Projected Costs and Returns Crop Enterprise Budgets for Soybean Production in Louisiana, 2024

Michael A. Deliberto and Brian M. Hilbun

Farm Management Research & Extension
Department of Agricultural Economics & Agribusiness
Louisiana State University Agricultural Center
Agricultural Economics Information Report Series No. 375 - January 2024

January 2024 Agricultural Economics Information Report Series No. 375

PROJECTED COSTS AND RETURNS CROP ENTERPRISE BUDGETS FOR SOYBEAN PRODUCTION IN LOUISIANA, 2024

by

Michael A. Deliberto and Brian M. Hilbun

Department of Agricultural Economics & Agribusiness
Louisiana State University Agricultural Center
www.lsuagcenter.com

TABLE OF CONTENTS

PAGE

Introduction ……………………… 1

Procedure ……………………… 1
Expected Crop Yields and Market Prices ……………………… 2
Direct Production Costs ……………………… 2
Farm Machinery Costs ……………………… 2
Overhead Costs ……………………… 3
Land and Management Charges ……………………… 3
Acknowledgements……………………… 3
Internet Access ……………………… 3

SOYBEAN ENTERPRISE BUDGETS:

Table
1 Soybeans, RR, 8-row equipment, stale seedbed, non-irrigated, alluvial soils, Northeast Louisiana, 2024 ……………………… 4

2 Soybeans, RR, 8-row equipment, stale seedbed, irrigated, alluvial soils, Northeast Louisiana, 2024 ……………………… 7

3 Soybeans, RR, 8-row equipment, stale seedbed, irrigated, Macon Ridge, Northeast Louisiana, 2024 ……………………… 10

4 Soybeans, RR, 12-row equipment, 20-inch rows, non-irrigated, alluvial soils, Northeast Louisiana, 2024 ……………………… 13

5 Soybeans, RR, 12-row equipment, 20-inch rows, irrigated, alluvial soils, Northeast Louisiana, 2024 ……………………… 16

6 Soybeans, RR, drill planted, conventional tillage, in rotation, Southwest Louisiana, 2024 ……………………… 19

7 Soybeans, RR, 12-row equipment, stale seedbed, non-irrigated, alluvial soils, Northeast Louisiana, 2024 ……………………… 22

8 Soybeans, RR, 12-row equipment, stale seedbed, irrigated, alluvial soils, Northeast Louisiana, 2024 ……………………… 25

9 Soybeans, RR, 12-row equipment, stale seedbed, irrigated, Macon Ridge, Northeast Louisiana, 2024 ……………………… 28

10 Soybeans, RR, 12-row equipment, 38-inch rows, non-irrigated, alluvial soils, Northeast Louisiana, 2024 ……………………… 31

11 Soybeans, RR, 12-row equipment, 38-inch rows, irrigated, alluvial soils, Northeast Louisiana, 2024 ……………………… 34

Appendices ……………………… 37

App. Table
1 Est. Costs Per Acre, Poly Pipe, 160 acres, 10.5” in three applications, LA 2024…. 37
2 Est. Costs Per Acre, Center Pivot, ¼ Mile, 7.5” in three applications, LA 2024..... 37
3 Operating inputs, estimated prices, Louisiana, 2024 ……………………… 38
4 Tractors, performance rates and costs, Louisiana, 2024 ……………………… 45
5 Self-propelled machines, performance rates and costs, Louisiana, 2024 ………… 46
6 Implements, performance rates and costs, Louisiana, 2024 ……………………… 47

PROJECTED COSTS AND RETURNS CROP ENTERPRISE BUDGETS FOR SOYBEAN PRODUCTION IN LOUISIANA, 2024

by

Michael A. Deliberto and Brian M. Hilbun [1]
[1] 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 2024 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 2024 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 2024 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 $14.53 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 $17.94 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 8.25% per year. Operating capital was assumed to be borrowed in a manner consistent with timely acquisition of inputs. Fuel price for diesel was $3.50 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 8.50%. The reasoning behind the difference in short and intermediate term rates is that longer term nominal rates are highly variable and closely follow the trend set by the rate of inflation. Intermediate term interest rates above the real rate of interest can overstate true interest costs because they overlook the value gained by an asset due solely to inflation.

Farm Machinery Costs

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

Overhead Costs

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

Land and Management Charges

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

Acknowledgments

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

Internet Access

This publication, along with projected costs and returns reports for other major agricultural crop commodities produced in Louisiana, as well as other farm management publications, are available on the Internet on the LSU AgCenter web page under the "*Extension and Outreach*" section of the Department of Agricultural Economics and Agribusiness web page. These projected costs and returns reports are also available on the LSU Ag Center crop commodities web pages. The web address for the LSU AgCenter is: *www.lsuagcenter.com*

