14.13	31.28	59.98	91.26
Cotton Picker-1st-Tr	5R30"255hp	285,303	200	8	13.12	0.261	5.91	8.38	11.67	25.97	49.53	75.51
Cotton Picker-1st-Tr	5R38"250hp	290,471	200	8	12.86	0.207	4.67	6.50	9.40	20.58	39.90	60.48
Cotton Picker-1st-Tr	6R30"325hp	465,000	200	8	16.72	0.218	4.92	8.90	15.85	29.69	67.28	96.97
Cotton Picker-1st-Tr	6R38"330hp	465,000	200	8	18.01	0.172	3.88	7.57	12.51	23.98	53.11	77.10
Cotton Picker-2nd-BB	2R38"157hp	144,912	200	8	8.08	0.440	9.93	8.67	9.96	28.57	42.28	70.86
Cotton Picker-2nd-BB	4R2x1260hp	322,187	200	8	18.01	0.145	3.29	6.41	7.34	17.05	31.17	48.23
Cotton Picker-2nd-BB	4R30"250hp	261,825	200	8	12.86	0.277	6.25	8.70	11.34	26.31	48.13	74.44
Cotton Picker-2nd-BB	4R30"325hp	311,088	200	8	16.72	0.277	6.25	11.31	13.47	31.05	57.19	88.25
Cotton Picker-2nd-BB	4R38"255hp	268,000	200	8	13.12	0.218	4.92	6.99	9.14	21.06	38.79	59.85
Cotton Picker-2nd-BB	4R38"325hp	351,000	200	8	18.01	0.218	4.92	9.59	11.97	26.49	50.81	77.30
Cotton Picker-2nd-BB	5R30"255hp	285,303	200	8	13.12	0.221	5.00	7.10	9.88	22.00	41.96	63.96
Cotton Picker-2nd-BB	5R38"250hp	284,601	200	8	12.86	0.175	3.96	5.51	7.80	17.27	33.11	50.39
Cotton Picker-2nd-BB	6R30"325hp	465,000	200	8	18.01	0.184	4.17	8.12	13.43	25.72	56.99	82.72
Cotton Picker-2nd-BB	6R38"330hp	465,000	200	8	18.01	0.145	3.29	6.41	10.60	20.31	44.99	65.30
Cotton Picker-2nd-Tr	2R38"157hp	144,912	200	8	8.08	0.440	9.93	8.67	9.96	28.57	42.28	70.86
Cotton Picker-2nd-Tr	4R2X1260hp	322,137	200	8	18.01	0.145	3.29	6.41	7.34	17.05	31.16	48.22
Cotton Picker-2nd-Tr	4R30"250hp	261,825	200	8	12.86	0.277	6.25	8.70	11.34	26.31	48.13	74.44
Cotton Picker-2nd-Tr	4R30"325hp	311,088	200	8	16.72	0.277	6.25	11.31	13.47	31.05	57.19	88.25
Cotton Picker-2nd-Tr	4R38"255hp	268,000	200	8	13.12	0.218	4.92	6.99	9.14	21.06	38.79	59.85
Cotton Picker-2nd-Tr	4R38"325hp	351,000	200	8	18.01	0.218	4.92	9.59	11.97	26.49	50.81	77.30
Cotton Picker-2nd-Tr	5R30"255hp	285,303	200	8	13.12	0.221	5.00	7.10	9.88	22.00	41.96	63.96
Cotton Picker-2nd-Tr	5R38"250hp	290,471	200	8	12.86	0.175	3.96	5.51	7.96	17.43	33.79	51.23
Cotton Picker-2nd-Tr	6R30"325hp	465,000	200	8	16.72	0.184	4.17	7.54	13.43	25.15	56.99	82.14
Cotton Picker-2nd-Tr	6R38"330hp	465,000	200	8	18.01	0.145	3.29	6.41	10.60	20.31	44.99	65.30
Cotton Picker/Module	6R-30(500)	854,000	200	8	25.73	0.218	5.93	15.95	29.12	51.00	108.07	159.08
LA Pickup Truck	1/2 ton	28,000	800	5	2.50	1.000	11.33	6.25	3.15	20.73	7.74	28.47
LA Rice Combine	25 ft	181,500	300	10	8.60	0.300	5.05	6.30	14.53	25.89	23.61	49.50
LA Rice Combine-2	25 ft	181,500	300	10	8.60	0.300	5.05	6.30	14.53	25.89	23.61	49.50
LARice Combine Med	20 ft	165,000	300	10	7.10	0.210	3.53	3.63	9.24	16.41	15.01	31.43
Levee Sprayer	27'	30,768	350	8	2.57	0.038	0.69	0.24	0.06	0.99	0.44	1.44
SC Billet Harvester	6 ft	319,000	750	10	12.00	0.700	11.78	20.49	29.77	62.05	38.25	100.30
SC Harvester 1Rw	6 ft	126,500	400	12	6.80	0.875	14.72	14.51	23.05	52.30	31.84	84.14
SC Harvester 2Rw	12 ft	231,000	400	12	8.00	0.388	6.53	7.57	18.67	32.77	25.78	58.56
SC Loader 1Rw	6 ft	93,500	425	10	5.10	0.598	7.46	7.45	9.61	24.53	17.12	41.65
SC Loader 2Rw	12 ft	165,000	425	10	7.00	0.300	3.74	5.12	8.51	17.38	15.15	32.53
SC Transloader		33,000	120	12	4.70	0.250	3.11	2.86	4.12	10.10	7.91	18.01
SC Truck&Trailer	30 Ton	49,500	400	10	7.00	1.000	12.46	17.08	8.66	38.20	16.08	54.29
Sprayer(300-450Gal)	47'	0	350	8	5.40	0.022	0.40	0.29	0.00	0.70	0.00	0.70
Sprayer(300-450Gal)	60'	103,000	350	8	5.66	0.017	0.31	0.24	0.09	0.65	0.68	1.34
Sprayer(300-450Gal)	80'	103,000	350	8	5.66	0.013	0.23	0.18	0.07	0.49	0.51	1.00
Sprayer(600-750Gal)	60'	216,000	350	8	10.29	0.017	0.31	0.44	0.20	0.96	1.44	2.40
Sprayer(600-825Gal)	80'	234,000	350	8	10.29	0.013	0.26	0.38	0.16	0.81	1.02	1.83
Sprayer(600-825Gal)	90'	328,000	350	8	10.29	0.011	0.23	0.34	0.20	0.78	1.27	2.06
Sprayer(1000-1400Gal	90'	328,000	350	8	14.15	0.014	0.27	0.56	0.24	1.09	1.53	2.62
Sprayer(1200PlusGal)	120'	401,000	350	8	15.44	0.008	0.17	0.38	0.18	0.75	1.17	1.92

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2022.

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	1,500	200	20	0.020	0.23	0.38	0.01	0.07	0.70	0.01	0.41	1.12
Blade-Box	10'	2WD 50	3,890	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Box	14'	2WD 50	6,190	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	6'	2WD 50	1,270	200	20	1.176	13.97	8.59	0.70	1.13	24.42	0.51	6.36	31.30
Blade-Scraper	10'	2WD 50	3,870	200	20	1.176	13.97	8.59	2.16	1.13	25.87	1.56	6.36	33.80
Blade-Scraper	14'	2WD 50	10,790	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boll Buggy-1st Pick	2R38"157hp	MFWD 190	30,500	200	10	0.519	6.17	14.43	3.96	3.34	27.91	7.46	19.72	55.09
Boll Buggy-1st pick	4R2x1260hp	MFWD 190	30,500	200	10	0.172	2.04	4.78	1.31	1.10	9.25	2.47	6.53	18.26
Boll Buggy-1st pick	4R30"255hp	MFWD 190	30,500	200	10	0.327	3.88	9.09	2.49	2.10	17.58	4.69	12.42	34.71
Boll Buggy-1st pick	4R30"325hp	MFWD 190	30,500	200	10	0.327	3.88	9.09	2.49	2.10	17.58	4.69	12.42	34.71
Boll Buggy-1st pick	4R38"255hp	MFWD 190	30,500	200	10	0.257	3.06	7.15	1.96	1.65	13.84	3.70	9.78	27.33
Boll Buggy-1st pick	4R38"325hp	MFWD 190	30,500	200	10	0.257	3.06	7.15	1.96	1.65	13.84	3.70	9.78	27.33
Boll Buggy-1st pick	5R30"255hp	MFWD 190	30,500	200	10	0.261	3.11	7.27	1.99	1.68	14.06	3.75	9.93	27.76
Boll Buggy-1st pick	5R38"255hp	MFWD 190	30,500	200	10	0.207	2.46	5.75	1.57	1.33	11.13	2.97	7.86	21.96
Boll Buggy-1st pick	6R30"325hp	MFWD 190	30,500	200	10	0.218	2.59	6.06	1.66	1.40	11.72	3.13	8.28	23.14
Boll Buggy-1st pick	6R38"325hp	MFWD 190	30,500	200	10	0.172	2.04	4.78	1.31	1.10	9.25	2.47	6.53	18.26
Boll Buggy-2nd pick	2R38"157hp	MFWD 190	30,500	200	10	0.440	5.22	12.22	3.35	2.83	23.64	6.31	16.70	46.67
Boll Buggy-2nd pick	4R2x1260hp	MFWD 190	30,500	200	10	0.145	1.73	4.05	1.11	0.93	7.84	2.09	5.53	15.47
Boll Buggy-2nd pick	4R30"255hp	MFWD 190	30,500	200	10	0.277	3.29	7.70	2.11	1.78	14.89	3.98	10.52	29.40
Boll Buggy-2nd pick	4R30"325hp	MFWD 190	30,500	200	10	0.277	3.29	7.70	2.11	1.78	14.89	3.98	10.52	29.40
