

# **Projected Costs and Returns Crop Enterprise Budgets for Soybean Production in Louisiana, 2023**

**Michael A. Deliberto and Brian M. Hilbun**



**Farm Management Research & Extension  
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[www.lsuagcenter.com](http://www.lsuagcenter.com)**

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by

Michael A. Deliberto and Brian M. Hilbun <sup>1</sup>

<sup>1</sup> Assistant Professor and Research Associate

Department of Agricultural Economics and Agribusiness, LSU Agricultural Center, Baton Rouge, LA.

## Introduction

This publication presents estimates of projected costs and returns for soybean production in Louisiana for the 2023 crop year. Crop producers are annually faced with critical management decisions that impact the employment of production inputs for various crop enterprises and the combination of crops that will be assembled into a cropping system. The need for reliable information is crucial if sound production decisions are to be made. Planning information plays a pivotal role in the development of annual crop production plans by producers and is important in supporting their efforts to secure the necessary resources to carry out their plans. In addition, information regarding production alternatives and costs and returns for major crop enterprises is needed by extension personnel, researchers, lending institutions, and others involved in agriculture or agribusiness. The purpose of this report is to provide planning information regarding crop production costs and market returns for the 2023 crop year.

Crop enterprise budgets in this report are presented in two budget formats. The first budget format (table A) is a summary of costs and returns for the crop enterprise. The second budget format (table B) provides a table listing the sequence of production operations, indicating the equipment and implements used, month of operation, labor required, machine time required, and materials used. Labor costs, material costs, custom costs, and direct and fixed costs for tractors and equipment are also included for each operation. All costs are summed giving the total cost per operation or practice. 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 2023 planning budgets. Machinery and other input cost data are presented in the Appendix.

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

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

estimating projected commodity costs and returns information for upcoming crop year planning purposes.

### ***Expected Crop Yields and Market Prices***

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

### ***Direct Production Costs***

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

Hired labor was charged at \$13.67 per hour for all classes of labor except for harvest machinery and laser leveling operator labor. This wage rate include a basic wage rate plus additional costs for social security, Medicare, and workman's compensation. Operator labor was charged at \$16.54 per hour, which includes a basic wage rate plus additional costs for social security, Medicare, and workman's compensation. The higher wage rate was

charged for these classes of operators because of the relatively higher skills required to run these types of machinery and the general consensus that these operators are generally twelve month (salaried) employees i.e. foremen. Farm labor may not be generally available on an hourly basis; however, an hourly charge represents a practical method for charging labor to the respective crop enterprises on a per acre basis.

Interest on operating capital (short term) was charged at a nominal rate of 6.40% per year. Operating capital was assumed to be borrowed in a manner consistent with timely acquisition of inputs. Fuel price for diesel was \$4.00 per gallon. Variable costs for tractors, self-propelled machinery, and irrigation machinery include the cost of fuel, lubrication, and repair.

The intermediate term interest rate was charged at an historical real rate of 6.90%. The reasoning behind the difference in short and intermediate term rates is that longer term nominal rates are highly variable and closely follow the trend set by the rate of inflation. Intermediate term interest rates above the real rate of interest can overstate true interest costs because they overlook the value gained by an asset due solely to inflation.

### ***Farm Machinery Costs***

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

### ***Overhead Costs***

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

### ***Land and Management Charges***

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

### **Acknowledgments**

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

### **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](http://www.lsuagcenter.com)

Table 1.A Estimated costs per Acre  
 Soybeans, RR, 8-row equipment, stale seedbed, non-irrigated,  
 alluvial soils, Northeast Louisiana, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	3.0000	22.80	_____
App by Air ( 3 gal)	appl	6.40	5.0000	32.00	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_____
2,4-D Amine 4	pt	3.25	1.0000	3.25	_____
Valor WP	oz	3.20	2.0000	6.40	_____
Dual II Magnum	pt	11.60	1.0000	11.60	_____
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	2.75	10.0000	27.50	_____
Surfactant	pt	3.30	1.0000	3.30	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	50.0000	58.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
Soil Test	acre	10.00	0.3300	3.30	_____
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_____
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_____
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_____
LA Hired Labor					
Implements	hour	13.67	0.1345	1.84	_____
Tractors	hour	13.67	0.4272	5.83	_____
DIESEL FUEL					
Tractors	gal	4.00	4.0612	16.26	_____
Harvesters	gal	4.00	1.2047	4.82	_____
REPAIR & MAINTENANCE					
Implements	Acre	6.82	1.0000	6.82	_____
Tractors	Acre	2.78	1.0000	2.78	_____
Harvesters	Acre	4.11	1.0000	4.11	_____
INTEREST ON OP. CAP.	Acre	10.00	1.0000	10.00	_____
				-----	
TOTAL DIRECT EXPENSES				443.94	_____
FIXED EXPENSES					
Implements	Acre	13.63	1.0000	13.63	_____
Tractors	Acre	19.65	1.0000	19.65	_____
Harvesters	Acre	18.06	1.0000	18.06	_____
				-----	
TOTAL FIXED EXPENSES				51.34	_____
				-----	
TOTAL SPECIFIED EXPENSES				495.28	_____

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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Oct	3.56	3.71	1.53	1.95	0.11	1.59				12.34
LA Phosphate	lb											50.0000	0.90	45.00	45.00
LA Potash	lb											50.0000	0.67	33.50	33.50
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Disk Bed (Hipper)Fld	8R-38	MFWD 190	0.074	1.00	Oct	3.40	3.54	0.62	1.85	0.07	1.01				10.42
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air ( 5 gal)	appl			1.00	Mar							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	8R-38	MFWD 170	0.074	1.00	May	3.04	3.06	1.81	3.95	0.14	2.04				13.90
Soybean Seed RR	lb											50.0000	1.16	58.00	58.00
Ditcher		2WD 130	0.020	1.00	May	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.73	1.74	0.20	0.28	0.06	0.87				4.82
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	11.60	11.60	11.60
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
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	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	6.73	40.38	40.38
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	23.93	14.96	14.96
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 5 gal)	appl			1.00	Sep							1.0000	7.60	7.60	7.60
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	3.30	3.30	3.30
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	8.93	18.06	1.00	1.71	0.08	1.41				31.11
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
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						27.97	37.71	6.82	13.63	0.64	9.08			390.07	485.28
INTEREST ON OPERATING CAPITAL															10.00
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															495.28



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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			6.66	7.12	7.65	8.26	8.99	9.86	10.93	12.26	13.97	16.26	19.45
PERCENT	YIELD	UNIT	-----dollars-----										
50	22.50	bu	-287	-277	-265	-251	-235	-215	-191	-161	-123	-71	0
			-339	-328	-316	-303	-286	-267	-243	-213	-174	-123	-51
60	27.00	bu	-258	-246	-232	-215	-196	-172	-143	-107	-61	0	86
			-310	-298	-283	-267	-247	-224	-195	-159	-113	-51	34
70	31.50	bu	-230	-215	-199	-179	-156	-129	-95	-53	0	71	172
			-281	-267	-250	-231	-208	-180	-147	-105	-51	20	121
80	36.00	bu	-201	-184	-166	-143	-117	-86	-47	0	61	143	258
			-252	-236	-217	-195	-169	-137	-99	-51	10	92	207
90	40.50	bu	-172	-154	-132	-107	-78	-43	0	53	123	215	345
			-224	-205	-184	-159	-129	-94	-51	2	71	164	293
100	45.00	bu	-143	-123	-99	-71	-39	0	47	107	184	287	431
			-195	-174	-150	-123	-90	-51	-3	56	133	236	380
110	49.50	bu	-115	-92	-66	-35	0	43	95	161	246	359	517
			-166	-143	-117	-87	-51	-8	44	110	195	308	466
120	54.00	bu	-86	-61	-33	0	39	86	143	215	308	431	604
			-137	-113	-84	-51	-12	34	92	164	256	380	552
130	58.50	bu	-57	-30	0	35	78	129	191	269	369	503	690
			-108	-82	-51	-15	27	78	140	218	318	452	639
140	63.00	bu	-28	0	33	71	117	172	239	323	431	575	776
			-80	-51	-18	20	66	121	188	272	380	524	725
150	67.50	bu	0	30	66	107	156	215	287	377	493	647	863
			-51	-20	15	56	105	164	236	326	441	596	811

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			7.42	7.93	8.52	9.21	10.03	11.00	12.19	13.68	15.60	18.16	21.73
PERCENT	YIELD	UNIT	-----dollars-----										
50	22.50	bu	-270	-259	-245	-230	-212	-190	-163	-129	-86	-29	51
			-322	-310	-297	-281	-263	-241	-214	-181	-138	-80	0
60	27.00	bu	-238	-224	-208	-190	-168	-141	-109	-69	-17	51	147
			-289	-276	-260	-241	-219	-193	-161	-120	-69	0	96
70	31.50	bu	-206	-190	-171	-149	-124	-93	-55	-9	51	131	244
			-257	-241	-222	-201	-175	-144	-107	-60	0	80	193
80	36.00	bu	-174	-155	-134	-109	-80	-45	-2	51	120	212	341
			-225	-207	-185	-161	-131	-96	-53	0	69	161	289
90	40.50	bu	-141	-121	-97	-69	-36	3	51	111	189	292	437
			-193	-172	-148	-120	-87	-48	0	60	138	241	386
100	45.00	bu	-109	-86	-60	-29	7	51	105	172	258	373	534
			-161	-138	-111	-80	-43	0	53	120	207	322	483
110	49.50	bu	-77	-52	-22	11	51	99	158	232	327	453	630
			-128	-103	-74	-40	0	48	107	181	276	402	579
120	54.00	bu	-45	-17	14	51	95	147	212	292	396	534	727
			-96	-69	-37	0	43	96	161	241	345	483	676
130	58.50	bu	-13	16	51	91	139	196	266	353	465	614	824
			-64	-34	0	40	87	144	214	301	414	563	772
140	63.00	bu	19	51	88	131	183	244	319	413	534	695	920
			-32	0	37	80	131	193	268	362	483	644	869
150	67.50	bu	51	85	125	172	226	292	373	473	603	775	1017
			0	34	74	120	175	241	322	422	552	724	966

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	2.0000	15.20	_____
App by Air ( 3 gal)	appl	6.40	6.0000	38.40	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_____
2,4-D Amine 4	pt	3.25	1.0000	3.25	_____
Valor WP	oz	3.20	2.0000	6.40	_____
Dual II Magnum	pt	11.60	1.0000	11.60	_____
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	2.75	10.0000	27.50	_____
Surfactant	pt	3.30	1.0000	3.30	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	50.0000	58.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
Soil Test	acre	10.00	0.3300	3.30	_____
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_____
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	_____
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_____
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	_____
LA Hired Labor					
Implements	hour	13.67	0.1345	1.84	_____
Tractors	hour	13.67	0.7203	9.84	_____
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_____
DIESEL FUEL					
Tractors	gal	4.00	6.8886	27.56	_____
Harvesters	gal	4.00	1.2047	4.82	_____
Roll-Out Pipe Irr.	gal	4.00	4.8877	19.56	_____
REPAIR & MAINTENANCE					
Implements	Acre	7.20	1.0000	7.20	_____
Tractors	Acre	4.72	1.0000	4.72	_____
Harvesters	Acre	4.11	1.0000	4.11	_____
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_____
INTEREST ON OP. CAP.	Acre	11.14	1.0000	11.14	_____
				-----	
TOTAL DIRECT EXPENSES				499.18	_____
FIXED EXPENSES					
Implements	Acre	14.87	1.0000	14.87	_____
Tractors	Acre	33.35	1.0000	33.35	_____
Harvesters	Acre	18.06	1.0000	18.06	_____
Roll-Out Pipe Irr.	Acre	59.91	1.0000	59.91	_____
				-----	
TOTAL FIXED EXPENSES				126.19	_____
				-----	
TOTAL SPECIFIED EXPENSES				625.37	_____

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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
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	3.56	3.71	1.53	1.95	0.11	1.59				12.34
LA Phosphate	lb											50.0000	0.90	45.00	45.00
LA Potash	lb											50.0000	0.67	33.50	33.50
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct	3.40	3.54	0.57	1.71	0.07	1.01				10.23
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air ( 5 gal)	appl			1.00	Mar							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	8R-38	MFWD 170	0.074	1.00	May	3.04	3.06	1.81	3.95	0.14	2.04				13.90
Soybean Seed RR	lb											50.0000	1.16	58.00	58.00
Ditcher		2WD 130	0.020	1.00	May	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.73	1.74	0.20	0.28	0.06	0.87				4.82
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	11.60	11.60	11.60
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
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	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	6.73	40.38	40.38
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	23.93	14.96	14.96
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 3 gal)	appl			1.00	Sep							1.0000	6.40	6.40	6.40
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	3.30	3.30	3.30
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	8.93	18.06	1.00	1.71	0.08	1.41				31.11
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
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.	Acres				Jul	13.24	13.70	25.35	61.29	0.44	6.14	1.0000		7.92	127.64
TOTALS						41.21	51.41	32.12	74.78	1.09	15.22			399.49	614.23
INTEREST ON OPERATING CAPITAL															11.14
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															625.37

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			6.14	6.56	7.04	7.60	8.27	9.07	10.05	11.27	12.84	14.94	17.87
PERCENT	YIELD	UNIT	-----dollars-----										
50	27.50	bu	-322	-311	-297	-282	-264	-242	-215	-181	-138	-80	0
			-448	-437	-424	-408	-390	-368	-341	-307	-264	-206	-126
60	33.00	bu	-290	-276	-260	-242	-220	-193	-161	-121	-69	0	96
			-416	-402	-386	-368	-346	-319	-287	-247	-195	-126	-29
70	38.50	bu	-258	-242	-223	-201	-176	-145	-107	-60	0	80	193
			-384	-368	-349	-327	-302	-271	-233	-186	-126	-45	67
80	44.00	bu	-225	-207	-186	-161	-132	-96	-53	0	69	161	290
			-352	-333	-312	-287	-258	-223	-179	-126	-57	35	164
90	49.50	bu	-193	-172	-148	-121	-88	-48	0	60	138	242	387
			-319	-299	-275	-247	-214	-174	-126	-65	12	115	261
100	55.00	bu	-161	-138	-111	-80	-44	0	53	121	207	322	484
			-287	-264	-237	-206	-170	-126	-72	-5	81	196	357
110	60.50	bu	-129	-103	-74	-40	0	48	107	181	276	403	581
			-255	-229	-200	-166	-126	-77	-18	55	150	277	454
120	66.00	bu	-96	-69	-37	0	44	96	161	242	345	484	677
			-223	-195	-163	-126	-82	-29	35	115	219	357	551
130	71.50	bu	-64	-34	0	40	88	145	215	302	415	564	774
			-190	-160	-126	-85	-38	19	88	176	288	438	648
140	77.00	bu	-32	0	37	80	132	193	268	363	484	645	871
			-158	-126	-88	-45	5	67	142	236	357	519	745
150	82.50	bu	0	34	74	121	176	242	322	423	553	726	968
			-126	-91	-51	-5	49	115	196	297	427	600	842

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			7.67	8.19	8.80	9.52	10.36	11.37	12.60	14.14	16.12	18.76	22.46
PERCENT	YIELD	UNIT	-----dollars-----										
50	27.50	bu	-280	-266	-249	-229	-206	-178	-145	-102	-48	24	126
			-406	-392	-375	-356	-332	-305	-271	-228	-174	-101	0
60	33.00	bu	-240	-222	-202	-178	-151	-117	-77	-26	38	126	248
			-366	-348	-328	-305	-277	-244	-203	-152	-87	0	122
70	38.50	bu	-199	-178	-155	-128	-95	-56	-9	49	126	227	370
			-325	-305	-281	-254	-221	-183	-135	-76	0	101	244
80	44.00	bu	-158	-135	-108	-77	-40	4	58	126	213	329	492
			-284	-261	-234	-203	-166	-122	-67	0	87	203	366
90	49.50	bu	-117	-91	-61	-26	15	65	126	202	300	431	614
			-244	-217	-187	-152	-110	-61	0	76	174	305	488
100	55.00	bu	-77	-48	-14	24	70	126	194	278	387	533	736
			-203	-174	-140	-101	-55	0	67	152	261	406	610
110	60.50	bu	-36	-4	32	75	126	187	261	355	474	634	858
			-162	-130	-93	-50	0	61	135	228	348	508	732
120	66.00	bu	4	38	79	126	181	248	329	431	562	736	980
			-122	-87	-46	0	55	122	203	305	435	610	854
130	71.50	bu	44	82	126	177	237	309	397	507	649	838	1102
			-81	-43	0	50	110	183	271	381	523	712	976
140	77.00	bu	85	126	173	227	292	370	465	583	736	940	1224
			-40	0	46	101	166	244	339	457	610	813	1098
150	82.50	bu	126	169	220	278	348	431	533	660	823	1041	1346
			0	43	93	152	221	305	406	534	697	915	1220

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	2.0000	15.20	_____
App by Air ( 3 gal)	appl	6.40	6.0000	38.40	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_____
2,4-D Amine 4	pt	3.25	1.0000	3.25	_____
Valor WP	oz	3.20	2.0000	6.40	_____
Dual II Magnum	pt	11.60	1.0000	11.60	_____
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	2.75	10.0000	27.50	_____
Surfactant	pt	3.30	1.0000	3.30	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	50.0000	58.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
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	16.54	0.0851	1.41	_____
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	_____
LA Hired Labor					
Implements	hour	13.67	0.1345	1.84	_____
Tractors	hour	13.67	0.7203	9.84	_____
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_____
DIESEL FUEL					
Tractors	gal	4.00	6.8886	27.56	_____
Harvesters	gal	4.00	1.2047	4.82	_____
Roll-Out Pipe Irr.	gal	4.00	4.8877	19.56	_____
REPAIR & MAINTENANCE					
Implements	Acre	7.48	1.0000	7.48	_____
Tractors	Acre	4.72	1.0000	4.72	_____
Harvesters	Acre	4.11	1.0000	4.11	_____
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_____
INTEREST ON OP. CAP.	Acre	10.92	1.0000	10.92	_____
TOTAL DIRECT EXPENSES				478.42	_____
FIXED EXPENSES					
Implements	Acre	15.31	1.0000	15.31	_____
Tractors	Acre	33.35	1.0000	33.35	_____
Harvesters	Acre	18.06	1.0000	18.06	_____
Roll-Out Pipe Irr.	Acre	59.91	1.0000	59.91	_____
TOTAL FIXED EXPENSES				126.63	_____
TOTAL SPECIFIED EXPENSES				605.05	_____

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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Oct	3.56	3.71	1.53	1.95	0.11	1.59				12.34
LA Phosphate	lb											50.0000	0.90	45.00	45.00
LA Potash	lb											50.0000	0.67	33.50	33.50
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Disk Bed (Hipper)Fld	8R-38	MFWD 190	0.074	1.00	Oct	3.40	3.54	0.62	1.85	0.07	1.01				10.42
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air ( 5 gal)	appl			1.00	Mar							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	8R-38	MFWD 170	0.074	1.00	May	3.04	3.06	1.81	3.95	0.14	2.04				13.90
Soybean Seed RR	lb											50.0000	1.16	58.00	58.00
Ditcher		2WD 130	0.020	1.00	May	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.73	1.74	0.43	0.58	0.06	0.87				5.35
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	11.60	11.60	11.60
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
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	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	6.73	40.38	40.38
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	23.93	14.96	14.96
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 3 gal)	appl			1.00	Sep							1.0000	6.40	6.40	6.40
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	3.30	3.30	3.30
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	8.93	18.06	1.00	1.71	0.08	1.41				31.11
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
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	13.24	13.70	25.35	61.29	0.44	6.14	1.0000		7.92	127.64
TOTALS						41.21	51.41	32.40	75.22	1.09	15.22			378.67	594.13
INTEREST ON OPERATING CAPITAL															10.92
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															605.05

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			6.46	6.91	7.42	8.01	8.72	9.56	10.60	11.89	13.55	15.76	18.86
PERCENT	YIELD	UNIT	-----dollars-----										
50	25.00	bu	-309	-298	-286	-271	-253	-232	-206	-174	-132	-77	0
			-436	-425	-412	-397	-380	-359	-333	-300	-259	-204	-126
60	30.00	bu	-278	-265	-250	-232	-211	-185	-154	-116	-66	0	92
			-405	-392	-376	-359	-337	-312	-281	-242	-193	-126	-33
70	35.00	bu	-247	-232	-214	-193	-169	-139	-103	-58	0	77	185
			-374	-359	-341	-320	-295	-266	-229	-184	-126	-49	59
80	40.00	bu	-216	-199	-178	-154	-126	-92	-51	0	66	154	278
			-343	-325	-305	-281	-253	-219	-178	-126	-60	28	152
90	45.00	bu	-185	-165	-143	-116	-84	-46	0	58	132	232	371
			-312	-292	-269	-242	-211	-173	-126	-68	6	105	245
100	50.00	bu	-154	-132	-107	-77	-42	0	51	116	199	309	464
			-281	-259	-233	-204	-168	-126	-74	-10	72	183	338
110	55.00	bu	-123	-99	-71	-38	0	46	103	174	265	387	557
			-250	-226	-198	-165	-126	-80	-23	47	138	260	431
120	60.00	bu	-92	-66	-35	0	42	92	154	232	331	464	650
			-219	-193	-162	-126	-84	-33	28	105	205	338	524
130	65.00	bu	-61	-33	0	38	84	139	206	290	398	542	743
			-188	-159	-126	-87	-42	12	79	163	271	415	617
140	70.00	bu	-30	0	35	77	126	185	258	348	464	619	836
			-157	-126	-90	-49	0	59	131	221	338	493	709
150	75.00	bu	0	33	71	116	169	232	309	406	531	697	929
			-126	-93	-55	-10	42	105	183	280	404	570	802

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			8.15	8.72	9.37	10.12	11.02	12.10	13.41	15.05	17.17	19.98	23.92
PERCENT	YIELD	UNIT	-----dollars-----										
50	25.00	bu	-267	-253	-237	-218	-195	-169	-136	-95	-42	28	126
			-394	-380	-363	-344	-322	-295	-262	-221	-168	-98	0
60	30.00	bu	-228	-211	-191	-169	-142	-109	-70	-21	42	126	244
			-354	-337	-318	-295	-268	-236	-197	-147	-84	0	118
70	35.00	bu	-188	-169	-146	-119	-88	-50	-4	52	126	225	363
			-315	-295	-272	-246	-215	-177	-131	-73	0	98	236
80	40.00	bu	-149	-126	-100	-70	-34	8	60	126	211	323	481
			-275	-253	-227	-197	-161	-118	-65	0	84	197	354
90	45.00	bu	-109	-84	-55	-21	19	67	126	200	295	422	599
			-236	-211	-181	-147	-107	-59	0	73	168	295	473
100	50.00	bu	-70	-42	-9	28	72	126	192	274	380	520	718
			-197	-168	-136	-98	-53	0	65	147	253	394	591
110	55.00	bu	-31	0	35	77	126	185	258	348	464	619	836
			-157	-126	-90	-49	0	59	131	221	337	492	709
120	60.00	bu	8	42	81	126	180	244	323	422	549	718	954
			-118	-84	-45	0	53	118	197	295	422	591	827
130	65.00	bu	47	84	126	175	234	304	389	496	633	816	1072
			-78	-42	0	49	107	177	262	369	506	689	946
140	70.00	bu	87	126	172	225	287	363	455	570	718	915	1191
			-39	0	45	98	161	236	328	443	591	788	1064
150	75.00	bu	126	168	217	274	341	422	520	644	802	1013	1309
			0	42	90	147	215	295	394	517	675	887	1182

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	3.0000	22.80	_____
App by Air ( 3 gal)	appl	6.40	5.0000	32.00	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_____
2,4-D Amine 4	pt	3.25	1.0000	3.25	_____
Valor WP	oz	3.20	2.0000	6.40	_____
Dual II Magnum	pt	11.60	1.0000	11.60	_____
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	2.75	10.0000	27.50	_____
Surfactant	pt	3.30	1.0000	3.30	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	50.0000	58.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
Soil Test	acre	10.00	0.3300	3.30	_____
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_____
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_____
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_____
LA Hired Labor					
Implements	hour	13.67	0.1586	2.17	_____
Tractors	hour	13.67	0.3542	4.83	_____
DIESEL FUEL					
Tractors	gal	4.00	3.4392	13.77	_____
Harvesters	gal	4.00	1.2047	4.82	_____
REPAIR & MAINTENANCE					
Implements	Acre	6.40	1.0000	6.40	_____
Tractors	Acre	2.37	1.0000	2.37	_____
Harvesters	Acre	4.11	1.0000	4.11	_____
INTEREST ON OP. CAP.	Acre	10.04	1.0000	10.04	_____
				-----	
TOTAL DIRECT EXPENSES				439.99	_____
FIXED EXPENSES					
Implements	Acre	13.46	1.0000	13.46	_____
Tractors	Acre	16.77	1.0000	16.77	_____
Harvesters	Acre	18.06	1.0000	18.06	_____
				-----	
TOTAL FIXED EXPENSES				48.29	_____
				-----	
TOTAL SPECIFIED EXPENSES				488.28	_____



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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	Oct	4.32	4.79	1.60	2.05	0.11	1.61				14.37
LA Phosphate	lb											50.0000	0.90	45.00	45.00
LA Potash	lb											50.0000	0.67	33.50	33.50
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	2.14	2.23	0.69	3.31	0.04	0.64				9.01
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air ( 5 gal)	appl			1.00	Mar							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											2.0000	3.20	6.40	6.40
NT Plant-Rigid	12R-20	MFWD 190	0.098	1.00	May	4.50	4.69	2.48	5.41	0.19	2.68				19.76
Soybean Seed RR	lb											50.0000	1.16	58.00	58.00
Ditcher		2WD 130	0.020	1.00	May	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.73	1.74	0.43	0.58	0.06	0.87				5.35
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	11.60	11.60	11.60
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
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	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	6.73	40.38	40.38
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	23.93	14.96	14.96
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 5 gal)	appl			1.00	Sep							1.0000	7.60	7.60	7.60
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	3.30	3.30	3.30
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	8.93	18.06	1.00	1.71	0.08	1.41				31.11
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
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						25.07	34.83	6.40	13.46	0.59	8.41			390.07	478.24
INTEREST ON OPERATING CAPITAL															10.04
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															488.28

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			6.60	7.06	7.58	8.19	8.91	9.77	10.83	12.15	13.85	16.11	19.28
PERCENT	YIELD	UNIT	-----dollars-----										
50	22.50	bu	-285	-274	-263	-249	-233	-213	-190	-160	-122	-71	0
			-333	-323	-311	-297	-281	-262	-238	-208	-170	-119	-48
60	27.00	bu	-256	-244	-230	-213	-194	-171	-142	-106	-61	0	85
			-304	-292	-278	-262	-242	-219	-190	-155	-109	-48	37
70	31.50	bu	-228	-213	-197	-178	-155	-128	-95	-53	0	71	171
			-276	-262	-245	-226	-203	-176	-143	-101	-48	22	122
80	36.00	bu	-199	-183	-164	-142	-116	-85	-47	0	61	142	256
			-247	-231	-212	-190	-164	-133	-95	-48	12	94	208
90	40.50	bu	-171	-152	-131	-106	-77	-42	0	53	122	213	342
			-219	-201	-179	-155	-126	-91	-48	5	73	165	293
100	45.00	bu	-142	-122	-98	-71	-38	0	47	106	183	285	427
			-190	-170	-146	-119	-87	-48	-0	58	135	236	379
110	49.50	bu	-114	-91	-65	-35	0	42	95	160	244	356	513
			-162	-139	-114	-83	-48	-5	46	112	196	308	464
120	54.00	bu	-85	-61	-32	0	38	85	142	213	305	427	598
			-133	-109	-81	-48	-9	37	94	165	257	379	550
130	58.50	bu	-57	-30	0	35	77	128	190	267	366	498	684
			-105	-78	-48	-12	29	80	141	219	318	450	636
140	63.00	bu	-28	0	32	71	116	171	237	320	427	570	769
			-76	-48	-15	22	68	122	189	272	379	521	721
150	67.50	bu	0	30	65	106	155	213	285	374	488	641	855
			-48	-17	17	58	107	165	236	325	440	593	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 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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			7.32	7.82	8.40	9.08	9.88	10.85	12.02	13.49	15.38	17.90	21.42
PERCENT	YIELD	UNIT	-----dollars-----										
50	22.50	bu	-269	-257	-244	-229	-211	-189	-163	-130	-87	-31	48
			-317	-306	-292	-277	-259	-238	-211	-178	-136	-79	0
60	27.00	bu	-237	-223	-208	-189	-168	-142	-110	-70	-19	48	143
			-285	-272	-256	-238	-216	-190	-158	-119	-68	0	95
70	31.50	bu	-205	-189	-171	-150	-124	-94	-57	-11	48	127	238
			-253	-238	-219	-198	-173	-142	-105	-59	0	79	190
80	36.00	bu	-173	-155	-134	-110	-81	-46	-4	48	116	206	333
			-222	-204	-183	-158	-129	-95	-52	0	68	158	285
90	40.50	bu	-142	-121	-98	-70	-38	0	48	107	184	286	429
			-190	-170	-146	-119	-86	-47	0	59	136	238	380
100	45.00	bu	-110	-87	-61	-31	5	48	101	167	252	365	524
			-158	-136	-109	-79	-43	0	52	119	204	317	476
110	49.50	bu	-78	-53	-24	8	48	95	154	226	320	444	619
			-126	-102	-73	-39	0	47	105	178	272	396	571
120	54.00	bu	-46	-19	11	48	91	143	206	286	388	524	714
			-95	-68	-36	0	43	95	158	238	340	476	666
130	58.50	bu	-15	14	48	87	134	191	259	345	456	603	809
			-63	-34	0	39	86	142	211	297	408	555	761
140	63.00	bu	16	48	84	127	178	238	312	405	524	682	905
			-31	0	36	79	129	190	264	357	476	634	856
150	67.50	bu	48	82	121	167	221	286	365	464	592	762	1000
			0	34	73	119	173	238	317	416	544	714	952

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	3.0000	22.80	_____
App by Air ( 3 gal)	appl	6.40	5.0000	32.00	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_____
2,4-D Amine 4	pt	3.25	1.0000	3.25	_____
Valor WP	oz	3.20	2.0000	6.40	_____
Dual II Magnum	pt	11.60	1.0000	11.60	_____
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	2.75	10.0000	27.50	_____
Surfactant	pt	3.30	1.0000	3.30	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	50.0000	58.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
Soil Test	acre	10.00	0.3300	3.30	_____
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_____
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	_____
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_____
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	_____
LA Hired Labor					
Implements	hour	13.67	0.1586	2.17	_____
Tractors	hour	13.67	0.6473	8.84	_____
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_____
DIESEL FUEL					
Tractors	gal	4.00	6.2667	25.07	_____
Harvesters	gal	4.00	1.2047	4.82	_____
Roll-Out Pipe Irr.	gal	4.00	4.8877	19.56	_____
REPAIR & MAINTENANCE					
Implements	Acre	6.97	1.0000	6.97	_____
Tractors	Acre	4.31	1.0000	4.31	_____
Harvesters	Acre	4.11	1.0000	4.11	_____
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_____
INTEREST ON OP. CAP.	Acre	11.20	1.0000	11.20	_____
				-----	
TOTAL DIRECT EXPENSES				496.64	_____
FIXED EXPENSES					
Implements	Acre	15.36	1.0000	15.36	_____
Tractors	Acre	30.47	1.0000	30.47	_____
Harvesters	Acre	18.06	1.0000	18.06	_____
Roll-Out Pipe Irr.	Acre	59.91	1.0000	59.91	_____
				-----	
TOTAL FIXED EXPENSES				123.80	_____
				-----	
TOTAL SPECIFIED EXPENSES				620.44	_____

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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	Oct	4.32	4.79	1.60	2.05	0.11	1.61				14.37
LA Phosphate	lb											50.0000	0.90	45.00	45.00
LA Potash	lb											50.0000	0.67	33.50	33.50
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	2.14	2.23	0.69	3.31	0.04	0.64				9.01
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air ( 5 gal)	appl			1.00	Mar							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											2.0000	3.20	6.40	6.40
NT Plant-Folding	12R-20	MFWD 190	0.098	1.00	May	4.50	4.69	2.85	6.23	0.19	2.68				20.95
Soybean Seed RR	lb											50.0000	1.16	58.00	58.00
Ditcher		2WD 130	0.020	1.00	May	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.73	1.74	0.20	0.28	0.06	0.87				4.82
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	11.60	11.60	11.60
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
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	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	6.73	40.38	40.38
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	23.93	14.96	14.96
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 5 gal)	appl			1.00	Sep							1.0000	7.60	7.60	7.60
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	3.30	3.30	3.30
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	8.93	18.06	1.00	1.71	0.08	1.41				31.11
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
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	13.24	13.70	25.35	61.29	0.44	6.14	1.0000		7.92	127.64
TOTALS						38.31	48.53	31.89	75.27	1.04	14.55			400.69	609.24
INTEREST ON OPERATING CAPITAL															11.20
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															620.44

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			6.11	6.52	7.00	7.57	8.23	9.02	10.00	11.21	12.78	14.86	17.78
PERCENT	YIELD	UNIT	-----dollars-----										
50	27.50	bu	-321	-309	-296	-280	-262	-240	-214	-180	-137	-80	0
			-444	-433	-420	-404	-386	-364	-337	-304	-261	-204	-123
60	33.00	bu	-288	-275	-259	-240	-218	-192	-160	-120	-68	0	96
			-412	-399	-383	-364	-342	-316	-284	-244	-192	-123	-27
70	38.50	bu	-256	-240	-222	-200	-175	-144	-107	-60	0	80	192
			-380	-364	-346	-324	-298	-268	-230	-184	-123	-43	68
80	44.00	bu	-224	-206	-185	-160	-131	-96	-53	0	68	160	288
			-348	-330	-309	-284	-255	-220	-177	-123	-54	36	165
90	49.50	bu	-192	-172	-148	-120	-87	-48	0	60	137	240	385
			-316	-295	-271	-244	-211	-171	-123	-63	13	117	261
100	55.00	bu	-160	-137	-111	-80	-43	0	53	120	206	321	481
			-284	-261	-234	-204	-167	-123	-70	-3	82	197	357
110	60.50	bu	-128	-103	-74	-40	0	48	107	180	275	401	577
			-252	-227	-197	-163	-123	-75	-16	56	151	277	454
120	66.00	bu	-96	-68	-37	0	43	96	160	240	344	481	674
			-220	-192	-160	-123	-80	-27	36	117	220	357	550
130	71.50	bu	-64	-34	0	40	87	144	214	301	412	561	770
			-188	-158	-123	-83	-36	20	90	177	289	438	646
140	77.00	bu	-32	0	37	80	131	192	267	361	481	642	866
			-155	-123	-86	-43	7	68	143	237	357	518	743
150	82.50	bu	0	34	74	120	175	240	321	421	550	722	963
			-123	-89	-49	-3	51	117	197	297	426	598	839

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			7.61	8.13	8.74	9.44	10.28	11.28	12.50	14.03	15.99	18.61	22.28
PERCENT	YIELD	UNIT	-----dollars-----										
50	27.50	bu	-279	-265	-248	-229	-206	-178	-145	-103	-49	22	123
			-403	-389	-372	-353	-330	-302	-269	-227	-172	-100	0
60	33.00	bu	-239	-222	-202	-178	-151	-118	-78	-27	37	123	244
			-363	-345	-326	-302	-275	-242	-201	-151	-86	0	121
70	38.50	bu	-199	-178	-155	-128	-96	-57	-10	48	123	224	365
			-322	-302	-279	-252	-220	-181	-134	-75	0	100	242
80	44.00	bu	-158	-135	-109	-78	-41	2	56	123	210	325	487
			-282	-259	-232	-201	-165	-121	-67	0	86	201	363
90	49.50	bu	-118	-92	-62	-27	13	63	123	199	296	426	608
			-242	-216	-186	-151	-110	-60	0	75	172	302	484
100	55.00	bu	-78	-49	-15	22	68	123	191	275	383	527	729
			-201	-172	-139	-100	-55	0	67	151	259	403	605
110	60.50	bu	-37	-5	30	73	123	184	258	350	469	628	850
			-161	-129	-93	-50	0	60	134	227	345	504	726
120	66.00	bu	2	37	77	123	178	244	325	426	556	729	971
			-121	-86	-46	0	55	121	201	302	432	605	847
130	71.50	bu	43	80	123	174	233	305	392	502	642	830	1092
			-80	-43	0	50	110	181	269	378	518	706	968
140	77.00	bu	83	123	170	224	288	365	460	577	729	931	1213
			-40	0	46	100	165	242	336	454	605	807	1089
150	82.50	bu	123	167	216	275	343	426	527	653	815	1031	1334
			0	43	93	151	220	302	403	529	691	908	1210

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	3.0000	22.80	_____
LARice GPS Charge-SW	acre	0.35	3.0000	1.05	_____
App by Air ( 3 gal)	appl	6.40	4.0000	25.60	_____
HARVEST AIDS					
Gramoxone Max	pt	3.00	1.0000	3.00	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup Ultra MAX	pt	5.97	3.5000	20.90	_____
Classic	oz	18.50	0.2500	4.63	_____
INSECTICIDES					
Dimilin 2L	oz	1.63	2.0000	3.26	_____
Besiege	oz	2.75	10.0000	27.50	_____
Prevathon	oz	1.05	16.0000	16.80	_____
Methyl Parathion	pt	5.79	1.0000	5.79	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	75.0000	87.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
Soil Test	acre	10.00	0.3300	3.30	_____
ADJUVANTS					
Surfactant	pt	3.30	0.5000	1.65	_____
CUSTOM FERT/LIME					
Custom Spread(Truc	appl	5.00	1.0000	5.00	_____
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	35.0000	9.45	_____
HAND LABOR					
Implements	hour	13.67	0.0942	1.29	_____
LA OPERATOR LABOR					
Self-Propelled	hour	16.54	0.2310	3.82	_____
LA Hired Labor					
Tractors	hour	13.67	0.3772	5.15	_____
LA Other Labor					
Special Labor	hour	13.67	0.1250	1.71	_____
DIESEL FUEL					
Tractors	gal	4.00	3.3869	13.55	_____
Self-Propelled	gal	4.00	1.4915	5.97	_____
REPAIR & MAINTENANCE					
Implements	acre	5.22	1.0000	5.22	_____
Tractors	acre	2.20	1.0000	2.20	_____
Self-Propelled	acre	9.24	1.0000	9.24	_____
INTEREST ON OP. CAP.	acre	11.69	1.0000	11.69	_____
TOTAL DIRECT EXPENSES				441.41	_____
FIXED EXPENSES					
Implements	acre	13.47	1.0000	13.47	_____
Tractors	acre	15.07	1.0000	15.07	_____
Self-Propelled	acre	15.53	1.0000	15.53	_____
TOTAL FIXED EXPENSES				44.07	_____
TOTAL SPECIFIED EXPENSES				485.48	_____