Boll Buggy-2nd pick	4R38 255hp	MFWD 190	30,500	200	10	0.218	2.59	6.06	1.66	1.40	11.72	3.13	8.28	23.15
Boll Buggy-2nd pick	4R38 325hp	MFWD 190	30,500	200	10	0.218	2.59	6.06	1.66	1.40	11.72	3.13	8.28	23.15
Boll Buggy-2nd pick	5R30"255hp	MFWD 190	30,500	200	10	0.221	2.63	6.16	1.69	1.42	11.91	3.18	8.41	23.52
Boll Buggy-2nd pick	5R38"255hp	MFWD 190	30,500	200	10	0.175	2.08	4.87	1.33	1.12	9.42	2.51	6.66	18.60
Boll Buggy-2nd pick	6R30"325hp	MFWD 190	30,500	200	10	0.184	2.19	5.13	1.40	1.19	9.93	2.65	7.01	19.60
Boll Buggy-2nd pick	6R38"325hp	MFWD 190	30,500	200	10	0.145	1.73	4.05	1.11	0.93	7.84	2.09	5.53	15.47
Boll Buggy-Stripper	13' Bcast	MFWD 150	30,500	200	10	0.251	2.99	5.52	1.92	1.12	11.55	3.61	6.30	21.48
Boll Buggy-Stripper	16' Bcast	MFWD 150	30,500	200	10	0.204	2.43	4.48	1.56	0.91	9.39	2.93	5.12	17.45
Boll Buggy-Stripper	19' Bcast	MFWD 150	30,500	200	10	0.172	2.04	3.77	1.31	0.77	7.90	2.47	4.31	14.69
Boll Buggy-Stripper	4R30"2X1Br	MFWD 150	30,500	200	10	0.218	2.59	4.78	1.66	0.97	10.01	3.13	5.46	18.61
Boll Buggy-Stripper	4R30"Brush	MFWD 150	30,500	200	10	0.327	3.88	7.17	2.49	1.46	15.02	4.69	8.20	27.92
Boll Buggy-Stripper	4R38"2X1Br	MFWD 150	30,500	200	10	0.172	2.04	3.77	1.31	0.77	7.90	2.47	4.31	14.69
Boll Buggy-Stripper	4R38"Brush	MFWD 150	30,500	200	10	0.257	3.06	5.65	1.96	1.15	11.83	3.70	6.45	21.99
Boll Buggy-Stripper	5R30"Brush	MFWD 150	30,500	200	10	0.261	3.11	5.74	1.99	1.17	12.02	3.75	6.56	22.34
Boll Buggy-Stripper	5R38"Brush	MFWD 150	30,500	200	10	0.207	2.46	4.54	1.57	0.92	9.51	2.97	5.19	17.67
Boll Buggy-Stripper	6R30"Brush	MFWD 150	30,500	200	10	0.218	2.59	4.78	1.66	0.97	10.01	3.13	5.46	18.61
Chisel Plow(Folding)	16'	2WD 130	22,500	150	12	0.115	1.37	2.19	0.93	0.42	4.93	1.50	2.37	8.80
Chisel Plow(Folding)	24'	MFWD 190	45,200	150	12	0.076	0.90	2.12	1.24	0.49	4.77	1.99	2.90	9.66
Chisel Plow(Folding)	32'	MFWD 225	58,400	150	12	0.057	0.68	1.90	1.21	0.44	4.25	1.94	2.63	8.83
Chisel Plow(Folding)	42'	MFWD 225	67,000	150	12	0.044	0.52	1.44	1.06	0.34	3.37	1.70	2.01	7.09
Chisel Plow(Rigid)	15'	2WD 130	15,800	150	12	0.123	1.46	2.34	0.70	0.45	4.96	1.12	2.53	8.62
Chisel Plow(Rigid)	24'	MFWD 190	16,000	150	12	0.077	0.91	2.13	0.44	0.49	3.99	0.71	2.92	7.63
Chisel-Harrow	21 shank	2WD 190	6,750	150	12	0.088	1.04	2.44	0.21	0.39	4.09	0.34	2.31	6.76
Chisel-Harrow	27 shank	MFWD 225	14,100	150	12	0.068	0.81	2.25	0.34	0.53	3.94	0.55	3.12	7.63
Colter-Chisel-Harrow	21 shank	2WD 190	19,200	150	12	0.088	1.04	2.44	0.61	0.39	4.49	0.97	2.31	7.79
Colter-Chisel-Harrow	27 shank	MFWD 225	24,000	150	12	0.068	0.81	2.25	0.59	0.53	4.18	0.94	3.12	8.26
Corn Grain Cart 8R30	500 bu	MFWD 190	29,100	200	12	0.031	0.37	0.88	0.25	0.20	1.72	0.40	1.21	3.33
Corn Grain Cart 8R40	700bu	MFWD 190	44,900	200	12	0.025	0.29	0.69	0.30	0.16	1.45	0.48	0.94	2.89
Cult & Post	4R-38	2WD 105	21,600	150	10	0.173	3.08	2.65	0.99	0.36	7.10	2.45	2.03	11.59
Cult & Post	6R-30	MFWD 150	25,900	150	10	0.146	5.22	3.21	1.01	0.65	10.11	2.48	3.67	16.27
Cult & Post	6R-38	MFWD 150	26,600	150	10	0.115	2.06	2.53	0.82	0.51	5.94	2.01	2.90	10.86
Cult & Post	8R-30	MFWD 190	31,200	150	10	0.110	1.96	3.05	0.91	0.70	6.63	2.24	4.17	13.06
Cult & Post	8R-38	MFWD 190	35,800	150	10	0.086	1.54	2.41	0.83	0.55	5.35	2.04	3.30	10.69
Cult & Post	8R-38 2x1	MFWD 190	51,600	150	10	0.057	1.03	1.60	0.79	0.37	3.80	1.95	2.19	7.96
Cult & Post	10R-30	MFWD 225	32,000	150	10	0.088	1.56	2.89	0.75	0.68	5.89	1.84	4.02	11.76
Cult & Post	10R-38	MFWD 225	0	150	10	0.065	1.15	2.13	0.00	0.50	3.80	0.00	2.97	6.77
Cult & Post	12R-30	MFWD 225	50,600	150	10	0.073	1.30	2.41	0.98	0.56	5.27	2.43	3.35	11.05
Cult & Post	12R-38	MFWD 225	54,000	150	10	0.057	1.03	1.90	0.83	0.44	4.21	2.04	2.64	8.91
Cultipacker	12'	2WD 130	6,720	300	12	0.124	1.47	2.36	0.19	0.45	4.49	0.25	2.55	7.30
Cultipacker	20'	MFWD 150	10,900	300	12	0.074	0.88	1.63	0.19	0.33	3.04	0.24	1.87	5.16
Cultivate	4R-38	2WD 105	14,200	150	10	0.162	1.92	2.49	0.61	0.34	5.37	1.51	1.90	8.79
Cultivate	6R-30	MFWD 150	18,500	150	10	0.137	1.63	3.01	0.67	0.61	5.94	1.66	3.44	11.05
Cultivate	6R-38	MFWD 150	20,400	150	10	0.108	1.28	2.38	0.59	0.48	4.74	1.45	2.71	8.91
Cultivate	8R-30	MFWD 190	24,900	150	10	0.103	1.22	2.86	0.68	0.66	5.43	1.68	3.91	11.03
Cultivate	8R-38	MFWD 190	28,400	150	10	0.081	0.96	2.26	0.61	0.52	4.37	1.51	3.09	8.98
Cultivate	8R-38 2x1	MFWD 190	40,400	150	10	0.054	0.64	1.50	0.58	0.34	3.08	1.43	2.06	6.58
Cultivate	10R-30	MFWD 225	28,200	150	10	0.082	0.98	2.71	0.62	0.63	4.95	1.52	3.76	10.24
Cultivate	10R-38	MFWD 225	0	150	10	0.065	0.77	2.13	0.00	0.50	3.41	0.00	2.97	6.38
Cultivate	12R-30	MFWD 225	45,300	150	10	0.068	0.81	2.26	0.83	0.53	4.44	2.04	3.14	9.62
Cultivate	12R-38	MFWD 225	46,300	150	10	0.054	0.64	1.78	0.67	0.42	3.52	1.64	2.48	7.64
Disk & Incorporate	14'	2WD 130	33,700	200	10	0.149	2.66	2.84	1.51	0.54	7.57	2.47	3.07	13.13
Disk & Incorporate	24'	MFWD 190	53,600	200	10	0.087	1.55	2.42	1.40	0.56	5.94	2.29	3.31	11.55
Disk & Incorporate	32'	4WD 225	68,700	200	10	0.068	1.22	2.26	1.41	0.31	5.21	2.32	1.86	9.40
Disk & Incorporate	42'	MFWD 225	30,542	200	10	0.049	0.87	1.61	0.44	0.38	3.32	0.73	2.24	6.30
Disk Bed (Hipper)	4R-38	MFWD 150	10,500	160	10	0.147	1.75	3.23	0.38	0.65	6.03	0.95	3.69	10.68
Disk Bed (Hipper)	6R-30	MFWD 170	16,200	160	10	0.125	1.48	3.10	0.50	0.64	5.73	1.24	3.77	10.75
Disk Bed (Hipper)	6R-38	MFWD 170	16,200	160	10	0.098	1.17	2.45	0.39	0.50	4.52	0.98	2.98	8.49
Disk Bed (Hipper)	8R-30	MFWD 190	20,800	160	10	0.093	1.11	2.60	0.48	0.60	4.80	1.19	3.55	9.56
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	51,400	160	10	0.049	0.58	1.37	0.63	0.31	2.90	1.55	1.87	6.33
Disk Bed (Hipper)	10R-30	MFWD 225	19,900	160	10	0.075	0.89	2.46	0.37	0.58	4.31	0.91	3.42	8.65
Disk Bed (Hipper)	10R-38	MFWD 225	23,100	160	10	0.059	0.70	1.94	0.34	0.45	3.44	0.83	2.70	6.99
Disk Bed (Hipper)	12R-30	MFWD 225	40,100	160	10	0.062	0.74	2.05	0.62	0.48	3.90	1.53	2.85	8.30

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2022.