Table 6.B Estimated resource use and costs for field operations, per acre,  
Soybeans, RR, drill planted, conventional tillage, in rotation,  
Southwest Louisiana, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Disk Harrow	32'	Track 300	0.061	1.00	Nov	4.42	4.46	1.39	3.33	0.06	0.84				14.44
LARice Land Level	13 ft	MFWD 150	0.190	0.20	Nov	1.36	1.28	0.03	0.15	0.03	0.52				3.34
Ditcher		MFWD 150	0.020	1.00	Nov	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Disk Harrow	32'	MFWD 150	0.061	1.00	Mar	2.20	2.06	1.39	3.33	0.06	0.84				9.82
Custom Spread(Truc	appl			1.00	Mar							1.0000	5.00	5.00	5.00
LA Phosphate	lb											50.0000	0.90	45.00	45.00
LA Potash	lb											50.0000	0.67	33.50	33.50
Field Cultivate	24'	MFWD 150	0.062	1.00	Mar	2.23	2.09	0.59	2.83	0.06	0.85				8.59
Ditcher		MFWD 150	0.020	1.00	Apr	0.72	0.67	0.07	0.11	0.02	0.27				1.84
Grain Drill	20'	MFWD 150	0.094	1.00	May	3.38	3.17	1.61	3.50	0.18	2.58				14.24
LA Other Labor	hour														1.71
Soybean Seed RR	lb											75.0000	1.16	87.00	87.00
Ditcher		MFWD 150	0.020	1.00	May	0.72	0.67	0.07	0.11	0.02	0.27				1.84
App by Air ( 5 gal)	appl			1.00	May							1.0000	7.60	7.60	7.60
Roundup Ultra MAX	pt											2.0000	5.97	11.94	11.94
Classic	oz											0.2500	18.50	4.63	4.63
Surfactant	pt											0.2000	3.30	0.66	0.66
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
Roundup Ultra MAX	pt											1.5000	5.97	8.96	8.96
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Dimilin 2L	oz											2.0000	1.63	3.26	3.26
Quadris	oz											6.0000	6.73	40.38	40.38
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 5 gal)	appl			1.00	Aug							1.0000	7.60	7.60	7.60
Methyl Parathion	pt											1.0000	5.79	5.79	5.79
LRice GPS Charge-SW acre												1.0000	0.35	0.35	0.35
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Sep							1.0000	6.40	6.40	6.40
Stratego	pt											0.6250	23.93	14.96	14.96
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 5 gal)	appl			1.00	Sep								7.60		
Gramoxone Max	pt											1.0000	3.00	3.00	3.00
Surfactant	pt											0.3000	3.30	0.99	0.99
LRice Combine Med	20 ft		0.210	1.00	Oct	15.21	15.53			0.23	3.82				34.56
Haul Soybeans	bu			1.00	Oct							35.0000	0.27	9.45	9.45
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
Soil Test	acre											0.3300	10.00	3.30	3.30
TOTALS						30.96	30.60	5.22	13.47	0.82	11.97			381.57	473.79
INTEREST ON OPERATING CAPITAL															11.69
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															485.48

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, 2023.

			-----BREAKEVEN PRICE-----										
LA Soybeans			8.49	9.08	9.76	10.55	11.48	12.61	13.98	15.69	17.90	20.83	24.95
PERCENT	YIELD	UNIT	-----dollars-----										
50	17.50	bu	-287	-277	-265	-251	-235	-215	-191	-161	-123	-71	0
			-332	-321	-309	-296	-279	-260	-236	-206	-167	-116	-44
60	21.00	bu	-259	-246	-232	-215	-196	-172	-143	-107	-61	0	86
			-303	-290	-276	-260	-240	-216	-188	-152	-105	-44	42
70	24.50	bu	-230	-215	-199	-179	-157	-129	-95	-53	0	71	172
			-274	-260	-243	-224	-201	-173	-140	-98	-44	27	128
80	28.00	bu	-201	-185	-166	-143	-117	-86	-47	0	61	143	259
			-245	-229	-210	-188	-161	-130	-92	-44	17	99	215
90	31.50	bu	-172	-154	-132	-107	-78	-43	0	53	123	215	345
			-216	-198	-176	-152	-122	-87	-44	9	79	171	301
100	35.00	bu	-143	-123	-99	-71	-39	0	47	107	185	287	431
			-188	-167	-143	-116	-83	-44	3	63	141	243	387
110	38.50	bu	-115	-92	-66	-35	0	43	95	161	246	359	518
			-159	-136	-110	-80	-44	-0	51	117	202	315	474
120	42.00	bu	-86	-61	-33	0	39	86	143	215	308	431	604
			-130	-105	-77	-44	-4	42	99	171	264	387	560
130	45.50	bu	-57	-30	0	35	78	129	191	269	370	503	691
			-101	-74	-44	-8	34	85	147	225	326	459	646
140	49.00	bu	-28	0	33	71	117	172	239	323	431	575	777
			-72	-44	-10	27	73	128	195	279	387	531	733
150	52.50	bu	0	30	66	107	157	215	287	377	493	647	863
			-44	-13	22	63	112	171	243	333	449	603	819

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, 2023.

			-----BREAKEVEN PRICE-----										
LA Soybeans			9.33	9.98	10.73	11.60	12.63	13.87	15.38	17.27	19.69	22.93	27.47
PERCENT	YIELD	UNIT	-----dollars-----										
50	17.50	bu	-273	-261	-248	-233	-215	-193	-167	-134	-91	-35	44
			-317	-305	-292	-277	-259	-237	-211	-178	-135	-79	0
60	21.00	bu	-241	-227	-212	-193	-172	-146	-114	-74	-23	44	139
			-285	-271	-256	-237	-216	-190	-158	-118	-67	0	95
70	24.50	bu	-209	-193	-175	-154	-129	-98	-61	-15	44	123	234
			-253	-237	-219	-198	-173	-142	-105	-59	0	79	190
80	28.00	bu	-178	-159	-138	-114	-85	-51	-8	44	112	202	329
			-222	-203	-183	-158	-129	-95	-52	0	67	158	285
90	31.50	bu	-146	-125	-102	-74	-42	-3	44	103	180	282	424
			-190	-169	-146	-118	-86	-47	0	59	135	237	380
100	35.00	bu	-114	-91	-65	-35	0	44	96	163	248	361	520
			-158	-135	-109	-79	-43	0	52	118	203	317	475
110	38.50	bu	-82	-57	-29	4	44	91	149	222	316	440	615
			-126	-101	-73	-39	0	47	105	178	271	396	571
120	42.00	bu	-51	-23	7	44	87	139	202	282	384	520	710
			-95	-67	-36	0	43	95	158	237	339	475	666
130	45.50	bu	-19	10	44	83	130	186	255	341	452	599	805
			-63	-33	0	39	86	142	211	297	407	555	761
140	49.00	bu	12	44	80	123	173	234	308	401	520	678	900
			-31	0	36	79	129	190	264	356	475	634	856
150	52.50	bu	44	78	117	163	217	282	361	460	588	758	996
			0	33	73	118	173	237	317	416	543	713	951

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	3.0000	22.80	_____
App by Air ( 3 gal)	appl	6.40	5.0000	32.00	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_____
2,4-D Amine 4	pt	3.25	1.0000	3.25	_____
Valor WP	oz	3.20	2.0000	6.40	_____
Dual II Magnum	pt	11.60	1.0000	11.60	_____
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	2.75	10.0000	27.50	_____
Surfactant	pt	3.30	1.0000	3.30	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	50.0000	58.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
Soil Test	acre	10.00	0.3300	3.30	_____
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_____
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_____
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_____
LA Hired Labor					
Implements	hour	13.67	0.0966	1.32	_____
Tractors	hour	13.67	0.3516	4.80	_____
DIESEL FUEL					
Tractors	gal	4.00	3.5802	14.33	_____
Harvesters	gal	4.00	1.2047	4.82	_____
REPAIR & MAINTENANCE					
Implements	Acre	6.55	1.0000	6.55	_____
Tractors	Acre	2.54	1.0000	2.54	_____
Harvesters	Acre	4.11	1.0000	4.11	_____
INTEREST ON OP. CAP.	Acre	9.92	1.0000	9.92	_____
				-----	
TOTAL DIRECT EXPENSES				439.87	_____
FIXED EXPENSES					
Implements	Acre	13.74	1.0000	13.74	_____
Tractors	Acre	17.87	1.0000	17.87	_____
Harvesters	Acre	18.06	1.0000	18.06	_____
				-----	
TOTAL FIXED EXPENSES				49.67	_____
				-----	
TOTAL SPECIFIED EXPENSES				489.54	_____

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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.84	3.15	1.07	1.37	0.07	1.06					9.49
LA Phosphate	lb											50.0000	0.90	45.00		45.00
LA Potash	lb											50.0000	0.67	33.50		33.50
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47		19.47
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.86	4.28	1.46	3.49	0.07	0.96					14.05
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66					5.45
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.72	3.01	0.95	2.84	0.04	0.67					10.19
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27					1.56
App by Air ( 5 gal)	appl			1.00	Mar							1.0000	7.60	7.60		7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18		4.18
2,4-D Amine 4	pt											1.0000	3.25	3.25		3.25
Valor WP	oz											2.0000	3.20	6.40		6.40
Plant - Folding	12R-38	MFWD 190	0.049	1.00	May	2.27	2.37	1.67	3.65	0.09	1.36					11.32
Soybean Seed RR	lb											50.0000	1.16	58.00		58.00
Ditcher		2WD 130	0.020	1.00	May	0.61	0.50	0.07	0.11	0.02	0.27					1.56
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.73	1.74	0.20	0.28	0.06	0.87					4.82
Roundup WeatherMax	oz											22.0000	0.19	4.18		4.18
Dual II Magnum	pt											1.0000	11.60	11.60		11.60
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60		7.60
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	6.40	6.40		6.40
Brigade EC	pt											0.3750	9.60	3.60		3.60
Quadris	oz											6.0000	6.73	40.38		40.38
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40		6.40
Prevathon	oz											8.0000	1.05	8.40		8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40		6.40
Besiege	oz											5.0000	2.75	13.75		13.75
Stratego	pt											0.6250	23.93	14.96		14.96
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40		6.40
Prevathon	oz											8.0000	1.05	8.40		8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40		6.40
Brigade EC	pt											0.3750	9.60	3.60		3.60
Besiege	oz											5.0000	2.75	13.75		13.75
App by Air ( 5 gal)	appl			1.00	Sep							1.0000	7.60	7.60		7.60
Gramoxone Inteon	oz											16.0000	0.19	3.04		3.04
Surfactant	pt											1.0000	3.30	3.30		3.30
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	8.93	18.06	1.00	1.71	0.08	1.41					31.11
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00		10.00
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						25.80	35.93	6.55	13.74	0.53	7.53			390.07		479.62
INTEREST ON OPERATING CAPITAL																9.92
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																489.54

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			6.60	7.06	7.58	8.19	8.91	9.77	10.83	12.15	13.84	16.10	19.27
PERCENT	YIELD	UNIT	-----dollars-----										
50	22.50	bu	-285	-274	-263	-249	-233	-213	-190	-160	-122	-71	0
			-334	-324	-312	-299	-282	-263	-239	-210	-171	-120	-49
60	27.00	bu	-256	-244	-230	-213	-194	-171	-142	-106	-61	0	85
			-306	-294	-279	-263	-244	-220	-192	-156	-110	-49	35
70	31.50	bu	-228	-213	-197	-178	-155	-128	-95	-53	0	71	171
			-277	-263	-247	-227	-205	-177	-144	-103	-49	21	121
80	36.00	bu	-199	-183	-164	-142	-116	-85	-47	0	61	142	256
			-249	-232	-214	-192	-166	-135	-97	-49	11	92	206
90	40.50	bu	-171	-152	-131	-106	-77	-42	0	53	122	213	342
			-220	-202	-181	-156	-127	-92	-49	3	72	164	292
100	45.00	bu	-142	-122	-98	-71	-38	0	47	106	183	285	427
			-192	-171	-148	-120	-88	-49	-2	57	133	235	377
110	49.50	bu	-114	-91	-65	-35	0	42	95	160	244	356	513
			-163	-141	-115	-85	-49	-6	45	110	194	306	463
120	54.00	bu	-85	-61	-32	0	38	85	142	213	305	427	598
			-135	-110	-82	-49	-10	35	92	164	255	377	548
130	58.50	bu	-57	-30	0	35	77	128	190	267	366	498	684
			-106	-80	-49	-14	28	78	140	217	316	449	634
140	63.00	bu	-28	0	32	71	116	171	237	320	427	570	769
			-78	-49	-16	21	66	121	187	271	377	520	719
150	67.50	bu	0	30	65	106	155	213	285	374	488	641	855
			-49	-19	16	57	105	164	235	324	439	591	805

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			7.34	7.84	8.43	9.11	9.91	10.87	12.05	13.53	15.42	17.94	21.48
PERCENT	YIELD	UNIT	-----dollars-----										
50	22.50	bu	-268	-257	-244	-228	-210	-188	-162	-129	-86	-29	49
			-318	-306	-293	-278	-260	-238	-212	-178	-136	-79	0
60	27.00	bu	-236	-223	-207	-188	-167	-141	-109	-69	-18	49	145
			-286	-272	-256	-238	-216	-190	-159	-119	-68	0	95
70	31.50	bu	-204	-188	-170	-149	-123	-93	-56	-9	49	129	240
			-254	-238	-220	-198	-173	-143	-106	-59	0	79	190
80	36.00	bu	-173	-154	-133	-109	-80	-45	-3	49	117	208	336
			-222	-204	-183	-159	-130	-95	-53	0	68	159	286
90	40.50	bu	-141	-120	-97	-69	-37	1	49	109	186	288	431
			-190	-170	-146	-119	-86	-47	0	59	136	238	381
100	45.00	bu	-109	-86	-60	-29	6	49	102	168	254	367	526
			-159	-136	-110	-79	-43	0	53	119	204	318	477
110	49.50	bu	-77	-52	-23	9	49	97	155	228	322	447	622
			-127	-102	-73	-39	0	47	106	178	272	397	572
120	54.00	bu	-45	-18	12	49	93	145	208	288	390	526	717
			-95	-68	-36	0	43	95	159	238	340	477	668
130	58.50	bu	-13	15	49	89	136	192	261	347	458	606	813
			-63	-34	0	39	86	143	212	298	409	556	763
140	63.00	bu	17	49	86	129	179	240	314	407	526	686	908
			-31	0	36	79	130	190	265	357	477	636	859
150	67.50	bu	49	83	123	168	223	288	367	467	595	765	1004
			0	34	73	119	173	238	318	417	545	715	954

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	2.0000	15.20	_____
App by Air ( 3 gal)	appl	6.40	6.0000	38.40	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_____
2,4-D Amine 4	pt	3.25	1.0000	3.25	_____
Valor WP	oz	3.20	2.0000	6.40	_____
Dual II Magnum	pt	11.60	1.0000	11.60	_____
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	2.75	10.0000	27.50	_____
Surfactant	pt	3.30	1.0000	3.30	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	50.0000	58.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
Soil Test	acre	10.00	0.3300	3.30	_____
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_____
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	_____
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_____
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	_____
LA Hired Labor					
Implements	hour	13.67	0.0966	1.32	_____
Tractors	hour	13.67	0.6447	8.81	_____
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_____
DIESEL FUEL					
Tractors	gal	4.00	6.4077	25.63	_____
Harvesters	gal	4.00	1.2047	4.82	_____
Roll-Out Pipe Irr.	gal	4.00	4.8877	19.56	_____
REPAIR & MAINTENANCE					
Implements	Acre	6.98	1.0000	6.98	_____
Tractors	Acre	4.48	1.0000	4.48	_____
Harvesters	Acre	4.11	1.0000	4.11	_____
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_____
INTEREST ON OP. CAP.	Acre	11.06	1.0000	11.06	_____
				-----	
TOTAL DIRECT EXPENSES				495.16	_____
FIXED EXPENSES					
Implements	Acre	15.12	1.0000	15.12	_____
Tractors	Acre	31.57	1.0000	31.57	_____
Harvesters	Acre	18.06	1.0000	18.06	_____
Roll-Out Pipe Irr.	Acre	59.91	1.0000	59.91	_____
				-----	
TOTAL FIXED EXPENSES				124.66	_____
				-----	
TOTAL SPECIFIED EXPENSES				619.82	_____

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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
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	2.84	3.15	1.07	1.37	0.07	1.06				9.49
LA Phosphate	lb											50.0000	0.90	45.00	45.00
LA Potash	lb											50.0000	0.67	33.50	33.50
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.72	3.01	0.95	2.84	0.04	0.67				10.19
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air ( 5 gal)	appl			1.00	Mar							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	12R-38	MFWD 190	0.049	1.00	May	2.27	2.37	1.67	3.65	0.09	1.36				11.32
Soybean Seed RR	lb											50.0000	1.16	58.00	58.00
Ditcher		2WD 130	0.020	1.00	May	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.73	1.74	0.20	0.28	0.06	0.87				4.82
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	11.60	11.60	11.60
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
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	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	6.73	40.38	40.38
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	23.93	14.96	14.96
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 3 gal)	appl			1.00	Sep							1.0000	6.40	6.40	6.40
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	3.30	3.30	3.30
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	8.93	18.06	1.00	1.71	0.08	1.41				31.11
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
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.	Acres				Jul	13.24	13.70	25.35	61.29	0.44	6.14	1.0000		7.92	127.64
TOTALS						39.04	49.63	31.90	75.03	0.98	13.67			399.49	608.76
INTEREST ON OPERATING CAPITAL															11.06
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															619.82

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			6.09	6.50	6.98	7.54	8.20	9.00	9.97	11.18	12.74	14.82	17.73
PERCENT	YIELD	UNIT	-----dollars-----										
50	27.50	bu	-320	-308	-295	-280	-261	-240	-213	-180	-137	-80	0
			-444	-433	-420	-404	-386	-364	-338	-304	-261	-204	-124
60	33.00	bu	-288	-274	-258	-240	-218	-192	-160	-120	-68	0	96
			-412	-399	-383	-364	-342	-316	-284	-244	-193	-124	-28
70	38.50	bu	-256	-240	-221	-200	-174	-144	-106	-60	0	80	192
			-380	-364	-346	-324	-299	-268	-231	-184	-124	-44	67
80	44.00	bu	-224	-205	-184	-160	-130	-96	-53	0	68	160	288
			-348	-330	-309	-284	-255	-220	-178	-124	-56	35	163
90	49.50	bu	-192	-171	-147	-120	-87	-48	0	60	137	240	384
			-316	-296	-272	-244	-211	-172	-124	-64	12	115	259
100	55.00	bu	-160	-137	-110	-80	-43	0	53	120	205	320	480
			-284	-261	-235	-204	-168	-124	-71	-4	81	195	355
110	60.50	bu	-128	-102	-73	-40	0	48	106	180	274	400	576
			-252	-227	-198	-164	-124	-76	-17	55	149	275	451
120	66.00	bu	-96	-68	-36	0	43	96	160	240	342	480	672
			-220	-193	-161	-124	-81	-28	35	115	218	355	547
130	71.50	bu	-64	-34	0	40	87	144	213	300	411	560	768
			-188	-158	-124	-84	-37	19	88	175	286	435	643
140	77.00	bu	-32	0	36	80	130	192	266	360	480	640	864
			-156	-124	-87	-44	6	67	142	235	355	515	739
150	82.50	bu	0	34	73	120	174	240	320	420	548	720	960
			-124	-90	-50	-4	49	115	195	295	424	595	835