(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							
Disk Bed (Hipper)	12R-38	MFWD 225	51,400	160	10	0.049	0.58	1.62	0.63	0.38	3.22	1.55	2.25	7.03
Disk Bed (Hipper)Fld	8R-38	MFWD 190	22,000	160	10	0.074	0.88	2.05	0.40	0.47	3.82	1.00	2.81	7.63
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	19,700	160	10	0.074	0.88	2.05	0.36	0.47	3.78	0.89	2.81	7.49
Disk Bed w/roller	8R-30	2WD 190	26,900	160	10	0.093	1.11	2.60	0.63	0.41	4.76	1.54	2.46	8.78
Disk Bed w/roller	12R-30	MFWD 225	50,900	160	10	0.062	0.74	2.05	0.79	0.48	4.07	1.95	2.85	8.88
Disk Harrow	14'	2WD 130	32,200	180	10	0.140	1.66	2.66	1.25	0.51	6.10	2.46	2.88	11.45
Disk Harrow	24'	MFWD 190	52,200	180	10	0.081	0.97	2.27	1.18	0.52	4.95	2.33	3.10	10.39
Disk Harrow	28'	MFWD 225	62,300	180	10	0.070	0.83	2.30	1.21	0.54	4.89	2.38	3.20	10.49
Disk Harrow	32'		62,600	180	10	0.061	0.93	0.00	1.06	0.00	0.00	2.09	0.00	0.00
Disk Harrow	42'	MFWD 225	110,100	180	10	0.046	0.55	1.53	1.43	0.36	3.88	2.81	2.13	8.83
Ditcher		2WD 130	6,480	200	10	0.020	0.23	0.38	0.05	0.07	0.74	0.06	0.41	1.21
Ditcher (1m/160a)		2WD 130	6,480	200	10	0.009	0.11	0.17	0.02	0.03	0.34	0.02	0.19	0.57
Fert Appl (Liquid)	4R-38	MFWD 150	19,000	150	8	0.154	2.75	3.39	1.95	0.69	8.79	2.05	3.87	14.73
Fert Appl (Liquid)	6R-30	MFWD 170	19,800	150	8	0.130	2.33	3.25	1.72	0.67	7.98	1.81	3.95	13.76
Fert Appl (Liquid)	6R-38	MFWD 170	19,800	150	8	0.103	1.84	2.56	1.36	0.52	6.30	1.43	3.12	10.86
Fert Appl (Liquid)	8R-30	MFWD 190	20,100	150	8	0.098	1.75	2.72	1.31	0.63	6.42	1.38	3.72	11.53
Fert Appl (Liquid)	8R-38	MFWD 190	22,600	150	8	0.077	1.38	2.15	1.16	0.49	5.20	1.22	2.94	9.38
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	25,200	150	8	0.051	0.92	1.43	0.86	0.33	3.55	0.91	1.96	6.43
Fert Appl (Liquid)	10R-30	MFWD 225	18,600	150	8	0.078	1.40	2.58	0.97	0.60	5.56	1.02	3.58	10.18
Fert Appl (Liquid)	10R-38	MFWD 225	20,300	150	8	0.061	1.10	2.03	0.83	0.48	4.46	0.88	2.83	8.17
Fert Appl (Liquid)	12R-30	MFWD 225	25,900	150	8	0.078	1.40	2.58	1.35	0.60	5.94	1.42	3.58	10.96
Fert Appl (Liquid)	12R-38	MFWD 225	23,700	150	8	0.051	0.92	1.70	0.81	0.40	3.83	0.85	2.36	7.05
Field Cult & Inc	12'	2WD 150	19,600	100	10	0.132	2.35	2.89	0.64	0.47	6.38	2.54	2.68	11.61
Field Cult & Inc	24'	MFWD 170	38,500	100	10	0.066	1.17	1.64	0.63	0.33	3.79	2.50	1.99	8.29
Field Cult & Inc	32'	MFWD 190	50,900	100	10	0.049	0.88	1.37	0.63	0.31	3.21	2.48	1.88	7.57
Field Cult & Inc	42'	MFWD 225	69,000	100	10	0.037	0.67	1.24	0.65	0.29	2.85	2.56	1.72	7.14
Field Cultivate	12'	2WD 150	19,600	100	10	0.124	1.47	2.72	0.60	0.45	5.26	2.39	2.53	10.19
Field Cultivate	24'	MFWD 170	31,100	100	10	0.062	0.73	1.54	0.48	0.31	3.08	1.90	1.87	6.87
Field Cultivate	32'	MFWD 190	43,500	100	10	0.046	0.55	1.29	0.50	0.30	2.65	1.99	1.77	6.42
Field Cultivate	42'	MFWD 225	60,600	100	10	0.035	0.42	1.16	0.53	0.27	2.40	2.11	1.62	6.14
Field Cultivate	50'	MFWD 225	69,000	100	10	0.029	0.35	0.98	0.51	0.23	2.08	2.02	1.36	5.47
Gate Installer		2WD 130	2,960	10	10	0.020	0.47	0.38	0.17	0.07	1.10	0.55	0.41	2.07
Grain Drill	12'	2WD 130	28,200	150	8	0.157	3.73	2.98	1.66	0.57	8.95	2.94	3.23	15.13
Grain Drill	15'	MFWD 150	34,400	150	8	0.125	2.98	2.75	1.62	0.56	7.92	2.87	3.14	13.95
Grain Drill	20'	MFWD 170	41,900	150	8	0.094	2.24	2.34	1.48	0.48	6.54	2.62	2.84	12.02
Grain Drill	24'	MFWD 190	67,300	150	8	0.078	1.86	2.18	1.98	0.50	6.53	3.51	2.98	13.03
Grain Drill	30'	MFWD 225	68,900	150	8	0.062	1.49	2.06	1.62	0.48	5.67	2.87	2.87	11.42
Grain Drill & Pre	12'	2WD 130	35,400	150	8	0.169	4.02	3.21	2.24	0.62	10.10	3.98	3.48	17.56
Grain Drill & Pre	15'	MFWD 150	41,200	150	8	0.135	3.21	2.96	2.09	0.60	8.88	3.70	3.39	15.98
Grain Drill & Pre	20'	MFWD 170	46,800	150	8	0.101	2.41	2.52	1.78	0.52	7.23	3.15	3.06	13.46
Grain Drill & Pre	24'	MFWD 190	74,200	150	8	0.084	2.01	2.35	2.35	0.54	7.25	4.17	3.21	14.64
Grain Drill & Pre	30'	MFWD 225	75,800	150	8	0.067	1.60	2.22	1.92	0.52	6.28	3.41	3.09	12.78
Harrow	13'	2WD 130	4,360	200	10	0.119	1.41	2.27	0.18	0.43	4.30	0.25	2.45	7.02
Harrow	21'	2WD 150	6,750	200	10	0.073	0.87	1.62	0.17	0.26	2.94	0.24	1.50	4.69
Harrow	40'	MFWD 190	21,300	200	10	0.038	0.46	1.07	0.28	0.24	2.07	0.40	1.47	3.95
Harrow	47'	MFWD 190	26,000	200	10	0.033	0.39	0.91	0.30	0.21	1.82	0.42	1.25	3.49
Header - Corn	4R-38	240hp	25,147	300	8	0.201	3.07	7.05	1.26	3.38	14.78	1.77	12.55	29.11
Header - Corn	6R30"	240hp	54,200	300	8	0.170	2.60	5.97	2.30	2.86	13.75	3.23	10.63	27.61
Header - Corn	6R38"	240hp	53,800	300	8	0.134	2.05	4.71	1.80	2.26	10.84	2.53	8.39	21.77
Header - Corn	8R-30	240hp	71,200	300	8	0.127	1.95	4.47	2.27	2.14	10.85	3.18	7.97	22.01
Header - Corn	8R-38	275hp	72,200	300	8	0.100	1.54	4.05	1.82	4.11	11.53	2.55	15.25	29.35
Header - Corn	12R-20	275hp	105,000	300	8	0.127	1.95	5.13	3.35	5.20	15.64	4.69	19.30	39.64
Header - Corn	12R-30	275hp	118,000	300	8	0.085	1.30	3.42	2.51	3.46	10.70	3.52	12.86	27.09
Header - Rice (CL)	22' Rigid	240hp	64,400	300	8	0.288	4.41	10.11	4.64	4.85	24.02	6.50	18.01	48.55
Header - Rice (CL)	25' Rigid	240hp	64,400	300	8	0.253	3.88	8.90	4.08	4.27	21.14	5.72	15.85	42.72