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			7.60	8.12	8.73	9.43	10.26	11.26	12.49	14.01	15.98	18.60	22.26
PERCENT	YIELD	UNIT	-----dollars-----										
50	27.50	bu	-278	-264	-247	-228	-205	-177	-144	-102	-48	23	124
			-403	-388	-372	-352	-329	-302	-268	-226	-172	-100	0
60	33.00	bu	-238	-220	-201	-177	-150	-117	-76	-26	38	124	245
			-362	-345	-325	-302	-274	-241	-201	-151	-86	0	120
70	38.50	bu	-197	-177	-154	-127	-95	-56	-9	49	124	225	366
			-322	-302	-279	-252	-219	-181	-134	-75	0	100	241
80	44.00	bu	-157	-134	-107	-76	-40	3	57	124	211	326	487
			-282	-259	-232	-201	-164	-120	-67	0	86	201	362
90	49.50	bu	-117	-91	-61	-26	14	64	124	200	297	427	608
			-241	-216	-186	-151	-109	-60	0	75	172	302	483
100	55.00	bu	-76	-48	-14	23	69	124	191	275	383	527	729
			-201	-172	-139	-100	-54	0	67	151	259	403	604
110	60.50	bu	-36	-4	31	74	124	185	259	351	470	628	850
			-161	-129	-93	-50	0	60	134	226	345	504	725
120	66.00	bu	3	38	78	124	179	245	326	427	556	729	971
			-120	-86	-46	0	54	120	201	302	432	604	846
130	71.50	bu	44	81	124	175	234	306	393	502	643	830	1092
			-80	-43	0	50	109	181	268	378	518	705	967
140	77.00	bu	84	124	171	225	289	366	460	578	729	931	1213
			-40	0	46	100	164	241	336	453	604	806	1088
150	82.50	bu	124	167	217	275	344	427	527	653	815	1031	1334
			0	43	93	151	219	302	403	529	691	907	1209

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	2.0000	15.20	_____
App by Air ( 3 gal)	appl	6.40	6.0000	38.40	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_____
2,4-D Amine 4	pt	3.25	1.0000	3.25	_____
Valor WP	oz	3.20	2.0000	6.40	_____
Dual II Magnum	pt	11.60	1.0000	11.60	_____
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	2.75	10.0000	27.50	_____
Surfactant	pt	3.30	1.0000	3.30	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	50.0000	58.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
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	16.54	0.0851	1.41	_____
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	_____
LA Hired Labor					
Implements	hour	13.67	0.0966	1.32	_____
Tractors	hour	13.67	0.6447	8.81	_____
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_____
DIESEL FUEL					
Tractors	gal	4.00	6.4077	25.63	_____
Harvesters	gal	4.00	1.2047	4.82	_____
Roll-Out Pipe Irr.	gal	4.00	4.8877	19.56	_____
REPAIR & MAINTENANCE					
Implements	Acre	7.21	1.0000	7.21	_____
Tractors	Acre	4.48	1.0000	4.48	_____
Harvesters	Acre	4.11	1.0000	4.11	_____
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_____
INTEREST ON OP. CAP.	Acre	10.84	1.0000	10.84	_____
TOTAL DIRECT EXPENSES				474.35	_____
FIXED EXPENSES					
Implements	Acre	15.42	1.0000	15.42	_____
Tractors	Acre	31.57	1.0000	31.57	_____
Harvesters	Acre	18.06	1.0000	18.06	_____
Roll-Out Pipe Irr.	Acre	59.91	1.0000	59.91	_____
TOTAL FIXED EXPENSES				124.96	_____
TOTAL SPECIFIED EXPENSES				599.31	_____

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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.84	3.15	1.07	1.37	0.07	1.06				9.49
LA Phosphate	lb											50.0000	0.90	45.00	45.00
LA Potash	lb											50.0000	0.67	33.50	33.50
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.72	3.01	0.95	2.84	0.04	0.67				10.19
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air ( 5 gal)	appl			1.00	Mar							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	12R-38	MFWD 190	0.049	1.00	May	2.27	2.37	1.67	3.65	0.09	1.36				11.32
Soybean Seed RR	lb											50.0000	1.16	58.00	58.00
Ditcher		2WD 130	0.020	1.00	May	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.73	1.74	0.43	0.58	0.06	0.87				5.35
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	11.60	11.60	11.60
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
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	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	6.73	40.38	40.38
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	23.93	14.96	14.96
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 3 gal)	appl			1.00	Sep							1.0000	6.40	6.40	6.40
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	3.30	3.30	3.30
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	8.93	18.06	1.00	1.71	0.08	1.41				31.11
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
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	13.24	13.70	25.35	61.29	0.44	6.14	1.0000		7.92	127.64
TOTALS						39.04	49.63	32.13	75.33	0.98	13.67			378.67	588.47
INTEREST ON OPERATING CAPITAL															10.84
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															599.31



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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			6.41	6.85	7.36	7.95	8.64	9.48	10.51	11.79	13.43	15.62	18.70
PERCENT	YIELD	UNIT	-----dollars-----										
50	25.00	bu	-307	-296	-283	-268	-251	-230	-204	-172	-131	-76	0
			-432	-421	-408	-393	-376	-355	-329	-297	-256	-201	-124
60	30.00	bu	-276	-263	-248	-230	-209	-184	-153	-115	-65	0	92
			-401	-388	-373	-355	-334	-309	-278	-240	-190	-124	-32
70	35.00	bu	-245	-230	-212	-191	-167	-138	-102	-57	0	76	184
			-370	-355	-337	-316	-292	-263	-227	-182	-124	-48	59
80	40.00	bu	-214	-197	-177	-153	-125	-92	-51	0	65	153	276
			-339	-322	-302	-278	-250	-217	-176	-124	-59	28	151
90	45.00	bu	-184	-164	-141	-115	-83	-46	0	57	131	230	368
			-309	-289	-266	-240	-208	-171	-124	-67	6	105	243
100	50.00	bu	-153	-131	-106	-76	-41	0	51	115	197	307	460
			-278	-256	-231	-201	-166	-124	-73	-9	72	182	335
110	55.00	bu	-122	-98	-70	-38	0	46	102	172	263	383	552
			-247	-223	-195	-163	-124	-78	-22	47	138	258	427
120	60.00	bu	-92	-65	-35	0	41	92	153	230	329	460	644
			-217	-190	-160	-124	-83	-32	28	105	204	335	520
130	65.00	bu	-61	-32	0	38	83	138	204	287	394	537	737
			-186	-157	-124	-86	-41	13	79	162	269	412	612
140	70.00	bu	-30	0	35	76	125	184	255	345	460	614	829
			-155	-124	-89	-48	0	59	130	220	335	489	704
150	75.00	bu	0	32	70	115	167	230	307	403	526	691	921
			-124	-92	-54	-9	42	105	182	278	401	566	796

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			8.08	8.63	9.28	10.03	10.92	11.98	13.28	14.91	17.00	19.79	23.69
PERCENT	YIELD	UNIT	-----dollars-----										
50	25.00	bu	-265	-251	-235	-216	-194	-167	-135	-94	-42	27	124
			-390	-376	-360	-341	-319	-292	-260	-219	-167	-97	0
60	30.00	bu	-226	-209	-190	-167	-141	-109	-70	-21	41	124	242
			-351	-334	-315	-292	-266	-234	-195	-146	-83	0	117
70	35.00	bu	-187	-167	-145	-119	-88	-50	-5	51	124	222	359
			-312	-292	-270	-244	-212	-175	-130	-73	0	97	234
80	40.00	bu	-148	-126	-100	-70	-34	7	59	124	208	320	476
			-273	-251	-225	-195	-159	-117	-65	0	83	195	351
90	45.00	bu	-109	-84	-55	-21	18	66	124	198	292	417	593
			-234	-209	-180	-146	-106	-58	0	73	167	292	468
100	50.00	bu	-70	-42	-10	27	71	124	190	271	375	515	710
			-195	-167	-135	-97	-53	0	65	146	251	390	585
110	55.00	bu	-31	0	34	76	124	183	255	344	459	613	827
			-156	-125	-90	-48	0	58	130	219	334	488	702
120	60.00	bu	7	41	79	124	178	242	320	417	543	710	944
			-117	-83	-45	0	53	117	195	292	418	585	819
130	65.00	bu	46	83	124	173	231	300	385	491	626	808	1062
			-78	-41	0	48	106	175	260	366	502	683	937
140	70.00	bu	85	124	170	222	284	359	450	564	710	905	1179
			-39	0	45	97	159	234	325	439	585	780	1054
150	75.00	bu	124	166	215	271	337	417	515	637	794	1003	1296
			0	41	90	146	212	292	390	512	669	878	1171

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	3.0000	22.80	_____
App by Air ( 3 gal)	appl	6.40	5.0000	32.00	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_____
2,4-D Amine 4	pt	3.25	1.0000	3.25	_____
Valor WP	oz	3.20	2.0000	6.40	_____
Dual II Magnum	pt	11.60	1.0000	11.60	_____
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	2.75	10.0000	27.50	_____
Surfactant	pt	3.30	1.0000	3.30	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	50.0000	58.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
Soil Test	acre	10.00	0.3300	3.30	_____
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_____
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_____
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_____
LA Hired Labor					
Implements	hour	13.67	0.1124	1.54	_____
Tractors	hour	13.67	0.2946	4.03	_____
DIESEL FUEL					
Tractors	gal	4.00	2.8077	11.24	_____
Harvesters	gal	4.00	1.2047	4.82	_____
REPAIR & MAINTENANCE					
Implements	Acre	5.28	1.0000	5.28	_____
Tractors	Acre	1.92	1.0000	1.92	_____
Harvesters	Acre	4.11	1.0000	4.11	_____
INTEREST ON OP. CAP.	Acre	9.90	1.0000	9.90	_____
				-----	
TOTAL DIRECT EXPENSES				434.32	_____
FIXED EXPENSES					
Implements	Acre	11.49	1.0000	11.49	_____
Tractors	Acre	13.57	1.0000	13.57	_____
Harvesters	Acre	18.06	1.0000	18.06	_____
				-----	
TOTAL FIXED EXPENSES				43.12	_____
				-----	
TOTAL SPECIFIED EXPENSES				477.44	_____

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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.84	3.15	1.07	1.37	0.07	1.06				9.49
LA Phosphate	lb											50.0000	0.90	45.00	45.00
LA Potash	lb											50.0000	0.67	33.50	33.50
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	2.14	2.23	0.69	3.31	0.04	0.64				9.01
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air ( 5 gal)	appl			1.00	Mar							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											2.0000	3.20	6.40	6.40
NT Plant-Rigid	12R-30	MFWD 190	0.065	1.00	May	3.00	3.13	1.89	4.12	0.13	1.80				13.94
Soybean Seed RR	lb											50.0000	1.16	58.00	58.00
Ditcher		2WD 130	0.020	1.00	May	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.73	1.74	0.43	0.58	0.06	0.87				5.35
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	11.60	11.60	11.60
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
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	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	6.73	40.38	40.38
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	23.93	14.96	14.96
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 5 gal)	appl			1.00	Sep							1.0000	7.60	7.60	7.60
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	3.30	3.30	3.30
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	8.93	18.06	1.00	1.71	0.08	1.41				31.11
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
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						22.09	31.63	5.28	11.49	0.49	6.98			390.07	467.54
INTEREST ON OPERATING CAPITAL															9.90
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															477.44

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			6.52	6.97	7.48	8.08	8.79	9.65	10.69	11.99	13.67	15.90	19.03
PERCENT	YIELD	UNIT	-----dollars-----										
50	22.50	bu	-281	-271	-259	-246	-230	-211	-187	-158	-120	-70	0
			-324	-314	-302	-289	-273	-254	-230	-201	-163	-113	-43
60	27.00	bu	-253	-241	-227	-211	-191	-168	-140	-105	-60	0	84
			-296	-284	-270	-254	-234	-211	-183	-148	-103	-43	41
70	31.50	bu	-225	-211	-194	-175	-153	-126	-93	-52	0	70	168
			-268	-254	-237	-218	-196	-169	-136	-95	-43	27	125
80	36.00	bu	-196	-180	-162	-140	-115	-84	-46	0	60	140	253
			-240	-223	-205	-183	-158	-127	-90	-43	17	97	210
90	40.50	bu	-168	-150	-129	-105	-76	-42	0	52	120	211	337
			-211	-193	-172	-148	-119	-85	-43	9	77	167	294
100	45.00	bu	-140	-120	-97	-70	-38	0	46	105	180	281	422
			-183	-163	-140	-113	-81	-43	3	62	137	238	378
110	49.50	bu	-112	-90	-64	-35	0	42	93	158	241	351	506
			-155	-133	-108	-78	-43	-0	50	115	198	308	463
120	54.00	bu	-84	-60	-32	0	38	84	140	211	301	422	590
			-127	-103	-75	-43	-4	41	97	167	258	378	547
130	58.50	bu	-56	-30	0	35	76	126	187	263	361	492	675
			-99	-73	-43	-7	33	83	144	220	318	449	632
140	63.00	bu	-28	0	32	70	115	168	234	316	422	562	759
			-71	-43	-10	27	71	125	191	273	378	519	716
150	67.50	bu	0	30	64	105	153	211	281	369	482	633	844
			-43	-12	21	62	110	167	238	326	439	589	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 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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			7.16	7.65	8.22	8.88	9.67	10.60	11.75	13.19	15.03	17.50	20.94
PERCENT	YIELD	UNIT	-----dollars-----										
50	22.50	bu	-266	-255	-243	-228	-210	-189	-163	-131	-89	-34	43
			-310	-299	-286	-271	-253	-232	-206	-174	-132	-77	0
60	27.00	bu	-235	-222	-207	-189	-168	-142	-111	-73	-23	43	136
			-279	-265	-250	-232	-211	-186	-155	-116	-66	0	93
70	31.50	bu	-204	-189	-171	-150	-126	-96	-60	-15	43	120	229
			-248	-232	-214	-193	-169	-139	-103	-58	0	77	186
80	36.00	bu	-173	-156	-135	-111	-83	-49	-8	43	109	198	322
			-217	-199	-178	-155	-126	-93	-51	0	66	155	279
90	40.50	bu	-142	-123	-100	-73	-41	-3	43	101	176	275	415
			-186	-166	-143	-116	-84	-46	0	58	132	232	372
100	45.00	bu	-111	-89	-64	-34	0	43	94	159	242	353	508
			-155	-132	-107	-77	-42	0	51	116	199	310	465
110	49.50	bu	-80	-56	-28	4	43	89	146	217	308	430	601
			-124	-99	-71	-38	0	46	103	174	265	387	558
120	54.00	bu	-49	-23	7	43	85	136	198	275	375	508	694
			-93	-66	-35	0	42	93	155	232	332	465	651
130	58.50	bu	-18	9	43	81	127	182	249	333	441	585	787
			-62	-33	0	38	84	139	206	290	398	542	744
140	63.00	bu	12	43	78	120	169	229	301	391	508	663	880
			-31	0	35	77	126	186	258	348	465	620	837
150	67.50	bu	43	76	114	159	212	275	353	450	574	740	973
			0	33	71	116	169	232	310	407	531	697	930

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air ( 5 gal)	appl	7.60	3.0000	22.80	_____
App by Air ( 3 gal)	appl	6.40	5.0000	32.00	_____
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_____
FERTILIZERS					
LA Phosphate	lb	0.90	50.0000	45.00	_____
LA Potash	lb	0.67	50.0000	33.50	_____
FUNGICIDES					
Quadris	oz	6.73	6.0000	40.38	_____
Stratego	pt	23.93	0.6250	14.96	_____
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_____
2,4-D Amine 4	pt	3.25	1.0000	3.25	_____
Valor WP	oz	3.20	2.0000	6.40	_____
Dual II Magnum	pt	11.60	1.0000	11.60	_____
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	2.75	10.0000	27.50	_____
Surfactant	pt	3.30	1.0000	3.30	_____
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_____
SEED/PLANTS					
Soybean Seed RR	lb	1.16	50.0000	58.00	_____
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_____
Soil Test	acre	10.00	0.3300	3.30	_____
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_____
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	_____
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_____
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	_____
LA Hired Labor					
Implements	hour	13.67	0.0986	1.35	_____
Tractors	hour	13.67	0.5739	7.85	_____
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_____
DIESEL FUEL					
Tractors	gal	4.00	5.5004	22.00	_____
Harvesters	gal	4.00	1.2047	4.82	_____
Roll-Out Pipe Irr.	gal	4.00	4.8877	19.56	_____
REPAIR & MAINTENANCE					
Implements	Acre	5.57	1.0000	5.57	_____
Tractors	Acre	3.77	1.0000	3.77	_____
Harvesters	Acre	4.11	1.0000	4.11	_____
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_____
INTEREST ON OP. CAP.	Acre	11.02	1.0000	11.02	_____
				-----	
TOTAL DIRECT EXPENSES				489.64	_____
FIXED EXPENSES					
Implements	Acre	12.78	1.0000	12.78	_____
Tractors	Acre	26.61	1.0000	26.61	_____
Harvesters	Acre	18.06	1.0000	18.06	_____
Roll-Out Pipe Irr.	Acre	59.91	1.0000	59.91	_____
				-----	
TOTAL FIXED EXPENSES				117.36	_____
				-----	
TOTAL SPECIFIED EXPENSES				607.00	_____

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, 2023.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.84	3.15	1.07	1.37	0.07	1.06				9.49
LA Phosphate	lb											50.0000	0.90	45.00	45.00
LA Potash	lb											50.0000	0.67	33.50	33.50
Lime (Spread)	ton			0.33	Oct							0.3300	59.00	19.47	19.47
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	2.14	2.23	0.69	3.31	0.04	0.64				9.01
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air ( 5 gal)	appl			1.00	Mar							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											2.0000	3.20	6.40	6.40
NT Plant-Folding	12R-38	MFWD 190	0.051	1.00	May	2.37	2.47	1.98	4.33	0.10	1.42				12.57
Soybean Seed RR	lb											50.0000	1.16	58.00	58.00
Ditcher		2WD 130	0.020	1.00	May	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.73	1.74	0.20	0.28	0.06	0.87				4.82
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	11.60	11.60	11.60
App by Air ( 5 gal)	appl			1.00	Jun							1.0000	7.60	7.60	7.60
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	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Quadris	oz											6.0000	6.73	40.38	40.38
App by Air ( 3 gal)	appl			1.00	Jul							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	23.93	14.96	14.96
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Brigade EC	pt											0.3750	9.60	3.60	3.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air ( 3 gal)	appl			1.00	Aug							1.0000	6.40	6.40	6.40
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air ( 5 gal)	appl			1.00	Sep							1.0000	7.60	7.60	7.60
Gramoxone Inteon	oz											16.0000	0.19	3.04	3.04
Surfactant	pt											1.0000	3.30	3.30	3.30
Header - Soybean	30' Flex	275hp	0.085	1.00	Oct	8.93	18.06	1.00	1.71	0.08	1.41				31.11
Digital Ag Fee	acre			1.00	Oct							1.0000	10.00	10.00	10.00
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	13.24	13.70	25.35	61.29	0.44	6.14	1.0000		7.92	127.64
TOTALS						34.70	44.67	30.49	72.69	0.91	12.74			400.69	595.98
INTEREST ON OPERATING CAPITAL															11.02
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															607.00

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			6.02	6.43	6.91	7.46	8.11	8.90	9.86	11.05	12.60	14.65	17.53
PERCENT	YIELD	UNIT	-----dollars-----										
50	27.50	bu	-316	-305	-292	-276	-258	-237	-210	-177	-135	-79	0
			-433	-422	-409	-394	-376	-354	-328	-295	-252	-196	-117
60	33.00	bu	-284	-271	-255	-237	-215	-189	-158	-118	-67	0	94
			-402	-388	-372	-354	-333	-307	-275	-236	-185	-117	-22
70	38.50	bu	-253	-237	-219	-197	-172	-142	-105	-59	0	79	189
			-370	-354	-336	-315	-289	-259	-222	-176	-117	-38	72
80	44.00	bu	-221	-203	-182	-158	-129	-94	-52	0	67	158	284
			-338	-320	-299	-275	-246	-212	-170	-117	-49	40	167
90	49.50	bu	-189	-169	-146	-118	-86	-47	0	59	135	237	379
			-307	-286	-263	-236	-203	-164	-117	-58	18	119	262
100	55.00	bu	-158	-135	-109	-79	-43	0	52	118	203	316	474
			-275	-252	-226	-196	-160	-117	-64	1	86	199	357
110	60.50	bu	-126	-101	-73	-39	0	47	105	177	271	395	569
			-243	-219	-190	-156	-117	-69	-11	60	153	278	452
120	66.00	bu	-94	-67	-36	0	43	94	158	237	339	474	664
			-212	-185	-153	-117	-74	-22	40	119	221	357	547
130	71.50	bu	-63	-33	0	39	86	142	210	296	406	553	759
			-180	-151	-117	-77	-31	25	93	179	289	436	642
140	77.00	bu	-31	0	36	79	129	189	263	355	474	632	854
			-149	-117	-80	-38	12	72	146	238	357	515	736
150	82.50	bu	0	33	73	118	172	237	316	415	542	711	949
			-117	-83	-44	1	55	119	199	297	425	594	831

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, 2023.