Header - Rice (CL)	30' Rigid	275hp	74,100	300	8	0.211	3.23	8.50	3.91	8.61	24.27	5.49	31.97	61.73
Header - Rice (SL)	22' Rigid	240hp	64,400	300	8	0.250	3.82	8.76	4.02	4.20	20.82	5.64	15.61	42.07
Header - Rice (SL)	25' Rigid	240hp	64,400	300	8	0.220	3.36	7.71	3.54	3.70	18.32	4.96	13.73	37.02
Header - Rice (SL)	30' Rigid	275hp	74,100	300	8	0.183	2.80	7.36	3.39	7.46	21.03	4.75	27.70	53.50
Header - Soybean	15' Flex	240hp	0	300	8	0.170	2.60	5.97	0.00	2.86	11.44	0.00	10.63	22.07
Header - Soybean	18' Flex	240hp	20,309	300	8	0.141	2.17	4.97	0.72	2.38	10.25	1.00	8.86	20.12
Header - Soybean	22' Flex	240hp	33,800	300	8	0.116	1.77	4.07	0.98	1.95	8.78	1.37	7.25	17.40
Header - Soybean	25' Flex	275hp	37,000	300	8	0.102	1.56	4.10	0.94	4.16	10.77	1.32	15.44	27.54
Header - Soybean	30' Flex	275hp	44,700	300	8	0.085	1.30	3.42	0.95	3.46	9.14	1.33	12.86	23.34
Header Wheat/Sorghum	18' Rigid	240hp	19,069	300	8	0.141	2.17	4.97	0.67	2.38	10.21	0.94	8.86	20.02
Header Wheat/Sorghum	22' Rigid	240hp	19,800	300	8	0.116	1.77	4.07	0.57	1.95	8.37	0.80	7.25	16.43
Header Wheat/Sorghum	25' Rigid	240hp	25,400	300	8	0.102	1.56	3.58	0.64	1.71	7.51	0.90	6.38	14.80
Header Wheat/Sorghum	30' Rigid	275hp	29,100	300	8	0.085	1.30	3.42	0.61	3.46	8.81	0.86	12.86	22.54
Header-Cotton Bcast	13'	173hp	21,300	200	8	0.251	6.84	5.77	1.00	6.68	20.31	2.81	24.82	47.96
Header-Cotton-Bcast	16'	173hp	23,800	200	8	0.204	5.56	4.69	0.91	5.43	16.60	2.55	20.16	39.33
Header-Cotton-Bcast	19'	173hp	26,200	200	8	0.172	4.68	3.95	0.84	4.57	14.06	2.37	16.98	33.41
Header-Cotton-Brush	4R30"	173hp	20,520	200	8	0.327	8.89	7.51	1.25	8.69	26.36	3.53	32.27	62.16
Header-Cotton-Brush	4R30"2X1	173hp	34,400	200	8	0.218	5.93	5.00	1.40	5.79	18.14	3.94	21.51	43.60
Header-Cotton-Brush	4R38"	173hp	34,000	200	8	0.257	7.00	5.91	1.64	6.84	21.41	4.60	25.41	51.42
Header-Cotton-Brush	4R38"2X1	173hp	36,000	200	8	0.172	4.68	3.95	1.16	4.57	14.37	3.26	16.98	34.62
Header-Cotton-Brush	5R-30	173hp	42,800	200	8	0.261	7.11	6.00	2.10	6.95	22.18	5.89	25.81	53.89
Header-Cotton-Brush	5R-38	173hp	44,300	200	8	0.207	5.63	4.75	1.72	5.50	17.61	4.82	20.42	42.86
Header-Cotton-Brush	6R-30	173hp	52,700	200	8	0.218	5.93	5.00	2.15	5.79	18.89	6.04	21.51	46.45
Heavy Disk	14'	MFWD 150	25,900	180	10	0.145	1.73	3.20	1.05	0.65	6.63	2.06	3.65	12.35

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2022.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Heavy Disk	27'	MFWD 190	50,400	180	10	0.075	0.89	2.10	1.05	0.48	4.54	2.08	2.87	9.50
LA Boom Sprayer	30 ft	MFWD 150	3,000	150	10	0.059	0.71	1.31	0.13	0.26	2.42	0.13	1.50	4.06
Land Plane	40'x10'	MFWD 190	6,020	200	10	0.242	2.88	6.73	0.29	1.56	11.47	0.71	9.20	21.40
Land Plane	50'x16'	MFWD 190	11,100	200	10	0.151	1.80	4.21	0.33	0.97	7.32	0.82	5.75	13.90
LARice Backhoe-Rrmnt	2 ft	MFWD 150	6,000	100	10	0.500	5.94	10.96	2.64	2.23	21.77	3.44	12.52	37.75
LARice Land Level	13 ft	MFWD 150	7,500	200	15	0.190	2.25	4.16	0.15	0.84	7.43	0.60	4.76	12.80
LARice Levee Plow	8 ft	4WD 300	4,600	150	10	0.050	0.59	2.19	0.07	0.46	3.32	0.17	2.74	6.25
LARice Water Level	24 ft	4WD 300	3,500	100	15	0.149	1.78	6.57	0.23	1.39	9.98	0.44	8.23	18.66
Levee Splitter (1/80	2 blade	2WD 150	8,270	50	10	0.004	0.04	0.09	0.00	0.01	0.15	0.06	0.08	0.31
Lo-Till & Bed	4R-38	MFWD 190	5,100	150	12	0.145	1.72	4.04	0.26	0.93	6.97	0.44	5.52	12.94
Middle Buster	6R-38	MFWD 150	12,800	160	8	0.120	1.42	2.63	0.36	0.53	4.96	1.06	3.01	9.03
Middle Buster	8R-30	MFWD 190	20,800	160	8	0.114	1.35	3.17	0.55	0.73	5.81	1.64	4.33	11.79
Middle Buster	8R-38	MFWD 190	18,100	160	8	0.090	1.07	2.50	0.38	0.58	4.54	1.12	3.42	9.09
Middle Buster	8R-40 2x1	MFWD 190	29,200	160	8	0.060	0.71	1.66	0.41	0.38	3.18	1.21	2.28	6.67
Middle Buster	10R-30	MFWD 225	29,300	160	8	0.091	1.08	3.00	0.62	0.70	5.42	1.84	4.17	11.44
Middle Buster	10R-38	MFWD 225	32,100	160	8	0.072	0.85	2.36	0.54	0.55	4.32	1.59	3.29	9.21
Middle Buster	12R-38	MFWD 225	29,200	160	8	0.060	0.71	1.97	0.41	0.46	3.56	1.21	2.74	7.52
Module Builder-1st	2R-38(157)	MFWD 190	31,300	200	10	0.519	12.34	14.43	4.06	3.34	34.19	7.65	19.72	61.57
Module Builder-1st	4R-30(255)	MFWD 190	34,700	200	10	0.327	7.77	9.09	2.84	2.10	21.81	5.34	12.42	39.59
Module Builder-1st	4R-30(325)	MFWD 190	34,700	200	10	0.327	7.77	9.09	2.84	2.10	21.81	5.34	12.42	39.59
Module Builder-1st	4R-38(255)	MFWD 190	34,700	200	10	0.257	6.12	7.15	2.23	1.65	17.18	4.21	9.78	31.17
Module Builder-1st	4R-38(325)	MFWD 190	34,700	200	10	0.257	6.12	7.15	2.23	1.65	17.18	4.21	9.78	31.17
Module Builder-1st	4R2x1260hp	MFWD 190	34,700	200	10	0.172	4.09	4.78	1.49	1.10	11.48	2.81	6.53	20.83
Module Builder-1st	5R-30(255)	MFWD 190	34,700	200	10	0.261	6.22	7.27	2.27	1.68	17.45	4.27	9.94	31.67
Module Builder-1st	5R-38(255)	MFWD 190	34,700	200	10	0.207	4.92	5.75	1.79	1.33	13.80	3.38	7.86	25.05
Module Builder-1st	6R-30(325)	MFWD 190	34,700	200	10	0.218	5.18	6.06	1.89	1.40	14.54	3.56	8.28	26.39
Module Builder-1st	6R-38(325)	MFWD 190	34,700	200	10	0.172	4.09	4.78	1.49	1.10	11.48	2.81	6.53	20.83
Module Builder-2nd	2R-38(157)	MFWD 190	34,700	200	10	0.440	10.45	12.22	3.81	2.83	29.33	7.18	16.70	53.23
Module Builder-2nd	4R-30(255)	MFWD 190	34,700	200	10	0.277	6.58	7.70	2.40	1.78	18.48	4.52	10.52	33.53
Module Builder-2nd	4R-30(325)	MFWD 190	34,700	200	10	0.277	6.58	7.70	2.40	1.78	18.48	4.52	10.52	33.53
Module Builder-2nd	4R-38(255)	MFWD 190	34,700	200	10	0.218	5.18	6.06	1.89	1.40	14.55	3.56	8.28	26.40
Module Builder-2nd	4R-38(325)	MFWD 190	34,700	200	10	0.218	5.18	6.06	1.89	1.40	14.55	3.56	8.28	26.40
Module Builder-2nd	4R2x1 255	MFWD 190	34,700	200	10	0.145	3.46	4.05	1.26	0.93	9.72	2.38	5.53	17.65
Module Builder-2nd	5R-30(255)	MFWD 190	34,700	200	10	0.221	5.27	6.16	1.92	1.42	14.78	3.62	8.41	26.82
Module Builder-2nd	5R-38(255)	MFWD 190	34,700	200	10	0.175	4.17	4.87	1.52	1.12	11.69	2.86	6.66	21.22
Module Builder-2nd	6R-30(325)	MFWD 190	34,700	200	10	0.184	4.39	5.13	1.60	1.19	12.32	3.01	7.01	22.35
Module Builder-2nd	6R-38(325)	MFWD 190	34,700	200	10	0.145	3.46	4.05	1.26	0.93	9.72	2.38	5.53	17.65
Module Builder-Strip	13' Bcast	MFWD 150	34,700	200	10	0.251	5.98	5.52	2.18	1.12	14.81	4.11	6.30	25.23
Module Builder-Strip	16' Bcast	MFWD 150	34,700	200	10	0.204	4.86	4.48	1.77	0.91	12.03	3.34	5.12	20.50
Module Builder-Strip	19' Brush	MFWD 150	34,700	200	10	0.172	4.09	3.77	1.49	0.77	10.13	2.81	4.31	17.26
Module Builder-Strip	4R-30	MFWD 150	34,700	200	10	0.327	7.77	7.17	2.84	1.46	19.26	5.34	8.20	32.80
Module Builder-Strip	4R-30 2X1	MFWD 150	34,700	200	10	0.218	5.18	4.78	1.89	0.97	12.83	3.56	5.46	21.87
Module Builder-Strip	4R-38	MFWD 150	34,700	200	10	0.257	6.12	5.65	2.23	1.15	15.16	4.21	6.45	25.83
Module Builder-Strip	4R-38 2X1	MFWD 150	34,700	200	10	0.172	4.09	3.77	1.49	0.77	10.13	2.81	4.31	17.26
Module Builder-Strip	5R-30	MFWD 150	34,700	200	10	0.261	6.22	5.74	2.27	1.17	15.40	4.27	6.56	26.24
Module Builder-Strip	5R-38	MFWD 150	34,700	200	10	0.207	4.92	4.54	1.79	0.92	12.18	3.38	5.19	20.76
Module Builder-Strip	6R-30	MFWD 150	34,700	200	10	0.218	5.18	4.78	1.89	0.97	12.83	3.56	5.46	21.87
Mulcher Plow	30'	MFWD 225	0	100	10	0.068	0.80	2.24	0.00	0.52	3.57	0.00	3.11	6.68
NT Grain Drill	12'	2WD 130	46,900	150	8	0.163	3.88	3.11	2.87	0.60	10.47	5.10	3.36	18.94
NT Grain Drill	15'	MFWD 150	56,900	150	8	0.130	3.11	2.87	2.79	0.58	9.36	4.95	3.28	17.59
NT Grain Drill	20'	MFWD 170	68,700	150	8	0.098	2.33	2.44	2.53	0.50	7.80	4.48	2.96	15.25
NT Grain Drill	24'	MFWD 190	98,000	150	8	0.081	1.94	2.27	3.00	0.52	7.75	5.33	3.10	16.18
NT Grain Drill	30'	MFWD 225	104,300	150	8	0.065	1.55	2.15	2.56	0.50	6.77	4.53	2.99	14.30
NT Grain Drill & Pre	12'	2WD 130	54,000	150	8	0.176	4.18	3.34	3.56	0.64	11.75	6.32	3.62	21.70
NT Grain Drill & Pre	15'	MFWD 150	63,300	150	8	0.141	3.35	3.09	3.34	0.63	10.42	5.93	3.53	19.88
NT Grain Drill & Pre	20'	MFWD 170	74,700	150	8	0.105	2.51	2.62	2.96	0.54	8.64	5.25	3.19	17.09
NT Grain Drill & Pre	24'	MFWD 190	105,000	150	8	0.088	2.09	2.44	3.47	0.56	8.58	6.15	3.34	18.07
NT Grain Drill & Pre	30'	MFWD 225	112,000	150	8	0.070	1.67	2.31	2.96	0.54	7.50	5.24	3.22	15.97
NT Plant&Pre-Folding	8R-38	MFWD 170	67,800	150	8	0.083	1.98	2.07	2.12	0.42	6.61	3.76	2.52	12.91
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	107,000	150	8	0.055	1.32	1.38	2.23	0.28	5.22	3.95	1.68	10.86
NT Plant&Pre-Folding	10R-30	MFWD 190	57,555	150	8	0.084	2.01	2.35	1.82	0.54	6.73	3.23	3.21	13.17
NT Plant&Pre-Folding	10R-38	MFWD 190	52,893	150	8	0.066	1.58	1.85	1.32	0.42	5.19	2.34	2.53	10.07
NT Plant&Pre-Folding	12R-20	MFWD 190	82,800	150	8	0.105	2.51	2.93	3.28	0.68	9.41	5.82	4.01	19.25
NT Plant&Pre-Folding	12R-30	MFWD 190	94,600	150	8	0.070	1.67	1.95	2.50	0.45	6.58	4.43	2.67	13.69
NT Plant&Pre-Folding	12R-38	MFWD 190	107,000	150	8	0.055	1.32	1.54	2.23	0.35	5.46	3.95	2.11	11.53
NT Plant&Pre-Folding	16R-30	MFWD 190	142,000	150	8	0.052	1.25	1.46	2.81	0.34	5.88	4.99	2.00	12.87
NT Plant&Pre-Folding	23R-15	MFWD 190	192,000	150	8	0.073	1.74	2.04	5.28	0.47	9.54	9.37	2.78	21.70
NT Plant&Pre-Folding	24R-20	MFWD 190	214,000	150	8	0.052	1.25	1.46	4.24	0.34	7.30	7.52	2.00	16.83
NT Plant&Pre-Folding	24R-30	MFWD 190	223,000	150	8	0.035	0.83	0.97	2.94	0.22	4.99	5.22	1.33	11.55
NT Plant&Pre-Rigid	4R-30	2WD 130	34,600	150	8	0.211	5.02	4.01	2.74	0.77	12.56	4.86	4.35	21.78
NT Plant&Pre-Rigid	4R-38	2WD 130	36,000	150	8	0.166	3.95	3.16	2.24	0.61	9.98	3.98	3.42	17.39
NT Plant&Pre-Rigid	6R-30	MFWD 150	44,300	150	8	0.141	3.35	3.09	2.34	0.63	9.41	4.15	3.53	17.10
NT Plant&Pre-Rigid	6R-38	MFWD 150	43,500	150	8	0.111	2.64	2.44	1.81	0.49	7.40	3.21	2.78	13.40
NT Plant&Pre-Rigid	8R-22	MFWD 170	26,219	150	8	0.143	3.41	3.57	1.41	0.73	9.14	2.50	4.34	16.00
NT Plant&Pre-Rigid	8R-30	MFWD 170	54,500	150	8	0.105	2.51	2.62	2.16	0.54	7.84	3.83	3.19	14.87
NT Plant&Pre-Rigid	8R-38	MFWD 170	52,400	150	8	0.077	1.83	1.91	1.51	0.39	5.66	2.68	2.33	10.68
NT Plant&Pre-Rigid	10R-30	MFWD 190	51,900	150	8	0.084	2.01	2.35	1.64	0.54	6.55	2.91	3.21	12.68

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2022.