			-----BREAKEVEN PRICE-----										
Soybeans			7.44	7.96	8.55	9.24	10.05	11.03	12.23	13.72	15.64	18.21	21.79
PERCENT	YIELD	UNIT	-----dollars-----										
50	27.50	bu	-277	-263	-246	-227	-205	-178	-145	-104	-51	18	117
			-394	-380	-364	-345	-322	-295	-263	-221	-169	-98	0
60	33.00	bu	-237	-220	-201	-178	-151	-119	-79	-30	32	117	235
			-355	-338	-318	-295	-269	-236	-197	-147	-84	0	118
70	38.50	bu	-198	-178	-155	-129	-97	-60	-14	43	117	216	354
			-315	-295	-273	-246	-215	-177	-131	-73	0	98	236
80	44.00	bu	-158	-136	-110	-79	-44	-1	51	117	201	314	472
			-276	-253	-227	-197	-161	-118	-65	0	84	197	355
90	49.50	bu	-119	-94	-64	-30	9	58	117	191	286	413	590
			-236	-211	-182	-147	-107	-59	0	73	169	295	473
100	55.00	bu	-79	-51	-19	18	63	117	183	265	371	512	709
			-197	-169	-136	-98	-53	0	65	147	253	394	591
110	60.50	bu	-40	-9	26	68	117	176	248	339	455	610	827
			-157	-126	-91	-49	0	59	131	221	338	493	710
120	66.00	bu	-1	32	71	117	171	235	314	413	540	709	946
			-118	-84	-45	0	53	118	197	295	422	591	828
130	71.50	bu	38	75	117	166	224	294	380	487	624	808	1064
			-78	-42	0	49	107	177	263	369	507	690	947
140	77.00	bu	77	117	162	216	278	354	446	561	709	906	1182
			-39	0	45	98	161	236	328	443	591	789	1065
150	82.50	bu	117	159	208	265	332	413	512	635	793	1005	1301
			0	42	91	147	215	295	394	517	676	887	1183

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, 2023.

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	13.67	0.0062	0.09	_____
LA Hired Labor					
Tractors	hour	13.67	0.2930	4.01	_____
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_____
DIESEL FUEL					
Tractors	gal	4.00	2.8274	11.30	_____
Engine, RPF, 75	gal	4.00	8.5535	34.20	_____
REPAIR & MAINTENANCE					
Implements	Acre	0.43	1.0000	0.43	_____
Tractors	Acre	1.94	1.0000	1.94	_____
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	1.50	1.0000	1.50	_____
TOTAL DIRECT EXPENSES				70.59	_____
FIXED EXPENSES					
Implements	Acre	1.38	1.0000	1.38	_____
Tractors	Acre	13.70	1.0000	13.70	_____
Well & Pump, Furrow	each	1675.26	0.0062	10.47	_____
Main Line Pipe	each	926.07	0.0062	5.79	_____
Land Forming (\$300)	each	33.16	1.0000	33.17	_____
Engine, RPF, 75	each	1676.52	0.0062	10.48	_____
TOTAL FIXED EXPENSES				74.99	_____
TOTAL SPECIFIED EXPENSES				145.58	_____

Appendix Table 2 Estimated costs per Acre  
Center pivot irrigation system, 1/4 mile  
applying 7.5 inches in three applications Louisiana, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
LA Hired Labor					
Special Labor	hour	13.67	0.2036	2.79	_____
DIESEL FUEL					
Engine, 1/4 CP, 65	gal	4.00	11.2011	44.80	_____
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	1.68	1.0000	1.68	_____
TOTAL DIRECT EXPENSES				71.22	_____
FIXED EXPENSES					
Well & Pump, 1/4 CP	each	1675.26	0.0074	12.41	_____
Engine, 1/4 CP, 65	each	1676.52	0.0074	12.42	_____
Pivot, 1/4 CP	each	8523.10	0.0074	63.13	_____
TOTAL FIXED EXPENSES				87.96	_____
TOTAL SPECIFIED EXPENSES				159.18	_____



Appendix Table 3. Operating Inputs: Estimated Prices for 2023.

ITEM NAME	UNIT	PRICE
dollars		
ADJUVANTS		
Surfactant	pt	3.30
CUSTOM FERT/LIME		
Lime (Spread)	ton	59.00
CUSTOM HARVEST/HAUL		
Haul Rice	bu	0.35
Haul Rice (cwt)	cwt	0.25
Haul Sorghum	bu	0.25
Haul Soybeans	bu	0.27
Haul Wheat	bu	0.26
LARice Haul	cwt	0.30
CUSTOM PLANT		
Custom Spread + Seed	appl	0.00
LARice Air Plant SW	cwt	5.60
Plant by Air	cwt	8.00
CUSTOM SPRAY		
App 2,4-D Helicopter	appl	0.00
App by Air ( 1 gal)	appl	2.50
App by Air ( 2 gal)	appl	9.00
App by Air ( 3 gal)	appl	6.40
App by Air ( 5 gal)	appl	7.60
App by Air (10 gal)	appl	9.70
App Furadan by Air	appl	0.00
App Ordram by Air	appl	0.00
Custom Terragator	acre	5.00
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	50.00
Anhy Ammonia (82% N)	cwt	28.00
Boron (Solubor)	lb	0.75
Crop Oil ( Seed Oil)	pt	2.90
DAP	cwt	55.40
Fert 0-20-20	cwt	0.00
Fert 10-10-10	cwt	0.00
Fert 10-34-0	cwt	45.99
Fert 10-34-0	gal	5.36
Fert 13-13-13	cwt	0.00
Fert 41-0-0-4	cwt	37.06
Fert 5-20-20	cwt	0.00
Haul Corn	bu	0.23
Haul Cotton	lb	0.02
LA Nitrogen	lb	0.78
LA Phosphate	lb	0.90
LA Potash	lb	0.67
Phosphorus(46% P2O5)	cwt	50.00
Potash (60% K2O)	cwt	46.61
Sulfur	lb	0.34
UAN (32% N)	cwt	38.90
UAN + Sulfur (28% N)	cwt	14.49
Urea, Solid (46% N)	cwt	28.63
Zinc	lb	0.50
FUNGICIDES		
Apron Maxx RTA	oz	1.00
Apron XL	oz	6.98
Apron XL LS	oz	5.27
Benlate 50 WP	lb	15.95
Captan 4L	pt	2.83
Captan 50 WP	lb	6.13
Crop Oil (Petroleum)	pt	2.90
Cruiser 5FS	oz	0.90
Delta Coat AD	oz	3.75
Dithane F-45	qt	7.81
Dithane Rainsheild	lb	4.08
Fungicide	lb	2.82
Gem 25 WG	oz	3.70
Manzate 75 DF	lb	4.86
Manzate Flowable	pt	4.60
Moncut 70 DF	lb	32.81
Orbit	oz	2.75
Prevail	lb	28.50
Quadris	oz	6.73
Ridomil GoldPC 10G	lb	2.08

Appendix Table 3. Operating inputs: estimated prices Louisiana, 2023.

ITEM NAME	UNIT	PRICE
dollars		
FUNGICIDES CONT'D		
Rovral 4F	pt	14.90
Rovral WG	lb	0.00
Shelter	oz	8.50
Stiletto	oz	0.58
Stratego	pt	23.93
Terraclor Flowable	pt	4.74
Terraclor 2EC	pt	1.87
Terraclor Super X EC	pt	3.95
Terraclor Super X G	lb	2.82
Tilt 3.6 EC	oz	1.00
Vitavax 200	oz	0.47
Vitavax M Flowable	oz	1.06
Vitavax RTU-Thiram	oz	0.40
Vitavax T-L	oz	0.29
GIN/DRY		
Dry Corn	bu	0.19
Dry Grain Sorghum	cwt	0.25
Dry Rice	bu	0.40
Dry Rice (cwt)	cwt	0.90
Gin	lb	0.11
LRice Dry	cwt	0.90
GROWTH REGULATORS		
Early Harvest PGR	oz	1.55
LA Polado	oz	0.46
Mepex	oz	0.09
PGR IV	oz	1.55
Pix Plus	oz	0.40
Pix Ultra	oz	0.21
HARVEST AIDS		
Accelerate	pt	2.59
Ammonium Sulfate	lb	0.24
Boll'd	pt	3.84
CottonQuik	pt	6.06
Def 6	pt	7.50
Def/Folex	pt	12.50
Dropp 50 WP	lb	45.45
Dropp SC	oz	1.56
Ethephon 6E	pt	3.56
Finish 6	pt	11.74
Folex 6EC	pt	12.50
Ginstar EC	pt	29.72
Gramoxone Extra	pt	4.86
Gramoxone Inteon	oz	0.19
Gramoxone Max	pt	4.16
Harvade 5F	oz	0.67
Leafless	pt	18.56
Prep	pt	3.84
Sodium Chlorate 3L	gal	3.50
Sodium Chlorate 6L	gal	6.77
Starfire	pt	0.00
HERBICIDES		
2,4-D Amine 4	pt	3.25
2,4-D Ester	pt	5.03
AAtrex 4L	pt	2.62
AAtrex NINE-O	lb	3.96
Accent Gold	oz	6.12
Accent SP	oz	31.94
Aim 2EC	oz	4.90
Aim DF	oz	9.65
App Fert by Air	cwt	7.00
Arrosolo	qt	7.88
Assure II	oz	0.74
Atrazine 4L	pt	3.15
Atrazine 90DF	lb	4.50
Authority 75DF	lb	26.95
Axiom 68DF	lb	25.74
Backdraft	pt	2.40
Banvel	pt	4.81
Basagran	pt	5.43
Basis Gold	lb	9.00
Beacon 75% WSP	oz	34.87
Beyond	oz	4.48
Bicep II Magnum	qt	11.80

Appendix Table 3. Operating inputs: estimated prices Louisiana, 2023.

ITEM NAME	UNIT	PRICE
dollars		
HERBICIDES CONT'D		
Bicep II zmsgnum	qt	11.18
Bladex 4L	qt	0.00
Bladex 90DF	lb	0.00
Blazer 2L	pt	0.00
Blazer Ultra	pt	9.79
Boa	pt	3.63
Bolero 8EC	pt	7.73
Boundary	pt	11.07
Buctril 4EC	pt	4.28
Butoxone 175 (2,4-DB)	pt	3.24
Butoxone 200 (2,4-DB)	pt	3.92
Butyrac 175 (2,4-DB)	pt	3.29
Butyrac 200 (2,4-DB)	pt	4.06
Canopy 75%	oz	3.25
Canopy XL	oz	3.25
Caparol 4L	pt	4.97
Caparol Accu-Pak	lb	0.00
Celebrity Plus	lb	84.50
Clarity	pt	14.30
Classic	oz	18.50
Clincher EC	oz	2.09
Cobra 2EC	oz	1.23
Command 3ME	pt	18.00
Command XTRA	pt	0.00
Conclude Ultra	pt	0.00
Conclude Ultra	pt	0.00
Conclude XACT	pt	11.32
Conclude XTRA	pt	8.32
Cornerstone	pt	2.50
Cotoran 4L	pt	6.37
Cotoran DF	lb	7.92
Cotton Pro Flowable	pt	3.75
Crossbow	pt	8.05
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	3.25
Diuron 80 DF	lb	5.50
Domain 60DF	lb	12.75
DSMA 4	pt	0.90
Dual 8E	pt	0.00
Dual II Magnum	pt	11.60
Dual Magnum	pt	11.45
Duet	pt	6.09
Evik DF 80W	lb	11.22
Exceed	oz	10.71
Exceed Custom Pak	oz	11.50
Expert	pt	4.39
Facet 75DF	lb	50.00
First Rate	oz	37.99
Flexstar HL	pt	6.88
FloMet 4L	pt	4.74
Freedom	qt	2.51
Front Row	oz	21.92
Frontier 6.0	oz	0.63
Fultime	pt	6.29
Fusilade DX	oz	1.19
Fusion	pt	29.86
Glyphos	pt	1.80
Glyphomax	pt	3.49
Glyphosate Plus 4L	pt	4.95
Glystar Plus	pt	2.17
Goal 2XL	pt	8.75
Gramoxone Extra	pt	0.00
Gramoxone Max	pt	3.00
Gramoxone Max	pt	3.00
Grandstand R	qt	18.68
Guardzman	pt	4.66
Guardzman Max	pt	7.22
Harmony Extra	oz	10.34

Appendix Table 3. Operating Inputs: Estimated Prices for 2023.

ITEM NAME	UNIT	PRICE
dollars		
HERBICIDES CONT'D		
Hoelon 3EC	pt	11.03
Karmex DF	lb	5.93
LA Asulox/Asulam	gal	53.26
LA Weedmaster	qt	10.00
Lariat	qt	7.58
Lasso 4EC	qt	6.60
Lasso II 15G	lb	0.00
Layby Pro	qt	3.87
Lexone 75DF	lb	18.90
Liberty	pt	8.84
Lightning	oz	14.25
Lightning	oz	14.25
Linex 4L	pt	9.28
Londax 60DF	oz	18.08
Lorox 50DF	lb	24.12
Matador	pt	0.00
MSMA 6.6	pt	6.35
MSMA6 + Surfactant	pt	6.35
Newpath 2SL	oz	4.15
Ordram 15-G	lb	1.34
Ordram 8-E	pt	9.42
Outlook	pt	14.77
Pendimax 3.3	pt	2.47
Permit 75DF	oz	20.07
Poast 1.53	pt	12.77
Poast Plus	pt	9.69
Propanil 4E	qt	5.15
Prowl 3.3 EC	pt	6.63
Pursuit DG	oz	11.59
Pursuit Plus EC	pt	7.10
Python WDG	oz	15.10
Raptor	oz	4.38
Reflex 2LC	pt	7.34
Regiment 80WP	oz	4.38
Remedy	pt	8.45
Resource .86EC	pt	26.88
Ricestar	pt	26.01
Roundup Original	pt	6.00
Roundup Original Max	oz	0.38
Roundup Power Max	pt	6.25
Roundup Ultra MAX	pt	5.97
Roundup Ultra Dry	lb	6.14
Roundup WeatherMax	oz	0.19
Scepter 70 DG	oz	4.64
Select 2EC	oz	0.87
Sencor 4F	pt	14.74
Sencor DF	lb	17.78
Squadron CE	pt	12.50
Stam 4E	qt	7.72
Stam 80 EDF	lb	9.45
Staple 85%	oz	16.01
Staple Plus	oz	8.55
Steadfast	oz	12.26
Steel	pt	10.28
Storm	pt	12.65
Strongarm	oz	56.42
Superwham	qt	9.82
Suprend	lb	13.52
Surpass 20G	lb	2.36
Surpass EC	qt	26.36
Touchdown	qt	10.21
Touchdown 4 IQ	pt	3.33
Touchdown Total	qt	10.21
Treflan HFP	pt	4.36
Treflan TR-10	lb	1.10
Tri-Scept	pt	5.24
Trifluralin 4EC	pt	3.50
Trilin 10G	lb	0.79
Trilin 4EC	pt	2.12
Typhoon	qt	13.06
Valor WP	oz	3.20
Whip 360	pt	25.08
Zorial Rapid 80DF	lb	14.10

Appendix Table 3. Operating Inputs: Estimated Prices for 2023.

ITEM NAME	UNIT	PRICE
dollars		
INSECTICIDES		
Acephate 80SP	lb	0.00
Acephate 90SP	lb	6.62
Admire 2 Flowable	oz	4.78
Ammo 2.5 EC	oz	0.85
App Fert by Air (Min)	appl	7.50
Asana .66 XL	oz	0.58
Aztec 2.1% G	lb	3.88
Baythroid 2	oz	2.58
Belt	oz	7.00
Besiege	oz	2.75
Bidrin 8L	oz	1.43
Brigade EC	pt	9.60
Brigade WSB	lb	26.04
Capture 2EC	oz	2.28
Carbamate	oz	0.00
Centric 40WG	oz	5.95
Comite	pt	8.45
Condor XL	pt	0.00
Confirm 2F	oz	1.88
Counter 15G	lb	4.51
Counter CR	lb	2.65
Curacron 8E	pt	10.75
Custom Apply Fert	acre	7.00
Decis 1.5EC	oz	2.84
Declare	pt	4.08
Denim 0.16EC	pt	32.63
Di-Syston 15G	lb	3.48
Di-Syston 8	pt	14.32
Diamond .83EC	pt	19.52
Dimethoate 4E	pt	6.45
Dimilin 2L	oz	1.63
Dipel DF	lb	13.13
Dipel ES	pt	4.89
Force 3G	lb	7.28
Furadan 3G	lb	0.00
Furadan 4F	pt	9.81
Fury 1.5 EC	oz	1.30
Gaucha 480	oz	5.80
Intrepid 2F	oz	1.94
Intruder 70WP	oz	1.80
Karate Z	oz	1.41
Lannate LV	pt	8.33
Lannate SP	oz	2.42
Larvin 3.2	oz	0.63
Leverage 2.7	oz	2.17
Lorsban 15G	lb	2.35
Lorsban 4E	pt	6.10
Malathion 57EC	pt	6.43
Malathion 8E	pt	9.84
Malathion ULV	pt	4.93
Mepichlor 4.2% Liq	pt	5.91
Methyl Parathion	pt	5.79
Monitor 4	pt	16.50
Monitor 4	pt	16.50
Mustang Max	oz	1.17
Organophosphate	oz	0.00
Orthene 90S	lb	7.00
Orthene 97	lb	11.66
Ovasyn	pt	0.00
Ovicide	oz	0.00
Pennacap M	pt	6.71
Phaser 3E	qt	8.13
Pirate 3SC	oz	0.00
Pounce 25WP	lb	19.52
Pounce 3.2 EC	oz	0.34
Prevathon	oz	1.05
Provado 1.6F	oz	1.94
Scout X-TRA	oz	0.00
Sevin 80S	lb	7.40
Sevin XLR Plus	qt	17.53
Sivanto	oz	2.50
Spintor 2SC	oz	4.93
Steward	pt	39.51

Appendix Table 3. Operating Inputs: Estimated Prices for 2023.