(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&Pre-Rigid	12R-20	MFWD 190	66,600	150	8	0.105	2.51	2.93	2.64	0.68	8.77	4.68	4.01	17.46
NT Plant&Pre-Rigid	12R-30	MFWD 190	86,500	150	8	0.070	1.67	1.95	2.28	0.45	6.37	4.05	2.67	13.10
NT Plant-Folding	8R-38	MFWD 170	62,500	150	8	0.077	1.84	1.92	1.81	0.39	5.99	3.22	2.34	11.56
NT Plant-Folding	8R-38 2x1	MFWD 170	96,300	150	8	0.051	1.22	1.28	1.86	0.26	4.64	3.30	1.56	9.51
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	1.86	2.18	1.53	0.50	6.08	2.71	2.98	11.78
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.47	1.72	1.10	0.39	4.69	1.96	2.35	9.01
NT Plant-Folding	12R-20	MFWD 190	77,500	150	8	0.098	2.33	2.72	2.85	0.63	8.54	5.05	3.72	17.33
NT Plant-Folding	12R-30	MFWD 190	84,300	150	8	0.065	1.55	1.81	2.06	0.42	5.86	3.66	2.48	12.01
NT Plant-Folding	12R-38	MFWD 190	96,300	150	8	0.051	1.22	1.43	1.86	0.33	4.86	3.30	1.96	10.13
NT Plant-Folding	16R-30	MFWD 190	132,000	150	8	0.049	1.16	1.36	2.43	0.31	5.27	4.30	1.86	11.44
NT Plant-Folding	23R-15	MFWD 190	182,000	150	8	0.068	1.62	1.89	4.65	0.43	8.60	8.24	2.58	19.44
NT Plant-Folding	24R-20	MFWD 190	204,000	150	8	0.049	1.16	1.36	3.75	0.31	6.60	6.65	1.86	15.12
NT Plant-Folding	24R-30	MFWD 190	208,000	150	8	0.032	0.77	0.90	2.55	0.21	4.45	4.52	1.24	10.21
NT Plant-Rigid	4R-30	2WD 130	28,400	150	8	0.196	4.66	3.73	2.09	0.72	11.21	3.70	4.04	18.96
NT Plant-Rigid	4R-38	2WD 130	29,500	150	8	0.154	3.67	2.93	1.71	0.56	8.89	3.03	3.18	15.10
NT Plant-Rigid	6R-30	MFWD 150	38,300	150	8	0.130	3.11	2.87	1.88	0.58	8.44	3.33	3.28	15.06
NT Plant-Rigid	6R-38	MFWD 150	37,300	150	8	0.103	2.45	2.26	1.44	0.46	6.63	2.56	2.59	11.78
NT Plant-Rigid	8R-22	MFWD 170	21,142	150	8	0.133	3.17	3.32	1.05	0.68	8.23	1.87	4.03	14.15
NT Plant-Rigid	8R-30	MFWD 170	48,900	150	8	0.098	2.33	2.44	1.80	0.50	7.07	3.19	2.96	13.23
NT Plant-Rigid	8R-38	MFWD 170	46,800	150	8	0.077	1.84	1.92	1.36	0.39	5.53	2.41	2.34	10.29
NT Plant-Rigid	10R-30	MFWD 190	46,500	150	8	0.078	1.86	2.18	1.37	0.50	5.92	2.42	2.98	11.33
NT Plant-Rigid	12R-20	MFWD 190	61,200	150	8	0.098	2.33	2.72	2.25	0.63	7.94	3.99	3.72	15.66
NT Plant-Rigid	12R-30	MFWD 190	76,200	150	8	0.065	1.55	1.81	1.87	0.42	5.66	3.31	2.48	11.46
Paratill & Bed	4R-30	MFWD 225	18,700	150	12	0.204	2.42	6.72	1.37	1.58	12.11	2.20	9.33	23.65
Paratill & Bed	4R-38	MFWD 225	18,700	150	12	0.160	1.91	5.29	1.08	1.24	9.53	1.73	7.35	18.62
Paratill & Bed	6R-30	MFWD 225	17,300	150	12	0.136	1.61	4.48	0.85	1.05	8.00	1.36	6.22	15.58
Paratill & Bed	6R-38	MFWD 225	25,500	150	12	0.107	1.27	3.53	0.99	0.83	6.63	1.58	4.91	13.13
Paratill & Bed	8R-30	MFWD 225	22,600	150	12	0.102	1.21	3.36	0.83	0.79	6.19	1.33	4.66	12.20
Paratill & Bed	8R382X1	MFWD 225	69,100	150	12	0.053	0.63	1.76	1.34	0.41	4.16	2.14	2.45	8.76
Paratill & Bed Fold.	8R-38	MFWD 225	46,900	150	12	0.080	0.95	2.65	1.36	0.62	5.60	2.18	3.69	11.48
Paratill & Bed Fold.	12R-38	MFWD 225	67,900	150	12	0.053	0.63	1.76	1.31	0.41	4.14	2.10	2.45	8.70
Paratill & Bed Rigid	8R-38	MFWD 225	39,800	150	12	0.080	0.95	2.65	1.16	0.62	5.40	1.85	3.69	10.94
Pipe Drag	30'	2WD 150	500	100	12	0.051	0.61	1.13	0.00	0.18	1.94	0.02	1.05	3.02
Pipe Spool 160ac	1/4m roll	2WD 130	6,500	15	12	0.003	0.09	0.05	0.01	0.01	0.17	0.11	0.06	0.35
Pipe Trailer 1m/160a	30'	2WD 130	2,700	100	15	0.003	0.18	0.07	0.00	0.01	0.26	0.00	0.07	0.35
Plant & Pre Folding	8R-38	MFWD 170	61,000	150	8	0.080	1.90	1.99	1.83	0.41	6.14	3.25	2.42	11.82
Plant & Pre Folding	8R38 2x1	MFWD 170	94,300	150	8	0.053	1.26	1.32	1.88	0.27	4.76	3.34	1.61	9.72
Plant & Pre Folding	10R-30	MFWD 190	51,900	150	8	0.081	1.93	2.25	1.58	0.52	6.29	2.80	3.08	12.17
Plant & Pre Folding	10R-38	MFWD 190	48,258	150	8	0.064	1.52	1.77	1.15	0.41	4.87	2.05	2.43	9.35
Plant & Pre Folding	12R-20	MFWD 190	72,600	150	8	0.101	2.41	2.82	2.76	0.65	8.65	4.89	3.85	17.40
Plant & Pre Folding	12R-30	MFWD 190	82,400	150	8	0.067	1.60	1.88	2.09	0.43	6.01	3.70	2.56	12.29
Plant & Pre Folding	12R-38	MFWD 190	94,300	150	8	0.053	1.26	1.48	1.88	0.34	4.98	3.34	2.02	10.36
Plant & Pre Folding	16R-30	MFWD 190	126,000	150	8	0.050	1.20	1.41	2.39	0.32	5.34	4.25	1.92	11.52
Plant & Pre Folding	23R-15	MFWD 190	169,000	150	8	0.070	1.67	1.95	4.46	0.45	8.55	7.91	2.67	19.15
Plant & Pre Folding	24R-20	MFWD 190	190,000	150	8	0.050	1.20	1.41	3.61	0.32	6.56	6.41	1.92	14.89
Plant & Pre Folding	24R-30	MFWD 190	198,000	150	8	0.033	0.80	0.94	2.51	0.21	4.47	4.45	1.28	10.21
Plant & Pre Rigid	4R-30	2WD 130	31,600	150	8	0.203	4.82	3.85	2.40	0.74	11.83	4.26	4.17	20.27
Plant & Pre Rigid	4R-38	2WD 130	32,600	150	8	0.159	3.79	3.03	1.95	0.58	9.37	3.46	3.28	16.13
Plant & Pre Rigid	6R-30	MFWD 150	39,300	150	8	0.135	3.21	2.96	1.99	0.60	8.78	3.53	3.39	15.71
Plant & Pre Rigid	6R-38	MFWD 150	38,900	150	8	0.106	2.53	2.34	1.55	0.47	6.91	2.76	2.67	12.36
Plant & Pre Rigid	8R-22	MFWD 170	23,550	150	8	0.138	3.28	3.43	1.22	0.70	8.64	2.16	4.17	14.97
Plant & Pre Rigid	8R-30	MFWD 170	47,800	150	8	0.101	2.41	2.52	1.82	0.52	7.27	3.22	3.06	13.56
Plant & Pre Rigid	8R-38	MFWD 170	45,700	150	8	0.080	1.90	1.99	1.37	0.41	5.68	2.43	2.42	10.55
Plant & Pre Rigid	10R-30	MFWD 190	46,000	150	8	0.081	1.93	2.25	1.40	0.52	6.11	2.48	3.08	11.67
Plant & Pre Rigid	12R-20	MFWD 190	55,700	150	8	0.101	2.41	2.82	2.12	0.65	8.00	3.75	3.85	15.61
Plant & Pre Rigid	12R-30	MFWD 190	74,200	150	8	0.067	1.60	1.88	1.88	0.43	5.80	3.33	2.56	11.71
Plant - Folding	8R-38	MFWD 170	54,300	150	8	0.074	1.77	1.85	1.51	0.38	5.52	2.68	2.25	10.46
Plant - Folding	8R-38 2x1	MFWD 170	84,000	150	8	0.049	1.17	1.23	1.56	0.25	4.22	2.77	1.49	8.49
Plant - Folding	10R-30	MFWD 190	47,426	150	8	0.075	1.79	2.09	1.34	0.48	5.71	2.37	2.86	10.95
Plant - Folding	10R-38	MFWD 190	43,011	150	8	0.059	1.41	1.65	0.95	0.38	4.40	1.70	2.25	8.36
Plant - Folding	12R-20	MFWD 190	65,200	150	8	0.094	2.24	2.61	2.30	0.60	7.77	4.08	3.57	15.43
Plant - Folding	12R-30	MFWD 190	72,100	150	8	0.062	1.49	1.74	1.69	0.40	5.34	3.01	2.38	10.74
Plant - Folding	12R-38	MFWD 190	84,000	150	8	0.049	1.17	1.37	1.56	0.31	4.43	2.77	1.88	9.09
Plant - Folding	16R-30	MFWD 190	115,000	150	8	0.047	1.12	1.30	2.03	0.30	4.76	3.60	1.78	10.15
Plant - Folding	23R-15	MFWD 190	158,000	150	8	0.065	1.55	1.81	3.87	0.42	7.67	6.87	2.48	17.03
Plant - Folding	24R-20	MFWD 190	179,000	150	8	0.047	1.12	1.30	3.16	0.30	5.89	5.60	1.78	13.29
Plant - Folding	24R-30	MFWD 190	184,000	150	8	0.031	0.74	0.87	2.16	0.20	3.99	3.84	1.19	9.02
Plant - Rigid	4R-30	2WD 130	24,400	150	8	0.188	4.48	3.58	1.72	0.69	10.48	3.05	3.87	17.41
Plant - Rigid	4R-38	2WD 130	25,400	150	8	0.148	3.52	2.82	1.41	0.54	8.30	2.50	3.05	13.86
Plant - Rigid	6R-30	MFWD 150	32,200	150	8	0.125	2.98	2.75	1.51	0.56	7.82	2.69	3.14	13.66
Plant - Rigid	6R-38	MFWD 150	31,200	150	8	0.099	2.35	2.17	1.16	0.44	6.13	2.05	2.48	10.68
Plant - Rigid	8R-22	MFWD 170	18,473	150	8	0.127	3.03	3.17	0.88	0.65	7.75	1.57	3.86	13.19
Plant - Rigid	8R-30	MFWD 170	40,900	150	8	0.094	2.24	2.34	1.44	0.48	6.51	2.56	2.84	11.92
Plant - Rigid	8R-38	MFWD 170	38,600	150	8	0.074	1.77	1.85	1.07	0.38	5.08	1.91	2.25	9.24
Plant - Rigid	10R-30	MFWD 190	40,700	150	8	0.075	1.79	2.09	1.15	0.48	5.52	2.04	2.86	10.42
Plant - Rigid	12R-20	MFWD 190	49,000	150	8	0.094	2.24	2.61	1.73	0.60	7.19	3.07	3.57	13.84
Plant - Rigid	12R-30	MFWD 190	64,000	150	8	0.062	1.49	1.74	1.50	0.40	5.15	2.67	2.38	10.21
Plant - Rigid	15R-15	2WD 150	61,700	150	8	0.094	2.24	2.06	2.18	0.34	6.83	3.86	1.91	12.61
Pull Levee (1m/80a))	4 blade	2WD 50	3,180	100	10	0.003	0.04	0.02	0.00	0.00	0.07	0.01	0.01	0.10
Rice Grain Cart	500 Bu	MFWD 190	29,100	200	12	0.057	0.67	1.58	0.45	0.36	3.08	0.71	2.16	5.96
Rice Grain Cart	700 Bu	MFWD 190	44,900	200	12	0.063	0.75	1.76	0.77	0.40	3.69	1.23	2.40	7.33
Roller	32'	MFWD 170	22,800	100	12	0.046	0.55	1.15	0.17	0.23	2.13	0.92	1.40	4.46
Rotary Cutter	7'	MFWD 130	4,500	185	10	0.168	2.00	3.19	0.61	0.68	6.50	0.40	3.86	10.77
Rotary Cutter	12'	2WD 150	14,100	185	10	0.098	1.16	2.15	1.12	0.35	4.79	0.73	1.99	7.53

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2022.

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----------------------							
Row Cond & Inc	13'	2WD 130	16,000	100	10	0.137	2.45	2.62	0.55	0.50	6.13	2.16	2.83	11.14
Row Cond & Inc	21'	2WD 170	21,600	100	10	0.085	1.52	2.12	0.46	0.42	4.53	1.81	2.51	8.86
Row Cond & Inc	26'	MFWD 190	28,500	100	10	0.063	1.12	1.76	0.45	0.40	3.75	1.77	2.40	7.93
Row Cond & Inc	38'	MFWD 225	38,000	100	10	0.047	0.84	1.55	0.44	0.36	3.20	1.76	2.15	7.12
Row Cond & Inc	42'	MFWD 225	20,400	100	10	0.040	0.71	1.32	0.20	0.31	2.55	0.80	1.83	5.19
Row Cond (Harrow)	13'	2WD 130	7,300	100	10	0.114	1.36	2.18	0.20	0.42	4.17	0.82	2.36	7.36
Row Cond (Harrow)	21'	2WD 170	12,000	100	10	0.071	0.84	1.76	0.21	0.35	3.18	0.83	2.09	6.11
Row Cond (Harrow)	27'	MFWD 190	12,400	100	10	0.057	0.68	1.59	0.17	0.36	2.82	0.70	2.17	5.70
Row Cond (Harrow)	38'	MFWD 225	22,200	100	10	0.039	0.46	1.29	0.21	0.30	2.28	0.85	1.79	4.93
Row Cond (Harrow)	42'	MFWD 225	15,582	100	10	0.035	0.42	1.16	0.13	0.27	2.00	0.54	1.62	4.17
Row Cond (Plant)	13'	2WD 130	7,120	100	10	0.157	1.86	2.98	0.27	0.57	5.71	1.10	3.23	10.04
Row Cond (Plant)	21'	2WD 170	11,700	100	10	0.097	1.15	2.41	0.28	0.48	4.34	1.11	2.86	8.33
Row Cond (Plant)	27'	MFWD 190	12,400	100	10	0.078	0.93	2.18	0.24	0.50	3.86	0.95	2.98	7.80
Row Cond (Plant)	38'	MFWD 225	16,587	100	10	0.053	0.63	1.76	0.22	0.41	3.04	0.87	2.45	6.38
Row Cond (Plant)	42'	MFWD 225	15,582	100	10	0.048	0.57	1.60	0.18	0.37	2.74	0.74	2.22	5.71
RT Cult (Early)	8R-30	2WD 170	20,774	200	12	0.103	1.22	2.56	1.02	0.51	5.33	0.96	3.04	9.33
RT Cult (Early)	12R-30	2WD 190	29,998	200	12	0.068	0.81	1.90	0.98	0.30	4.02	0.92	1.81	6.76
RT Cult (Late)	8R-30	2WD 170	20,774	200	12	0.128	1.53	3.20	1.28	0.64	6.66	1.20	3.80	11.66
RT Cult (Late)	12R-30	2WD 190	29,998	200	12	0.085	1.02	2.38	1.23	0.38	5.02	1.15	2.26	8.45
RT Cult + PD (Early)	8R-30	2WD 150	20,774	200	12	0.110	1.96	2.41	1.09	0.39	5.86	1.02	2.23	9.13
RT Cult + PD (Early)	12R-30	MFWD 225	29,998	200	12	0.073	1.30	2.41	1.05	0.56	5.34	0.98	3.35	9.68
RT Cult + PD (Late)	8R-30	2WD 170	26,264	200	12	0.137	2.45	3.41	1.73	0.68	8.28	1.62	4.05	13.96
RT Cult + PD (Late)	12R-30	2WD 190	35,493	200	12	0.091	1.63	2.54	1.55	0.40	6.14	1.46	2.41	10.02
SC 3Row (Cover)	18 ft	MFWD 150	10,750	200	9	0.120	1.43	2.64	1.43	0.53	6.05	0.38	3.01	9.45
SC 3Row (Hipper)	18 ft	MFWD 150	10,500	200	9	0.120	1.42	2.63	0.68	0.53	5.28	0.78	3.00	9.07
SC 3Row (Marker)	18 ft	MFWD 150	8,800	200	9	0.120	1.42	2.63	0.58	0.53	5.18	0.66	3.00	8.84
SC 3Row (Offbar)	18 ft	MFWD 150	11,500	200	10	0.120	1.42	2.63	0.69	0.53	5.28	0.79	3.00	9.08
SC 3Row (Opener)	18 ft	MFWD 150	7,800	200	10	0.120	1.42	2.63	0.46	0.53	5.06	0.53	3.00	8.60
SC 3Row Plow	18 ft	MFWD 190	17,000	200	9	0.120	1.42	3.33	1.11	0.77	6.64	1.27	4.55	12.47
SC Blade	8 ft	MFWD 150	3,500	100	12	0.877	10.42	19.23	2.55	3.91	36.13	1.92	21.97	60.03
SC Boom Sprayer	16 ft	MFWD 150	2,900	150	10	0.120	1.42	2.63	0.25	0.53	4.85	0.26	3.00	8.12
SC Burning Unit	18 ft	2WD 105	1,300	85	6	0.149	1.78	2.30	0.24	0.34	4.68	0.40	1.96	7.04
SC Cane Planters Aid	6 ft	MFWD 150	4,500	20	20	1.000	11.88	21.92	8.43	4.46	46.71	15.80	25.05	87.56
SC Cane Plt-1R Bille	1 row	MFWD 150	22,000	150	20	0.670	7.95	14.69	3.68	2.99	29.32	6.90	16.78	53.01
SC Cane Plt-3R Bille	3 row	2WD 50	34,000	50	20	0.200	2.37	1.46	5.10	0.19	9.13	9.55	1.08	19.76
SC Cane Plt-Whlstalk	6 ft	MFWD 150	22,000	150	20	0.670	7.95	14.69	3.68	2.99	29.32	6.90	16.78	53.01
SC Cane Wagon 10T	10 Ton	MFWD 150	7,500	400	15	0.500	6.53	12.06	0.62	2.45	21.67	0.79	12.52	34.99
SC Cane Wgn Billt HD	10Ton	MFWD 150	40,000	750	9	0.600	7.84	14.47	5.33	2.94	30.59	3.85	15.03	49.47
SC Chisel Plow	13 ft	MFWD 190	6,000	200	6	0.219	2.61	6.10	0.96	1.41	11.09	1.15	8.34	20.59
SC Chisel Plow	23 ft	MFWD 190	12,000	200	6	0.120	1.42	3.33	0.49	0.77	6.02	1.26	4.55	11.84
SC Cultimulcher	12 ft	2WD 105	5,500	120	15	0.110	1.30	1.68	0.29	0.25	3.54	0.42	1.43	5.41
SC Cultivate + Post	6 Row	2WD 170	8,200	200	10	0.110	1.30	2.73	0.39	0.55	4.98	0.51	3.24	8.74
SC Cultivator	30" 6 Row	2WD 150	5,350	200	10	0.140	1.66	3.07	0.32	0.50	5.57	0.43	2.84	8.85
SC Disk	12 ft	2WD 50	8,500	200	10	0.149	1.78	1.09	0.56	0.14	3.58	0.73	0.81	5.12
SC Disk	20 ft	MFWD 190	17,500	200	10	0.100	1.18	2.77	0.77	0.64	5.37	1.00	3.79	10.18
SC Disk	26 ft	2WD 170	21,000	200	10	0.069	0.83	1.73	0.64	0.34	3.56	0.84	2.06	6.47
SC Disk + Pre	6 row	2WD 170	9,250	200	10	0.100	1.18	2.48	0.40	0.50	4.58	0.53	2.94	8.05
SC Double Hitch	DBLHTCH	2WD 50	0	1000	10	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SC Drain Cleaner	6 ft	MFWD 75	3,750	300	9	0.080	0.95	0.87	0.13	0.10	2.07	0.12	0.61	2.80
SC Fert 3Row Lq App	18 ft	MFWD 150	7,000	200	10	0.130	1.54	2.85	0.36	0.58	5.34	0.52	3.25	9.12
SC Fert DrySlingApp	42 ft	MFWD 150	6,500	150	10	0.059	0.71	1.31	0.22	0.26	2.52	0.29	1.50	4.32
SC Flat Roller	18 ft	MFWD 150	1,400	75	9	0.190	2.25	4.16	0.47	0.84	7.75	0.44	4.76	12.95
SC Hauling Hitch	6 ft	4WD 225	1,000	500	15	1.000	11.88	32.89	0.13	4.59	49.50	0.16	27.09	76.76
SC Land Plane	15 ft	MFWD 150	10,000	200	15	0.300	3.56	6.58	0.66	1.34	12.15	1.27	7.52	20.95
SC Rotary Ditcher	6 ft	MFWD 150	12,500	100	10	0.250	2.97	5.48	3.12	1.11	12.69	3.59	6.26	22.54
SC Rotary Hoe	18 ft	2WD 130	4,500	75	12	0.080	0.95	1.52	0.41	0.29	3.17	0.47	1.64	5.29
SC Rotary Mower	13.1 ft	MFWD 75	7,000	150	10	0.250	2.97	2.74	0.51	0.34	6.56	1.34	1.91	9.82