ITEM NAME	UNIT	PRICE
		dollars
INSECTICIDES CONT'D		
Temik 15G Grit	lb	4.00
Thimet 20-G	lb	3.65
Thionex 3EC	pt	4.17
Thionex 50W	lb	10.45
Tracer	oz	9.73
Transform	oz	7.81
Trimax	oz	1.85
Vydate C-LV	oz	0.93
Warrior Z	oz	1.80
Warrior ZT	oz	3.13
IRRIGATION SUPPLIES		
Rice Gates	each	3.65
Roll-Out Pipe	ft	0.24
OVERHEAD		
Farmstead & Drainage	Dol	1.00
LA Rice Insurance	Dollar	1.00
LA Rice Misc. Overhd	dollar	1.00
LA Rice Property Tax	dollar	1.00
Shops Bldg & Equip.	Dol	6.55
SERVICE FEE		
Utilities	Dol	1.00
SEED/PLANTS		
Corn Seed Bt	thous	3.75
Corn Seed BtRR	thous	3.75
Corn Seed Conv.	thous	2.36
Corn Seed RR	thous	3.38
Corn Seed VT3	thous	3.91
Corn Seed VT3Pro	thous	3.91
Cotton Seed BG/RR	thous	0.62
Cotton Seed BGII/RRF	thous	2.70
Cotton Seed Bt	thous	2.60
Cotton Seed BtRR	thous	3.15
Cotton Seed Liberty	thous	1.05
Cotton Seed Liberty	thous	1.05
Cotton Seed RR	thous	0.63
Cotton Seed RR	thous	0.63
Cotton Seed WS	thous	0.49
Cotton Seed WS/RRF	thous	0.59
Rice Clearfield 161	lb	1.14
Rice Clearfield XL8	lb	6.12
Rice Seed (Levees)	lb	0.90
Rice Seed CF (Levees)	lb	0.95
Rice Seed Conv.	lb	0.33
Rice Seed Hybrid	lb	5.66
SC Cultured seedcane	acre	665.00
Sorghum Concept	lb	2.42
Sorghum Hybrid Sudax	lb	1.20
Sorghum NonConcept	lb	1.18
Soybean Seed LL	lb	1.16
Soybean Seed Private	lb	0.38
Soybean Seed Public	lb	0.00
Soybean Seed RR	lb	1.16
Soybean Seed Stack	lb	1.28
Wheat Seed Private	lb	0.38
Wheat Seed Public	lb	0.00
SERVICE FEE		
Cotton Checkoff	bale	2.56
Cotton Storage	bale	25.00
Crop Consultant	acre	9.00
Custom Apply	acre	8.00
Custom Combine Rice	acre	0.00
Custom Spread (Truc	appl	4.50
Digital Ag Fee	acre	10.00
Insect Scouting	acre	7.00
LA Rice Air Plant NE	cwt	5.50
Rice Consultant	acre	9.00

Appendix Table 3. Operating Inputs: Estimated Prices for 2023.

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

Appendix Table 4. Tractors: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Louisiana 2023.

Item Name	Size	Purchase	Annual	Useful	Fuel	Labor	Fuel	R&M	Total	Fixed	Total
		Price	Use	Life	Use			Direct	Cost		
		dollars	hours	years	gal/hr	-----\$/hour-----					
Combine (200-249 hp)	240hp	161,548	300	8	12.35	16.54	49.40	16.82	82.76	74.02	156.79
Combine (250-299 hp)	275hp	463,000	300	8	14.15	16.54	56.60	48.22	121.36	212.16	333.53
Combine (250-299hp)	Grass295hp	218,222	300	8	15.18	16.54	60.72	22.73	99.99	99.99	199.99
Combine (300-349 hp)	325hp	468,000	300	8	16.73	16.54	66.92	48.75	132.21	214.45	346.66
Combine (350-379 hp)	370hp	500,000	300	8	19.04	16.54	76.16	52.08	144.78	229.12	373.90
Cotton Stripper	173hp	170,000	200	8	8.08	16.54	32.32	26.56	75.42	116.85	192.27
Tractor( 40-59hp)Cab	2WD 50	34,600	600	8	2.57	13.67	10.29	1.08	25.04	7.36	32.40
Tractor( 40-59hp)Cab	MFWD 50	47,000	600	8	2.57	13.67	10.29	1.46	25.43	10.00	35.43
Tractor( 40-59hp)RB	2WD 50	30,900	600	8	2.57	13.67	10.29	0.96	24.93	6.57	31.50
Tractor( 40-59hp)RB	MFWD 50	31,400	600	8	2.57	13.67	10.29	0.98	24.94	6.68	31.62
Tractor( 60-89hp)CAB	2WD 75	64,300	600	8	3.86	13.67	15.44	2.00	31.12	13.68	44.80
Tractor( 60-89hp)CAB	MFWD 75	72,000	600	8	3.86	13.67	15.44	2.25	31.36	15.32	46.68
Tractor( 60-89hp)RB	2WD 75	54,100	600	8	3.86	13.67	15.44	1.69	30.80	11.51	42.31
Tractor( 60-89hp)RB	MFWD 75	48,100	600	8	3.86	13.67	15.44	1.50	30.61	10.23	40.85
Tractor( 90-119hp)CB	2WD 105	83,900	600	8	5.40	13.67	21.61	2.62	37.91	17.85	55.76
Tractor( 90-119hp)CB	MFWD 105	104,000	600	8	5.40	13.67	21.61	3.25	38.53	22.13	60.67
Tractor( 90-119hp)RB	2WD 105	73,400	600	8	5.40	13.67	21.61	2.29	37.58	15.62	53.20
Tractor( 90-119hp)RB	MFWD 105	81,100	600	8	5.40	13.67	21.61	2.53	37.82	17.25	55.08
Tractor(120-139hp)CB	2WD 130	117,600	600	8	6.69	13.67	26.76	3.67	44.11	25.02	69.13
Tractor(120-139hp)CB	MFWD 130	133,300	600	8	6.69	13.67	26.76	4.16	44.60	28.36	72.97
Tractor(140-159hp)CB	2WD 150	131,200	600	8	7.72	13.67	30.88	4.10	48.65	27.92	76.57
Tractor(140-159hp)CB	MFWD 150	158,000	600	8	7.72	13.67	30.88	4.93	49.49	33.62	83.11
Tractor(160-179hp)CB	2WD 170	166,000	600	8	8.75	13.67	35.00	5.18	53.85	36.68	90.53
Tractor(160-179hp)CB	MFWD 170	186,000	600	8	8.75	13.67	35.00	5.81	54.48	41.10	95.58
Tractor(160-199hp)CB	Track 180	142,710	600	8	9.26	13.67	37.06	4.45	55.19	31.53	86.72
Tractor(180-199hp)CB	2WD 190	143,000	600	8	9.77	13.67	39.11	4.46	57.25	31.59	88.85
Tractor(180-199hp)CB	MFWD 190	216,000	600	8	9.77	13.67	39.11	6.75	59.53	47.72	107.26
Tractor(200-249hp)CB	4WD 225	147,066	600	8	11.58	13.67	46.32	4.59	64.59	32.49	97.08
Tractor(200-249hp)CB	MFWD 225	276,000	600	8	11.58	13.67	46.32	8.62	68.62	60.98	129.60
Tractor(200-249hp)CB	Track 225	277,000	600	8	11.58	13.67	46.32	8.65	68.65	61.20	129.86
Tractor(250-349hp)CB	4WD 300	377,000	600	8	15.44	13.67	61.76	11.78	87.21	83.30	170.52
Tractor(250-349hp)CB	Track 300	329,000	600	8	15.44	13.67	61.76	10.28	85.71	72.69	158.41
Tractor(350-449hp)CB	4WD 400	428,000	600	8	20.58	13.67	82.35	13.37	109.40	94.57	203.97
Tractor(350-449hp)CB	Track 400	547,000	600	8	20.58	13.67	82.35	17.09	113.11	120.87	233.99
Tractor(450-uphp) CB	TRACK-475	279,879	600	8	24.44	13.67	97.79	8.74	120.21	61.84	182.05



Appendix Table 5. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, Louisiana 2023.

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Perf Rate	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	hr/ac	-----\$/acre-----					
ATV - 4 Wheeler	12'	0	100	8	1.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
ATV - 4 Wheeler	20'	9,360	100	8	1.00	0.200	3.30	0.50	0.46	4.27	2.48	6.75
Butt Levee (Backhoe)	70 HP	73,000	150	8	5.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Cotton Picker-1st-BB	2R38"157hp	144,912	200	8	8.08	0.519	15.69	16.79	11.76	44.25	51.76	96.02
Cotton Picker-1st-BB	4R2X1260hp	317,399	200	8	13.33	0.172	5.20	9.18	8.54	22.93	37.59	60.53
Cotton Picker-1st-BB	4R30"250hp	262,000	200	8	12.86	0.327	9.89	16.85	13.40	40.14	58.95	99.10
Cotton Picker-1st-BB	4R30"325hp	350,000	200	8	18.01	0.327	9.89	23.58	17.90	51.37	78.76	130.13
Cotton Picker-1st-BB	4R38"255hp	268,000	200	8	13.12	0.257	7.78	13.53	10.79	32.11	47.48	79.60
Cotton Picker-1st-BB	4R38"325hp	351,000	200	8	18.01	0.257	7.78	18.57	14.13	40.49	62.19	102.68
Cotton Picker-1st-BB	5R30"255hp	285,000	200	8	12.86	0.261	7.91	13.47	11.66	33.04	51.30	84.35
Cotton Picker-1st-BB	5R38"250hp	284,601	200	8	12.86	0.207	6.25	10.66	9.21	26.13	40.53	66.67
Cotton Picker-1st-BB	6R30"325hp	465,000	200	8	18.27	0.218	6.59	15.94	15.85	38.40	69.75	108.15
Cotton Picker-1st-BB	6R38"330hp	465,000	200	8	18.27	0.172	5.20	12.59	12.51	30.31	55.07	85.39
Cotton Picker-1st-Tr	4R30"157hp	144,912	200	8	8.08	0.519	15.69	16.79	11.76	44.25	51.76	96.02
Cotton Picker-1st-Tr	4R2X1255hp	322,137	200	8	18.01	0.172	5.20	12.41	8.67	26.29	38.15	64.44
Cotton Picker-1st-Tr	4R30"250hp	261,825	200	8	12.86	0.327	9.89	16.85	13.39	40.13	58.91	99.05
Cotton Picker-1st-Tr	4R30"325hp	311,088	200	8	16.72	0.327	9.89	21.90	15.91	47.71	70.00	117.71
Cotton Picker-1st-Tr	4R38"255hp	268,000	200	8	13.12	0.257	7.78	13.53	10.79	32.11	47.48	79.60
Cotton Picker-1st-Tr	4R38"325hp	351,000	200	8	18.01	0.257	7.78	18.57	14.13	40.49	62.19	102.68
Cotton Picker-1st-Tr	5R30"255hp	285,303	200	8	13.12	0.261	7.91	13.74	11.67	33.33	51.36	84.69
Cotton Picker-1st-Tr	5R38"250hp	290,471	200	8	12.86	0.207	6.25	10.66	9.40	26.32	41.36	67.69
Cotton Picker-1st-Tr	6R30"325hp	465,000	200	8	16.72	0.218	6.59	14.60	15.85	37.05	69.75	106.81
Cotton Picker-1st-Tr	6R38"330hp	465,000	200	8	18.01	0.172	5.20	12.41	12.51	30.13	55.07	85.21
Cotton Picker-2nd-BB	2R38"157hp	144,912	200	8	8.08	0.440	13.29	14.22	9.96	37.49	43.84	81.33
Cotton Picker-2nd-BB	4R2x1260hp	322,187	200	8	18.01	0.145	4.40	10.51	7.34	22.27	32.32	54.59
Cotton Picker-2nd-BB	4R30"250hp	261,825	200	8	12.86	0.277	8.37	14.27	11.34	33.99	49.90	83.90
Cotton Picker-2nd-BB	4R30"325hp	311,088	200	8	16.72	0.277	8.37	18.55	13.47	40.41	59.29	99.71
Cotton Picker-2nd-BB	4R38"255hp	268,000	200	8	13.12	0.218	6.59	11.46	9.14	27.20	40.22	67.42
Cotton Picker-2nd-BB	4R38"325hp	351,000	200	8	18.01	0.218	6.59	15.72	11.97	34.30	52.68	86.98
Cotton Picker-2nd-BB	5R30"255hp	285,303	200	8	13.12	0.221	6.70	11.64	9.88	28.23	43.50	71.74
Cotton Picker-2nd-BB	5R38"250hp	284,601	200	8	12.86	0.175	5.30	9.03	7.80	22.14	34.33	56.47
Cotton Picker-2nd-BB	6R30"325hp	465,000	200	8	18.01	0.184	5.58	13.31	13.43	32.33	59.08	91.42
Cotton Picker-2nd-BB	6R38"330hp	465,000	200	8	18.01	0.145	4.40	10.51	10.60	25.52	46.64	72.17
Cotton Picker-2nd-Tr	2R38"157hp	144,912	200	8	8.08	0.440	13.29	14.22	9.96	37.49	43.84	81.33
Cotton Picker-2nd-Tr	4R2X1260hp	322,137	200	8	18.01	0.145	4.40	10.51	7.34	22.27	32.31	54.58
Cotton Picker-2nd-Tr	4R30"250hp	261,825	200	8	12.86	0.277	8.37	14.27	11.34	33.99	49.90	83.90
Cotton Picker-2nd-Tr	4R30"325hp	311,088	200	8	16.72	0.277	8.37	18.55	13.47	40.41	59.29	99.71
Cotton Picker-2nd-Tr	4R38"255hp	268,000	200	8	13.12	0.218	6.59	11.46	9.14	27.20	40.22	67.42
Cotton Picker-2nd-Tr	4R38"325hp	351,000	200	8	18.01	0.218	6.59	15.72	11.97	34.30	52.68	86.98
Cotton Picker-2nd-Tr	5R30"255hp	285,303	200	8	13.12	0.221	6.70	11.64	9.88	28.23	43.50	71.74
Cotton Picker-2nd-Tr	5R38"250hp	290,471	200	8	12.86	0.175	5.30	9.03	7.96	22.30	35.04	57.34
Cotton Picker-2nd-Tr	6R30"325hp	465,000	200	8	16.72	0.184	5.58	12.37	13.43	31.38	59.08	90.47
Cotton Picker-2nd-Tr	6R38"330hp	465,000	200	8	18.01	0.145	4.40	10.51	10.60	25.52	46.64	72.17
Cotton Picker/Module	6R-30(500)	854,000	200	8	25.73	0.218	6.59	22.46	29.12	58.18	128.11	186.29
LA Pickup Truck	1/2 ton	28,000	800	5	2.50	1.000	13.67	6.25	3.15	23.07	7.90	30.97
LA Rice Combine	25 ft	181,500	300	10	8.60	0.300	5.46	10.33	14.53	30.32	24.42	54.75
LA Rice Combine-2	25 ft	181,500	300	10	8.60	0.300	5.46	10.33	14.53	30.32	24.42	54.75
LARice Combine Med	20 ft	165,000	300	10	7.10	0.210	3.82	5.96	9.24	19.03	15.53	34.56
Levee Sprayer	27'	30,768	350	8	2.57	0.038	0.89	0.39	0.06	1.35	0.46	1.81
Sprayer( 300-450Gal)	47'	0	350	8	5.40	0.022	0.52	0.48	0.00	1.01	0.00	1.01
Sprayer( 300-450Gal)	60'	103,000	350	8	5.66	0.017	0.41	0.39	0.09	0.90	0.71	1.62
Sprayer( 300-450Gal)	80'	103,000	350	8	5.66	0.013	0.30	0.29	0.07	0.68	0.53	1.21
Sprayer( 600-750Gal)	60'	216,000	350	8	10.29	0.017	0.41	0.72	0.20	1.34	1.49	2.83
Sprayer( 600-825Gal)	80'	269,000	350	8	10.29	0.013	0.30	0.54	0.19	1.04	1.39	2.44
Sprayer( 600-825Gal)	90'	328,000	350	8	10.29	0.011	0.27	0.48	0.20	0.96	1.51	2.47
Sprayer(1000-1400Gal)	90'	328,000	350	8	14.15	0.014	0.32	0.79	0.24	1.37	1.81	3.19
Sprayer(1200PlusGal)	120'	489,000	350	8	15.44	0.008	0.20	0.54	0.23	0.98	1.69	2.67
Sprayer( 600-750Gal)	60'	216,000	350	8	10.29	0.017	0.31	0.44	0.20	0.96	1.44	2.40
Sprayer( 600-825Gal)	80'	234,000	350	8	10.29	0.013	0.26	0.38	0.16	0.81	1.02	1.83
Sprayer( 600-825Gal)	90'	328,000	350	8	10.29	0.011	0.23	0.34	0.20	0.78	1.27	2.06
Sprayer(1000-1400Gal)	90'	328,000	350	8	14.15	0.014	0.27	0.56	0.24	1.09	1.53	2.62
Sprayer(1200PlusGal)	120'	401,000	350	8	15.44	0.008	0.17	0.38	0.18	0.75	1.17	1.92

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2023.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
Blade-Box	6'	2WD 130	2,070	200	20	0.020	0.27	0.53	0.01	0.07	0.90	0.01	0.50	1.42
Blade-Box	10'	2WD 50	3,890	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Box	14'	2WD 50	6,190	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	6'	2WD 50	1,270	200	20	1.176	16.08	12.11	0.70	1.13	30.03	0.67	7.73	38.44
Blade-Scraper	10'	2WD 50	3,870	200	20	1.176	16.08	12.11	2.16	1.13	31.49	2.04	7.73	41.27
Blade-Scraper	14'	2WD 50	10,790	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boll Buggy-1st Pick	2R38"157hp	MFWD 190	30,500	200	10	0.519	7.10	20.32	3.96	3.50	34.90	9.21	24.80	68.91
Boll Buggy-1st pick	4R2x1260hp	MFWD 190	30,500	200	10	0.172	2.35	6.74	1.31	1.16	11.57	3.05	8.22	22.85
Boll Buggy-1st pick	4R30"255hp	MFWD 190	30,500	200	10	0.327	4.47	12.80	2.49	2.20	21.98	5.80	15.62	43.41
Boll Buggy-1st pick	4R30"325hp	MFWD 190	30,500	200	10	0.327	4.47	12.80	2.49	2.20	21.98	5.80	15.62	43.41
Boll Buggy-1st pick	4R38"255hp	MFWD 190	30,500	200	10	0.257	3.52	10.08	1.96	1.74	17.31	4.57	12.30	34.18
Boll Buggy-1st pick	4R38"325hp	MFWD 190	30,500	200	10	0.257	3.52	10.08	1.96	1.74	17.31	4.57	12.30	34.18
Boll Buggy-1st pick	5R30"255hp	MFWD 190	30,500	200	10	0.261	3.58	10.24	1.99	1.76	17.59	4.64	12.50	34.73
Boll Buggy-1st pick	5R38"255hp	MFWD 190	30,500	200	10	0.207	2.83	8.10	1.57	1.39	13.91	3.67	9.88	27.47
Boll Buggy-1st pick	6R30"325hp	MFWD 190	30,500	200	10	0.218	2.98	8.53	1.66	1.47	14.65	3.86	10.41	28.94
Boll Buggy-1st pick	6R38"325hp	MFWD 190	30,500	200	10	0.172	2.35	6.74	1.31	1.16	11.57	3.05	8.22	22.85
Boll Buggy-2nd pick	2R38"157hp	MFWD 190	30,500	200	10	0.440	6.01	17.21	3.35	2.97	29.56	7.80	21.00	58.37
Boll Buggy-2nd pick	4R2x1260hp	MFWD 190	30,500	200	10	0.145	1.99	5.70	1.11	0.98	9.80	2.58	6.96	19.35
Boll Buggy-2nd pick	4R30"255hp	MFWD 190	30,500	200	10	0.277	3.79	10.84	2.11	1.87	18.62	4.91	13.23	36.77
Boll Buggy-2nd pick	4R30"325hp	MFWD 190	30,500	200	10	0.277	3.79	10.84	2.11	1.87	18.62	4.91	13.23	36.77
Boll Buggy-2nd pick	4R38 255hp	MFWD 190	30,500	200	10	0.218	2.98	8.54	1.66	1.47	14.66	3.87	10.42	28.95
Boll Buggy-2nd pick	4R38 325hp	MFWD 190	30,500	200	10	0.218	2.98	8.54	1.66	1.47	14.66	3.87	10.42	28.95
Boll Buggy-2nd pick	5R30"255hp	MFWD 190	30,500	200	10	0.221	3.03	8.67	1.69	1.49	14.90	3.93	10.58	29.42
Boll Buggy-2nd pick	5R38"255hp	MFWD 190	30,500	200	10	0.175	2.39	6.86	1.33	1.18	11.78	3.11	8.37	23.27
Boll Buggy-2nd pick	6R30"325hp	MFWD 190	30,500	200	10	0.184	2.52	7.23	1.40	1.24	12.41	3.27	8.82	24.51
Boll Buggy-2nd pick	6R38"325hp	MFWD 190	30,500	200	10	0.145	1.99	5.70	1.11	0.98	9.80	2.58	6.96	19.35
Boll Buggy-Stripper	13' Bcast	MFWD 150	30,500	200	10	0.251	3.44	7.77	1.92	1.24	14.38	4.46	8.46	27.31
Boll Buggy-Stripper	16' Bcast	MFWD 150	30,500	200	10	0.204	2.79	6.31	1.56	1.01	11.68	3.62	6.88	22.19
Boll Buggy-Stripper	19' Bcast	MFWD 150	30,500	200	10	0.172	2.35	5.32	1.31	0.85	9.84	3.05	5.79	18.69
Boll Buggy-Stripper	4R30"2X1Br	MFWD 150	30,500	200	10	0.218	2.98	6.74	1.66	1.07	12.46	3.86	7.33	23.67
Boll Buggy-Stripper	4R30"Brush	MFWD 150	30,500	200	10	0.327	4.47	10.11	2.49	1.61	18.69	5.80	11.00	35.51
Boll Buggy-Stripper	4R38"2X1Br	MFWD 150	30,500	200	10	0.172	2.35	5.32	1.31	0.85	9.84	3.05	5.79	18.69
Boll Buggy-Stripper	4R38"Brush	MFWD 150	30,500	200	10	0.257	3.52	7.96	1.96	1.27	14.72	4.57	8.66	27.96
Boll Buggy-Stripper	5R30"Brush	MFWD 150	30,500	200	10	0.261	3.58	8.08	1.99	1.29	14.95	4.64	8.80	28.40
Boll Buggy-Stripper	5R38"Brush	MFWD 150	30,500	200	10	0.207	2.83	6.39	1.57	1.02	11.83	3.67	6.96	22.47
Boll Buggy-Stripper	6R30"Brush	MFWD 150	30,500	200	10	0.218	2.98	6.74	1.66	1.07	12.46	3.86	7.33	23.67
Chisel Plow(Folding)	16'	2WD 130	22,500	150	12	0.115	1.57	3.09	0.93	0.42	6.03	1.87	2.89	10.80
Chisel Plow(Folding)	24'	MFWD 190	48,500	150	12	0.076	1.04	2.99	1.33	0.51	5.89	2.67	3.64	12.21
Chisel Plow(Folding)	32'	MFWD 225	69,000	150	12	0.057	0.78	2.67	1.43	0.49	5.40	2.87	3.52	11.80
Chisel Plow(Folding)	42'	MFWD 225	71,900	150	12	0.044	0.60	2.03	1.14	0.37	4.16	2.28	2.68	9.13
Chisel Plow(Rigid)	15'	2WD 130	18,870	150	12	0.123	1.68	3.29	0.83	0.45	6.27	1.68	3.08	11.04
Chisel Plow(Rigid)	24'	MFWD 190	16,000	150	12	0.077	1.05	3.01	0.44	0.51	5.03	0.89	3.67	9.59
Chisel-Harrow	21 shank	2WD 190	6,750	150	12	0.088	1.20	3.44	0.21	0.39	5.25	0.42	2.78	8.46
Chisel-Harrow	27 shank	MFWD 225	14,100	150	12	0.068	0.93	3.17	0.34	0.59	5.04	0.69	4.17	9.92
Colter-Chisel-Harrow	21 shank	2WD 190	19,200	150	12	0.088	1.20	3.44	0.61	0.39	5.65	1.22	2.78	9.65
Colter-Chisel-Harrow	27 shank	MFWD 225	24,000	150	12	0.068	0.93	3.17	0.59	0.59	5.29	1.18	4.17	10.65
Corn Grain Cart 8R30	500 bu	MFWD 190	34,100	200	12	0.031	0.43	1.24	0.29	0.21	2.19	0.58	1.52	4.30
Corn Grain Cart 8R40	700bu	MFWD 190	51,600	200	12	0.025	0.34	0.97	0.34	0.16	1.83	0.69	1.19	3.73
Cult & Post	4R-38	2WD 105	24,700	150	10	0.173	3.55	3.74	1.14	0.39	8.83	3.42	2.70	14.96
Cult & Post	6R-30	MFWD 150	30,900	150	10	0.146	6.01	4.52	1.20	0.72	12.47	3.62	4.93	21.03
Cult & Post	6R-38	MFWD 150	32,000	150	10	0.115	2.37	3.57	0.98	0.57	7.51	2.96	3.89	14.36
Cult & Post	8R-30	MFWD 190	31,200	150	10	0.110	2.25	4.30	0.91	0.74	8.21	2.74	5.25	16.21
Cult & Post	8R-38	MFWD 190	41,500	150	10	0.086	1.78	3.40	0.96	0.58	6.73	2.88	4.15	13.76
Cult & Post	8R-38 2x1	MFWD 190	56,400	150	10	0.057	1.18	2.26	0.87	0.39	4.71	2.61	2.76	10.08
Cult & Post	10R-30	MFWD 225	32,000	150	10	0.088	1.80	4.07	0.75	0.75	7.39	2.25	5.36	15.00
Cult & Post	10R-38	MFWD 225	0	150	10	0.065	1.33	3.01	0.00	0.56	4.90	0.00	3.96	8.87
Cult & Post	12R-30	MFWD 225	56,500	150	10	0.073	1.50	3.39	1.10	0.63	6.63	3.31	4.47	14.42
Cult & Post	12R-38	MFWD 225	56,400	150	10	0.057	1.18	2.68	0.87	0.49	5.23	2.61	3.53	11.38
Cultipacker	12'	2WD 130	6,720	300	12	0.124	1.70	3.33	0.19	0.45	5.68	0.30	3.11	9.11
Cultipacker	20'	MFWD 150	10,900	300	12	0.074	1.02	2.30	0.19	0.36	3.88	0.30	2.51	6.69
Cultivate	4R-38	2WD 105	19,000	150	10	0.162	2.22	3.51	0.82	0.37	6.92	2.46	2.53	11.92
Cultivate	6R-30	MFWD 150	25,200	150	10	0.137	1.87	4.24	0.92	0.67	7.72	2.76	4.62	15.12
Cultivate	6R-38	MFWD 150	26,300	150	10	0.108	1.48	3.35	0.76	0.53	6.13	2.28	3.65	12.06
Cultivate	8R-30	MFWD 190	32,600	150	10	0.103	1.40	4.03	0.89	0.69	7.03	2.68	4.92	14.64
Cultivate	8R-38	MFWD 190	39,800	150	10	0.081	1.11	3.18	0.86	0.55	5.71	2.59	3.89	12.20
Cultivate	8R-38 2x1	MFWD 190	50,100	150	10	0.054	0.74	2.12	0.72	0.36	3.95	2.17	2.59	8.72
Cultivate	10R-30	MFWD 225	28,200	150	10	0.082	1.12	3.82	0.62	0.71	6.28	1.85	5.03	13.17
Cultivate	10R-38	MFWD 225	0	150	10	0.065	0.88	3.01	0.00	0.56	4.46	0.00	3.96	8.43
Cultivate	12R-30	MFWD 225	50,800	150	10	0.068	0.93	3.18	0.93	0.59	5.64	2.79	4.19	12.63
Cultivate	12R-38	MFWD 225	50,700	150	10	0.054	0.74	2.51	0.73	0.46	4.45	2.19	3.31	9.96
Disk & Incorporate	14'	2WD 130	45,200	200	10	0.149	3.06	4.00	2.02	0.55	9.65	4.05	3.74	17.45
Disk & Incorporate	24'	MFWD 190	71,300	200	10	0.087	1.79	3.41	1.86	0.58	7.66	3.73	4.16	15.56
Disk & Incorporate	32'	4WD 225	87,300	200	10	0.068	1.40	3.18	1.80	0.31	6.71	3.59	2.23	12.54
Disk & Incorporate	42'	MFWD 225	30,542	200	10	0.049	1.00	2.27	0.44	0.42	4.15	0.89	2.99	8.04
Disk Bed (Hipper)	4R-38	MFWD 150	15,700	160	10	0.147	2.01	4.55	0.57	0.72	7.88	1.73	4.96	14.58
Disk Bed (Hipper)	6R-30	MFWD 170	23,900	160	10	0.125	1.70	4.37	0.74	0.72	7.55	2.23	5.13	14.93
Disk Bed (Hipper)	6R-38	MFWD 170	23,900	160	10	0.098	1.34	3.45	0.58	0.57	5.96	1.76	4.05	11.78
Disk Bed (Hipper)	8R-30	MFWD 190	30,700	160	10	0.093	1.28	3.66	0.71	0.63	6.30	2.15	4.47	12.93
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	76,700	160	10	0.049	0.67	1.93	0.94	0.33	3.88	2.83	2.35	9.07
Disk Bed (Hipper)	10R-30	MFWD 225	19,900	160	10	0.075	1.02	3.47	0.37	0.64	5.51	1.11	4.57	11.21
Disk Bed (Hipper)	10R-38	MFWD 225	23,100	160	10	0.059	0.80	2.74	0.34	0.51	4.40	1.02	3.60	9.03
Disk Bed (Hipper)	12R-30	MFWD 225	59,900	160	10	0.062	0.85	2.89	0.93	0.53	5.22	2.80	3.81	11.84

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2023.

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

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate, (Continued) and direct and fixed cost per acre, Louisiana 2023.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M--- Imp.	P.U.	Total Direct	---Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	-----\$/acre-----							
Heavy Disk	21'	MFWD 170	40,600	180	10	0.097	1.33	3.40	1.09	0.56	6.39	2.63	3.99	13.02
Heavy Disk	27'	MFWD 190	50,400	180	10	0.075	1.03	2.96	1.05	0.51	5.56	2.54	3.61	11.71
LA Boom Sprayer	30 ft	MFWD 150	3,000	150	10	0.059	0.82	1.85	0.13	0.29	3.10	0.16	2.01	5.27
Land Plane	40'x10'	MFWD 190	6,020	200	10	0.242	3.31	9.49	0.29	1.63	14.73	0.87	11.58	27.19
Land Plane	50'x16'	MFWD 190	13,000	200	10	0.151	2.07	5.93	0.39	1.02	9.42	1.18	7.23	17.84
LARice Backhoe-Rrmnt	2 ft	MFWD 150	6,000	100	10	0.500	6.83	15.44	2.64	2.46	27.38	4.03	16.81	48.23
LARice Land Level	13 ft	MFWD 150	7,500	200	15	0.190	2.59	5.87	0.15	0.93	9.56	0.74	6.39	16.70
LARice Levee Plow	8 ft	4WD 300	4,600	150	10	0.050	0.68	3.08	0.07	0.58	4.43	0.20	4.16	8.80
LARice Water Level	24 ft	4WD 300	3,500	100	15	0.149	2.04	9.26	0.23	1.76	13.30	0.55	12.48	26.34
Levee Splitter (1/80	2 blade	2WD 150	9,220	50	10	0.004	0.05	0.12	0.00	0.01	0.20	0.09	0.11	0.41
Lo-Till & Bed	4R-38	MFWD 190	5,100	150	12	0.145	1.98	5.69	0.26	0.98	8.93	0.55	6.94	16.43
Middle Buster	6R-38	MFWD 150	12,800	160	8	0.120	1.64	3.71	0.36	0.59	6.30	1.27	4.04	11.62
Middle Buster	8R-30	MFWD 190	20,800	160	8	0.114	1.56	4.46	0.55	0.77	7.35	1.96	5.45	14.77
Middle Buster	8R-38	MFWD 190	18,100	160	8	0.090	1.23	3.53	0.38	0.60	5.75	1.35	4.30	11.42
Middle Buster	8R-40 2x1	MFWD 190	29,200	160	8	0.060	0.82	2.35	0.41	0.40	3.98	1.45	2.86	8.31
Middle Buster	10R-30	MFWD 225	29,300	160	8	0.091	1.24	4.23	0.62	0.78	6.89	2.21	5.57	14.68
Middle Buster	10R-38	MFWD 225	32,100	160	8	0.072	0.98	3.33	0.54	0.62	5.48	1.91	4.39	11.79
Middle Buster	12R-38	MFWD 225	29,200	160	8	0.060	0.82	2.78	0.41	0.51	4.53	1.45	3.66	9.65
Module Builder-1st	2R-38 (157)	MFWD 190	31,300	200	10	0.519	14.20	20.32	4.06	3.50	42.10	9.45	24.80	76.36
Module Builder-1st	4R-30 (255)	MFWD 190	34,700	200	10	0.327	8.95	12.80	2.84	2.20	26.80	6.60	15.62	49.03
Module Builder-1st	4R-30 (325)	MFWD 190	34,700	200	10	0.327	8.95	12.80	2.84	2.20	26.80	6.60	15.62	49.03
Module Builder-1st	4R-38 (255)	MFWD 190	34,700	200	10	0.257	7.04	10.08	2.23	1.74	21.10	5.20	12.30	38.61
Module Builder-1st	4R-38 (325)	MFWD 190	34,700	200	10	0.257	7.04	10.08	2.23	1.74	21.10	5.20	12.30	38.61
Module Builder-1st	4R2x1260hp	MFWD 190	34,700	200	10	0.172	4.71	6.74	1.49	1.16	14.10	3.47	8.22	25.80
Module Builder-1st	5R-30 (255)	MFWD 190	34,700	200	10	0.261	7.16	10.24	2.27	1.76	21.44	5.28	12.50	39.22
Module Builder-1st	5R-38 (255)	MFWD 190	34,700	200	10	0.207	5.66	8.10	1.79	1.39	16.96	4.17	9.88	31.03
Module Builder-1st	6R-30 (325)	MFWD 190	34,700	200	10	0.218	5.96	8.53	1.89	1.47	17.87	4.40	10.41	32.69
Module Builder-1st	6R-38 (325)	MFWD 190	34,700	200	10	0.172	4.71	6.74	1.49	1.16	14.10	3.47	8.22	25.80
Module Builder-2nd	2R-38 (157)	MFWD 190	34,700	200	10	0.440	12.03	17.21	3.81	2.97	36.04	8.87	21.00	65.93
Module Builder-2nd	4R-30 (255)	MFWD 190	34,700	200	10	0.277	7.58	10.84	2.40	1.87	22.70	5.59	13.23	41.53
Module Builder-2nd	4R-30 (325)	MFWD 190	34,700	200	10	0.277	7.58	10.84	2.40	1.87	22.70	5.59	13.23	41.53
Module Builder-2nd	4R-38 (255)	MFWD 190	34,700	200	10	0.218	5.96	8.54	1.89	1.47	17.87	4.40	10.42	32.70
Module Builder-2nd	4R-38 (325)	MFWD 190	34,700	200	10	0.218	5.96	8.54	1.89	1.47	17.87	4.40	10.42	32.70
Module Builder-2nd	4R2x1 255	MFWD 190	34,700	200	10	0.145	3.99	5.70	1.26	0.98	11.95	2.94	6.96	21.86
Module Builder-2nd	5R-30 (255)	MFWD 190	34,700	200	10	0.221	6.06	8.67	1.92	1.49	18.16	4.47	10.58	33.22
Module Builder-2nd	5R-38 (255)	MFWD 190	34,700	200	10	0.175	4.79	6.86	1.52	1.18	14.37	3.54	8.37	26.28
Module Builder-2nd	6R-30 (325)	MFWD 190	34,700	200	10	0.184	5.05	7.23	1.60	1.24	15.13	3.72	8.82	27.69
Module Builder-2nd	6R-38 (325)	MFWD 190	34,700	200	10	0.145	3.99	5.70	1.26	0.98	11.95	2.94	6.96	21.86
Module Builder-Strip	13' Bcast	MFWD 150	34,700	200	10	0.251	6.88	7.77	2.18	1.24	18.09	5.08	8.46	31.63
Module Builder-Strip	16' Bcast	MFWD 150	34,700	200	10	0.204	5.59	6.31	1.77	1.01	14.69	4.12	6.88	25.70
Module Builder-Strip	19' Brush	MFWD 150	34,700	200	10	0.172	4.71	5.32	1.49	0.85	12.37	3.47	5.79	21.64
Module Builder-Strip	4R-30	MFWD 150	34,700	200	10	0.327	8.95	10.11	2.84	1.61	23.51	6.60	11.00	41.13
Module Builder-Strip	4R-30 2X1	MFWD 150	34,700	200	10	0.218	5.96	6.74	1.89	1.07	15.67	4.40	7.33	27.41
Module Builder-Strip	4R-38	MFWD 150	34,700	200	10	0.257	7.04	7.96	2.23	1.27	18.51	5.20	8.66	32.38
Module Builder-Strip	4R-38 2X1	MFWD 150	34,700	200	10	0.172	4.71	5.32	1.49	0.85	12.37	3.47	5.79	21.64
Module Builder-Strip	5R-30	MFWD 150	34,700	200	10	0.261	7.16	8.08	2.27	1.29	18.81	5.28	8.80	32.90
Module Builder-Strip	5R-38	MFWD 150	34,700	200	10	0.207	5.66	6.39	1.79	1.02	14.88	4.17	6.96	26.03
Module Builder-Strip	6R-30	MFWD 150	34,700	200	10	0.218	5.96	6.74	1.89	1.07	15.67	4.40	7.33	27.41
NT Grain Drill	12'	2WD 130	50,200	150	8	0.163	4.47	4.38	3.08	0.60	12.53	6.72	4.09	23.36
NT Grain Drill & Pre	15'	MFWD 150	68,700	150	8	0.141	3.85	4.35	3.63	0.69	12.54	7.93	4.74	25.21
NT Grain Drill & Pre	20'	MFWD 170	86,500	150	8	0.105	2.89	3.70	3.43	0.61	10.63	7.49	4.34	22.47
NT Grain Drill & Pre	24'	MFWD 190	116,600	150	8	0.088	2.40	3.44	3.85	0.59	10.30	8.41	4.20	22.92
NT Grain Drill & Pre	30'	MFWD 225	115,500	150	8	0.070	1.92	3.26	3.05	0.60	8.85	6.66	4.30	19.82
NT Plant&Pre-Folding	8R-38	MFWD 170	67,800	150	8	0.083	2.28	2.92	2.12	0.48	7.82	4.64	3.43	15.90
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	107,000	150	8	0.055	1.52	1.94	2.23	0.32	6.02	4.87	2.28	13.19
NT Plant&Pre-Folding	10R-30	MFWD 190	57,555	150	8	0.084	2.31	3.31	1.82	0.57	8.02	3.98	4.03	16.04
NT Plant&Pre-Folding	10R-38	MFWD 190	52,893	150	8	0.066	1.82	2.61	1.32	0.45	6.20	2.88	3.18	12.28
NT Plant&Pre-Folding	12R-20	MFWD 190	82,800	150	8	0.105	2.89	4.13	3.28	0.71	11.02	7.16	5.04	23.24
NT Plant&Pre-Folding	12R-30	MFWD 190	101,000	150	8	0.070	1.92	2.75	2.67	0.47	7.83	5.83	3.36	17.02
NT Plant&Pre-Folding	12R-38	MFWD 190	111,800	150	8	0.055	1.52	2.17	2.33	0.37	6.40	5.09	2.65	14.16
NT Plant&Pre-Folding	16R-30	MFWD 190	149,400	150	8	0.052	1.44	2.06	2.96	0.35	6.83	6.46	2.52	15.82
NT Plant&Pre-Folding	23R-15	MFWD 190	203,900	150	8	0.073	2.00	2.87	5.61	0.49	10.99	12.26	3.50	26.75
NT Plant&Pre-Folding	24R-20	MFWD 190	238,100	150	8	0.052	1.44	2.06	4.72	0.35	8.59	10.30	2.52	21.42
NT Plant&Pre-Folding	24R-30	MFWD 190	224,900	150	8	0.035	0.96	1.37	2.97	0.23	5.55	6.49	1.68	13.72
NT Plant&Pre-Rigid	4R-30	2WD 130	37,700	150	8	0.211	5.78	5.66	2.99	0.77	15.21	6.52	5.29	27.03
NT Plant&Pre-Rigid	4R-38	2WD 130	34,500	150	8	0.166	4.55	4.45	2.15	0.61	11.77	4.70	4.16	20.65
NT Plant&Pre-Rigid	6R-30	MFWD 150	47,400	150	8	0.141	3.85	4.35	2.50	0.69	11.41	5.47	4.74	21.62
NT Plant&Pre-Rigid	6R-38	MFWD 150	47,500	150	8	0.111	3.04	3.43	1.98	0.54	9.01	4.32	3.74	17.08
NT Plant&Pre-Rigid	8R-22	MFWD 170	26,219	150	8	0.143	3.93	5.03	1.41	0.83	11.22	3.08	5.91	20.22
NT Plant&Pre-Rigid	8R-30	MFWD 170	60,300	150	8	0.105	2.89	3.70	2.39	0.61	9.60	5.22	4.34	19.16
NT Plant&Pre-Rigid	8R-38	MFWD 170	56,200	150	8	0.077	2.11	2.70	1.62	0.44	6.88	3.55	3.17	13.60
NT Plant&Pre-Rigid	10R-30	MFWD 190	51,900	150	8	0.084	2.31	3.31	1.64	0.57	7.84	3.59	4.03	15.47
NT Plant&Pre-Rigid	12R-20	MFWD 190	66,600	150	8	0.105	2.89	4.13	2.64	0.71	10.38	5.76	5.04	21.20
NT Plant&Pre-Rigid	12R-30	MFWD 190	86,600	150	8	0.070	1.92	2.75	2.28	0.47	7.45	4.99	3.36	15.81
NT Plant-Folding	8R-38	MFWD 170	72,900	150	8	0.077	2.12	2.71	2.12	0.45	7.41	4.63	3.19	15.23
NT Plant-Folding	8R-38 2x1	MFWD 170	102,200	150	8	0.051	1.41	1.80	1.98	0.30	5.50	4.32	2.12	11.95
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	2.14	3.07	1.53	0.53	7.28	3.34	3.75	14.38
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.69	2.42	1.10	0.41	5.64	2.41	2.95	11.01
NT Plant-Folding	12R-20	MFWD 190	77,500	150	8	0.098	2.68	3.84	2.85	0.66	10.04	6.23	4.68	20.96
NT Plant-Folding	12R-30	MFWD 190	91,300	150	8	0.065	1.79	2.56	2.24	0.44	7.03	4.89	3.12	15.05
NT Plant-Folding	12R-38	MFWD 190	102,300	150	8	0.051	1.41	2.02	1.98	0.34	5.76	4.32	2.46	12.56
NT Plant-Folding	16R-30	MFWD 190	139,000	150	8	0.049	1.34	1.92	2.55	0.33	6.15	5.58	2.34	14.08
NT Plant-Folding	23R-15	MFWD 190	193,000	150	8	0.0								