SC Rototiller	18 ft	MFWD 190	20,000	150	10	0.219	2.61	6.10	3.51	1.41	13.64	3.36	8.34	25.35
SC Tractor Blade	6 ft	2WD 105	3,500	100	15	1.000	11.88	15.34	0.86	2.33	30.42	2.97	13.08	46.48
SC Tractor Spreader	20 ft	2WD 105	700	150	10	0.110	1.30	1.68	0.04	0.25	3.29	0.05	1.43	4.79
SC Trailer Utility	10 ft	2WD 130	2,000	200	15	1.000	11.88	19.00	0.23	3.66	34.78	0.84	20.56	56.20
SCMechanical Planter	6 ft	MFWD 150	15,500	160	10	1.000	11.88	21.92	7.26	4.46	45.54	11.13	25.05	81.73
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.00	1.16	0.34	0.27	2.78	0.64	1.59	5.02
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.00	1.16	0.34	0.27	2.78	0.64	1.59	5.02
Spray (Band)	27'	MFWD 170	7,400	200	8	0.062	1.11	1.55	0.21	0.32	3.21	0.24	1.89	5.35
Spray (Band)	40'	MFWD 170	10,200	200	8	0.042	0.75	1.05	0.20	0.21	2.22	0.22	1.27	3.72
Spray (Band)	50'	MFWD 170	10,100	200	8	0.033	0.60	0.84	0.16	0.17	1.77	0.17	1.02	2.98
Spray (Band)	53'	MFWD 170	9,940	200	8	0.031	0.56	0.79	0.14	0.16	1.67	0.16	0.96	2.80
Spray (Band)	60'	MFWD 170	13,200	200	8	0.028	0.50	0.70	0.17	0.14	1.52	0.19	0.85	2.57
Spray (Bcast/HB)	13' Rigid	MFWD 150	8,500	200	8	0.130	2.31	2.85	0.51	0.58	6.27	0.58	3.26	10.11
Spray (Bcast/HB)	20' Rigid	2WD 50	9,960	200	8	0.084	1.50	0.61	0.39	0.08	2.60	0.44	0.45	3.50
Spray (Bcast/HB)	27' Fold	MFWD 170	16,200	200	8	0.062	1.11	1.55	0.47	0.32	3.47	0.53	1.89	5.89
Spray (Bcast/HB)	27' Rigid	MFWD 170	11,700	200	8	0.062	1.11	1.55	0.34	0.32	3.33	0.38	1.89	5.61
Spray (Bcast/HB)	30' Fold	MFWD 170	18,900	200	8	0.056	1.00	1.40	0.49	0.28	3.19	0.56	1.70	5.46
Spray (Bcast/HB)	40' Fold	MFWD 170	19,900	200	8	0.042	0.75	1.05	0.39	0.21	2.41	0.44	1.27	4.13
Spray (Bcast/HB/HD)	27'	MFWD 170	22,400	200	8	0.062	1.11	1.55	0.65	0.32	3.65	0.73	1.89	6.28

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2022.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	---------------------$/acre---------------------							
Spray (Bcast/HB/HD)	40'	MFWD 170	32,200	200	8	0.042	0.75	1.05	0.63	0.21	2.66	0.71	1.27	4.65
Spray (Broadcast)	27'	MFWD 170	7,400	200	8	0.062	1.11	1.55	0.21	0.32	3.21	0.24	1.89	5.35
Spray (Broadcast)	40'	MFWD 170	10,200	200	8	0.042	0.75	1.05	0.20	0.21	2.22	0.22	1.27	3.72
Spray (Broadcast)	50'	MFWD 170	10,100	200	8	0.033	0.60	0.84	0.16	0.17	1.77	0.17	1.02	2.98
Spray (Broadcast)	53'	MFWD 170	9,940	200	8	0.031	0.56	0.79	0.14	0.16	1.67	0.16	0.96	2.80
Spray (Broadcast)	60'	MFWD 170	14,700	200	8	0.028	0.50	0.70	0.19	0.14	1.54	0.21	0.85	2.61
Spray (Direct/Hood)	8R-30	MFWD 170	17,800	200	8	0.084	1.50	2.10	0.70	0.43	4.75	0.79	2.55	8.09
Spray (Direct/Hood)	8R-38	MFWD 170	18,700	200	8	0.066	1.19	1.66	0.58	0.34	3.78	0.65	2.02	6.46
Spray (Direct/Hood)	12R-30	MFWD 170	24,900	200	8	0.056	1.00	1.40	0.65	0.28	3.35	0.73	1.70	5.79
Spray (Direct/Hood)	12R-38	MFWD 170	26,100	200	8	0.044	0.79	1.10	0.54	0.22	2.67	0.61	1.34	4.62
Spray (Direct/Layby)	8R-30	MFWD 170	15,500	200	8	0.084	1.50	2.10	0.61	0.43	4.65	0.68	2.55	7.90
Spray (Direct/Layby)	8R-38	MFWD 170	15,500	200	8	0.066	1.19	1.66	0.48	0.34	3.68	0.54	2.02	6.24
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	22,900	200	8	0.044	0.79	1.10	0.47	0.22	2.60	0.53	1.34	4.48
Spray (Direct/Layby)	10R-30	MFWD 170	12,200	200	8	0.067	1.20	1.68	0.38	0.34	3.62	0.43	2.04	6.10
Spray (Direct/Layby)	12R-30	MFWD 170	22,900	200	8	0.056	1.00	1.40	0.60	0.28	3.30	0.67	1.70	5.68
Spray (Direct/Layby)	12R-38	MFWD 170	22,900	200	8	0.044	0.79	1.10	0.47	0.22	2.60	0.53	1.34	4.48
Spray (Direct/Layby)	16R-20	MFWD 170	26,700	200	8	0.063	1.12	1.57	0.79	0.32	3.82	0.88	1.91	6.62
Spray (Spot)	27'	MFWD 170	7,400	200	8	0.062	1.11	1.55	0.21	0.32	3.21	0.24	1.89	5.35
Spray (Spot)	40'	MFWD 170	10,200	200	8	0.042	0.75	1.05	0.20	0.21	2.22	0.22	1.27	3.72
Spray (Spot)	50'	MFWD 170	13,700	200	8	0.033	0.60	0.84	0.21	0.17	1.83	0.24	1.02	3.10
Spray (Spot)	53'	MFWD 170	10,100	200	8	0.031	0.56	0.79	0.15	0.16	1.67	0.16	0.96	2.81
Spray (Spot)	60'	MFWD 170	15,600	200	8	0.028	0.50	0.70	0.20	0.14	1.55	0.23	0.85	2.63
Stalk Shredder	14'	MFWD 150	14,900	200	10	0.117	1.40	2.58	1.53	0.52	6.04	0.86	2.95	9.86
Stalk Shredder	20'	MFWD 150	33,100	200	10	0.082	0.98	1.80	2.38	0.36	5.54	1.34	2.06	8.95
Stalk Shredder-Flail	12'	MFWD 150	25,900	200	10	0.137	1.63	3.01	3.11	0.61	8.37	1.75	3.44	13.57
Stalk Shredder-Flail	20'	MFWD 150	33,100	200	10	0.082	0.98	1.80	2.38	0.36	5.54	1.34	2.06	8.95
Subsoiler	3 shank	MFWD 190	6,500	100	15	0.204	2.42	5.67	0.44	1.31	9.86	0.99	7.75	18.61
Subsoiler	4 shank	MFWD 225	11,430	100	15	0.153	1.82	5.05	0.58	1.19	8.65	1.31	7.01	16.98
Subsoiler	5 shank	MFWD 225	14,630	100	15	0.122	1.45	4.02	0.59	0.94	7.02	1.34	5.59	13.95
Subsoiler low-till	4 shank	MFWD 225	9,830	100	15	0.153	1.82	5.05	0.50	1.19	8.57	1.13	7.01	16.72
Subsoiler low-till	6 shank	MFWD 225	20,000	100	15	0.102	1.21	3.36	0.68	0.79	6.04	1.53	4.66	12.24
Subsoiler low-till	8 shank	MFWD 225	21,400	100	15	0.076	0.90	2.51	0.54	0.59	4.56	1.22	3.49	9.28
TerraTill Bed w/roll	4R-38	MFWD 225	14,300	150	12	0.160	1.91	5.29	0.83	1.24	9.28	1.32	7.35	17.96
TerraTill Bed w/roll	6R-38	MFWD 225	19,400	150	12	0.107	1.27	3.53	0.75	0.83	6.40	1.20	4.91	12.51
TerraTill Bed w/roll	4R-30	MFWD 225	14,300	150	12	0.204	2.42	6.72	1.05	1.58	11.78	1.68	9.33	22.80
TerraTill Bed w/roll	6R-30	MFWD 225	15,310	150	12	0.136	1.61	4.48	0.75	1.05	7.90	1.20	6.22	15.33