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2023.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---		Total Direct	--Fixed--		Total Cost
									Imp.	P.U.		Imp.	P.U.	
			dollars	hours	years	hr/ac	-----\$/acre-----							
NT Plant-Rigid	4R-30	2WD 130	31,900	150	8	0.196	5.37	5.25	2.34	0.72	13.69	5.12	4.91	23.74
NT Plant-Rigid	4R-38	2WD 130	29,500	150	8	0.154	4.22	4.13	1.71	0.56	10.64	3.73	3.87	18.25
NT Plant-Rigid	6R-30	MFWD 150	41,600	150	8	0.130	3.58	4.04	2.04	0.64	10.31	4.45	4.40	19.17
Plant & Pre Rigid	6R-38	MFWD 150	41,400	150	8	0.106	2.92	3.30	1.65	0.52	8.41	3.62	3.59	15.62
Plant & Pre Rigid	8R-22	MFWD 170	23,550	150	8	0.138	3.77	4.83	1.22	0.80	10.63	2.66	5.67	18.97
Plant & Pre Rigid	8R-30	MFWD 170	52,200	150	8	0.101	2.77	3.55	1.98	0.59	8.90	4.33	4.17	17.42
Plant & Pre Rigid	8R-38	MFWD 170	48,000	150	8	0.080	2.19	2.80	1.44	0.46	6.91	3.15	3.29	13.36
Plant & Pre Rigid	10R-30	MFWD 190	46,000	150	8	0.081	2.22	3.17	1.40	0.54	7.34	3.05	3.87	14.28
Plant & Pre Rigid	12R-20	MFWD 190	60,800	150	8	0.101	2.77	3.97	2.31	0.68	9.74	5.05	4.84	19.64
Plant & Pre Rigid	12R-30	MFWD 190	74,400	150	8	0.067	1.85	2.64	1.88	0.45	6.84	4.12	3.23	14.19
Plant - Folding	8R-38	MFWD 170	64,700	150	8	0.074	2.03	2.60	1.80	0.43	6.88	3.94	3.06	13.89
Plant - Folding	8R-38 2x1	MFWD 170	89,800	150	8	0.049	1.35	1.73	1.67	0.28	5.05	3.64	2.03	10.74
Plant - Folding	10R-30	MFWD 190	47,426	150	8	0.075	2.06	2.95	1.34	0.50	6.86	2.92	3.60	13.39
Plant - Folding	10R-38	MFWD 190	43,011	150	8	0.059	1.62	2.32	0.95	0.40	5.31	2.09	2.83	10.24
Plant - Folding	12R-20	MFWD 190	65,200	150	8	0.094	2.57	3.68	2.30	0.63	9.20	5.03	4.50	18.74
Plant - Folding	12R-30	MFWD 190	79,000	150	8	0.062	1.71	2.45	1.86	0.42	6.46	4.06	3.00	13.52
Plant - Folding	12R-38	MFWD 190	89,800	150	8	0.049	1.35	1.94	1.67	0.33	5.30	3.64	2.36	11.32
Plant - Folding	16R-30	MFWD 190	123,000	150	8	0.047	1.28	1.84	2.17	0.31	5.62	4.74	2.25	12.62
Plant - Folding	23R-15	MFWD 190	170,000	150	8	0.065	1.79	2.56	4.17	0.44	8.96	9.11	3.12	21.20
Plant - Folding	24R-20	MFWD 190	204,000	150	8	0.047	1.28	1.84	3.60	0.31	7.05	7.87	2.25	17.18
Plant - Folding	24R-30	MFWD 190	284,000	150	8	0.031	0.85	1.22	3.34	0.21	5.64	7.30	1.50	14.45
Plant - Rigid	4R-30	2WD 130	27,900	150	8	0.188	5.15	5.04	1.97	0.69	12.86	4.30	4.71	21.89
Plant - Rigid	4R-38	2WD 130	25,400	150	8	0.148	4.05	3.97	1.41	0.54	9.99	3.08	3.71	16.79
Plant - Rigid	6R-30	MFWD 150	35,500	150	8	0.125	3.43	3.88	1.67	0.62	9.61	3.65	4.22	17.49
Plant - Rigid	6R-38	MFWD 150	35,700	150	8	0.099	2.71	3.06	1.32	0.49	7.59	2.90	3.33	13.83
Plant - Rigid	8R-22	MFWD 170	18,473	150	8	0.127	3.49	4.47	0.88	0.74	9.60	1.93	5.25	16.79
Plant - Rigid	8R-30	MFWD 170	46,500	150	8	0.094	2.57	3.30	1.64	0.54	8.06	3.58	3.87	15.53
Plant - Rigid	8R-38	MFWD 170	42,300	150	8	0.074	2.03	2.60	1.18	0.43	6.26	2.58	3.06	11.90
Plant - Rigid	10R-30	MFWD 190	40,700	150	8	0.075	2.06	2.95	1.15	0.50	6.67	2.51	3.60	12.78
Plant - Rigid	12R-20	MFWD 190	55,000	150	8	0.094	2.57	3.68	1.94	0.63	8.84	4.24	4.50	17.59
Plant - Rigid	12R-30	MFWD 190	64,600	150	8	0.062	1.71	2.45	1.52	0.42	6.12	3.32	3.00	12.44
Plant - Rigid	15R-15	2WD 150	64,600	150	8	0.094	2.57	2.91	2.28	0.38	8.16	4.98	2.63	15.77
Pull Levee (1m/80a)	4 blade	2WD 50	3,180	100	10	0.003	0.04	0.03	0.00	0.00	0.09	0.01	0.02	0.12
Rice Grain Cart	500 Bu	MFWD 190	34,100	200	12	0.057	0.78	2.23	0.52	0.38	3.92	1.05	2.72	7.70
Rice Grain Cart	700 Bu	MFWD 190	51,600	200	12	0.063	0.86	2.48	0.88	0.42	4.66	1.77	3.02	9.46
Roller	32'	MFWD 170	22,800	100	12	0.046	0.63	1.63	0.17	0.27	2.71	1.15	1.91	5.79
Rotary Cutter	7'	MFWD 130	4,500	185	10	0.168	2.30	4.50	0.61	0.70	8.12	0.49	4.77	13.39
Rotary Cutter	12'	2WD 150	20,200	185	10	0.098	1.34	3.03	1.60	0.40	6.38	1.28	2.74	10.41
Rotary Cutter	15'	MFWD 150	28,700	185	10	0.078	1.07	2.42	1.82	0.38	5.71	1.46	2.64	9.82
Row Cond & Inc	13'	2WD 130	18,700	100	10	0.137	2.82	3.69	0.64	0.50	7.67	3.09	3.45	14.21
Row Cond & Inc	21'	2WD 170	26,900	100	10	0.085	1.75	2.98	0.57	0.44	5.75	2.75	3.13	11.64
Row Cond & Inc	26'	MFWD 190	29,300	100	10	0.063	1.30	2.48	0.46	0.42	4.67	2.22	3.02	9.92
Row Cond & Inc	38'	MFWD 225	40,100	100	10	0.047	0.96	2.18	0.47	0.40	4.03	2.26	2.87	9.18
Row Cond & Inc	42'	MFWD 225	20,400	100	10	0.040	0.82	1.86	0.20	0.34	3.23	0.98	2.45	6.67
Row Cond (Harrow)	13'	2WD 130	7,300	100	10	0.114	1.57	3.07	0.20	0.42	5.27	1.00	2.87	9.15
Row Cond (Harrow)	21'	2WD 170	12,000	100	10	0.071	0.97	2.48	0.21	0.36	4.04	1.02	2.60	7.67
Row Cond (Harrow)	27'	MFWD 190	12,400	100	10	0.057	0.78	2.24	0.17	0.38	3.59	0.85	2.74	7.19
Row Cond (Harrow)	38'	MFWD 225	22,200	100	10	0.039	0.53	1.82	0.21	0.33	2.91	1.04	2.39	6.35
Row Cond (Harrow)	42'	MFWD 225	15,582	100	10	0.035	0.48	1.64	0.13	0.30	2.57	0.66	2.16	5.41
Row Cond (Plant)	13'	2WD 130	7,120	100	10	0.157	2.14	4.20	0.27	0.57	7.21	1.34	3.93	12.48
Row Cond (Plant)	21'	2WD 170	11,700	100	10	0.097	1.33	3.40	0.28	0.50	5.52	1.36	3.56	10.45
Row Cond (Plant)	27'	MFWD 190	12,400	100	10	0.078	1.07	3.07	0.24	0.53	4.92	1.16	3.75	9.84
Row Cond (Plant)	38'	MFWD 225	16,587	100	10	0.053	0.73	2.49	0.22	0.46	3.91	1.06	3.27	8.26
Row Cond (Plant)	42'	MFWD 225	15,582	100	10	0.048	0.66	2.25	0.18	0.41	3.52	0.90	2.96	7.40
RT Cult (Early)	8R-30	2WD 170	20,774	200	12	0.103	1.40	3.60	1.02	0.53	6.58	1.19	3.78	11.55
RT Cult (Early)	12R-30	2WD 190	29,998	200	12	0.068	0.93	2.68	0.98	0.30	4.92	1.14	2.17	8.24
RT Cult (Late)	8R-30	2WD 170	20,774	200	12	0.128	1.76	4.51	1.28	0.66	8.22	1.48	4.72	14.44
RT Cult (Late)	12R-30	2WD 190	29,998	200	12	0.085	1.17	3.36	1.23	0.38	6.15	1.43	2.71	10.30
RT Cult + PD (Early)	8R-30	2WD 150	20,774	200	12	0.110	2.25	3.39	1.09	0.45	7.19	1.27	3.07	11.54
RT Cult + PD (Early)	12R-30	MFWD 225	29,998	200	12	0.073	1.50	3.39	1.05	0.63	6.58	1.22	4.47	12.28
RT Cult + PD (Late)	8R-30	2WD 170	26,264	200	12	0.137	2.81	4.81	1.73	0.71	10.07	2.00	5.04	17.12
RT Cult + PD (Late)	12R-30	2WD 190	35,493	200	12	0.091	1.87	3.58	1.55	0.40	7.43	1.80	2.89	12.13
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.15	1.64	0.34	0.28	3.42	0.77	2.00	6.21
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.15	1.64	0.34	0.28	3.42	0.77	2.00	6.21
Spray (Band)	27'	MFWD 170	7,400	200	8	0.062	1.28	2.19	0.21	0.36	4.06	0.29	2.57	6.93
Spray (Band)	40'	MFWD 170	10,200	200	8	0.042	0.86	1.48	0.20	0.24	2.79	0.27	1.73	4.81
Spray (Band)	50'	MFWD 170	10,100	200	8	0.033	0.69	1.18	0.16	0.19	2.23	0.21	1.39	3.84
Spray (Band)	53'	MFWD 170	9,940	200	8	0.031	0.65	1.11	0.14	0.18	2.10	0.20	1.31	3.62
Spray (Band)	60'	MFWD 170	13,200	200	8	0.028	0.57	0.98	0.17	0.16	1.90	0.23	1.15	3.30
Spray (Bcast/HB)	13' Rigid	MFWD 150	8,700	200	8	0.130	2.66	4.02	0.53	0.64	7.86	0.72	4.37	12.96
Spray (Bcast/HB)	20' Rigid	2WD 50	10,000	200	8	0.084	1.73	0.87	0.39	0.08	3.08	0.54	0.55	4.18
Spray (Bcast/HB)	27' Fold	MFWD 170	16,200	200	8	0.062	1.28	2.19	0.47	0.36	4.31	0.64	2.57	7.54
Spray (Bcast/HB)	27' Rigid	MFWD 170	14,800	200	8	0.062	1.28	2.19	0.43	0.36	4.27	0.59	2.57	7.44
Spray (Bcast/HB)	30' Fold	MFWD 170	19,900	200	8	0.056	1.15	1.97	0.52	0.32	3.98	0.71	2.31	7.02
Spray (Bcast/HB)	40' Fold	MFWD 170	21,500	200	8	0.042	0.86	1.48	0.42	0.24	3.02	0.58	1.73	5.34
Spray (Bcast/HB/HD)	27'	MFWD 170	22,400	200	8	0.062	1.28	2.19	0.65	0.36	4.50	0.89	2.57	7.97
Spray (Bcast/HB/HD)	40'	MFWD 170	32,200	200	8	0.042	0.86	1.48	0.63	0.24	3.23	0.86	1.73	5.84
Spray (Broadcast)	27'	MFWD 170	7,400	200	8	0.062	1.28	2.19	0.21	0.36	4.06	0.29	2.57	6.93
Spray (Broadcast)	40'	MFWD 170	10,200	200	8	0.042	0.86	1.48	0.20	0.24	2.79	0.27	1.73	4.81
Spray (Broadcast)	50'	MFWD 170	10,100	200	8	0.033	0.69	1.18	0.16	0.19	2.23	0.21	1.39	3.84
Spray (Broadcast)	53'	MFWD 170	9,940	200	8	0.031	0.65	1.11	0.14	0.18	2.10	0.20	1.31	3.62
Spray (Broadcast)	60'	MFWD 170	16,700	200	8	0.028	0.57	0.98	0.22	0.16	1.95	0.30	1.15	3.41
Spray (Direct/Hood)	8R-30	MFWD 170	20,700	200	8	0.084	1.73	2.96	0.82	0.49	6.00	1.11	3.47	10.60
Spray (Direct/Hood)	8R-38	MFWD 170	21,500	200	8	0.066	1.37	2.34	0.67	0.38	4.77	0.91	2.74	8.44

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate, (Continued) and direct and fixed cost per acre, Louisiana 2023.

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