Table 1.A Estimated costs per Acre
Soybeans, RR, 8-row equipment, stale seedbed, non-irrigated, alluvial soils, Northeast Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	3.0000	24.33	_________
App by Air (3 gal)	appl	6.87	5.0000	34.35	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	_________
LA Potash	lb	0.43	50.0000	21.50	_________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	_________
Stratego	pt	22.50	0.6250	14.06	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	2.0000	6.40	_________
Dual II Magnum	pt	13.25	1.0000	13.25	_________
Flexstar HL	pt	9.75	1.0000	9.75	_________
INSECTICIDES					
Brigade EC	pt	20.27	0.7500	15.20	_________
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	1.12	50.0000	56.00	_________
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	65.00	0.3300	21.45	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_________
OPERATOR LABOR					
Harvesters	hour	17.94	0.0851	1.53	_________
LA Hired Labor					
Implements	hour	14.53	0.1345	1.95	_________
Tractors	hour	14.53	0.4272	6.21	_________
DIESEL FUEL					
Tractors	gal	3.50	4.0612	14.22	_________
Harvesters	gal	3.50	1.2047	4.22	_________
REPAIR & MAINTENANCE					
Implements	Acre	7.23	1.0000	7.23	_________
Tractors	Acre	3.12	1.0000	3.12	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
INTEREST ON OP. CAP.	Acre	12.97	1.0000	12.97	_________

TOTAL DIRECT EXPENSES				438.36	_________
FIXED EXPENSES					
Implements	Acre	16.17	1.0000	16.17	_________
Tractors	Acre	24.10	1.0000	24.10	_________
Harvesters	Acre	19.66	1.0000	19.66	_________

TOTAL FIXED EXPENSES				59.93	_________

TOTAL SPECIFIED EXPENSES				498.29	_________

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, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Oct	3.26	4.62	1.53	2.14	0.11	1.69				13.24
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Lime (Spread)	ton			0.33	Oct							0.3300	65.00	21.45	21.45
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.52	5.24	1.46	3.85	0.07	1.02				15.09
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.03	2.89	0.06	0.19	0.04	0.71				5.88
Disk Bed (Hipper)Fld	8R-38	MFWD 190	0.074	1.00	Oct	3.11	4.41	0.85	2.80	0.07	1.08				12.25
Ditcher		2WD 130	0.020	1.00	Oct	0.55	0.63	0.07	0.12	0.02	0.29				1.66
App by Air (5 gal)	appl			1.00	Mar							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	8R-38	MFWD 170	0.074	1.00	May	2.75	3.62	1.95	4.70	0.14	2.16				15.18
Soybean Seed RR	lb											50.0000	1.12	56.00	56.00
Ditcher		2WD 130	0.020	1.00	May	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.57	2.06	0.21	0.31	0.06	0.92				5.07
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	13.25	13.25	13.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	9.75	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Quadris	oz											6.0000	6.25	37.50	37.50
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	22.50	14.06	14.06
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
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	8.33	19.66	1.03	1.94	0.08	1.53				32.49
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						25.67	43.76	7.23	16.17	0.64	9.69			382.80	485.32
INTEREST ON OPERATING CAPITAL															12.97
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															498.29

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, 2024.

			BREAKEVEN PRICE										
Soybeans			6.58	7.03	7.55	8.16	8.88	9.74	10.79	12.10	13.79	16.05	19.20
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-284	-273	-262	-248	-232	-213	-189	-159	-121	-71	0
			-343	-333	-322	-308	-292	-272	-249	-219	-181	-130	-59
60	27.00	bu	-255	-243	-229	-213	-193	-170	-142	-106	-60	0	85
			-315	-303	-289	-272	-253	-230	-201	-166	-120	-59	25
70	31.50	bu	-227	-213	-196	-177	-154	-127	-94	-53	0	71	170
			-287	-272	-256	-237	-214	-187	-154	-113	-59	11	110
80	36.00	bu	-198	-182	-163	-142	-116	-85	-47	0	60	142	255
			-258	-242	-223	-201	-176	-145	-107	-59	0	82	195
90	40.50	bu	-170	-152	-131	-106	-77	-42	0	53	121	213	340
			-230	-212	-191	-166	-137	-102	-59	-6	61	153	280
100	45.00	bu	-142	-121	-98	-71	-38	0	47	106	182	284	426
			-201	-181	-158	-130	-98	-59	-12	46	122	224	366
110	49.50	bu	-113	-91	-65	-35	0	42	94	159	243	355	511
			-173	-151	-125	-95	-59	-17	34	99	183	295	451
120	54.00	bu	-85	-60	-32	0	38	85	142	213	304	426	596
			-145	-120	-92	-59	-21	25	82	153	244	366	536
130	58.50	bu	-56	-30	0	35	77	127	189	266	365	497	681
			-116	-90	-59	-24	17	67	129	206	305	437	621
140	63.00	bu	-28	0	32	71	116	170	236	319	426	568	766
			-88	-59	-27	11	56	110	176	259	366	508	706
150	67.50	bu	0	30	65	106	154	213	284	372	486	639	852
			-59	-29	5	46	94	153	224	312	426	579	792

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, 2024.

			BREAKEVEN PRICE										
Soybeans			7.47	7.98	8.58	9.27	10.09	11.07	12.27	13.77	15.70	18.27	21.87
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-264	-252	-239	-223	-205	-183	-156	-122	-78	-21	59
			-323	-312	-299	-283	-265	-242	-215	-182	-138	-80	0
60	27.00	bu	-231	-217	-201	-183	-160	-134	-102	-61	-9	59	157
			-291	-277	-261	-242	-220	-194	-161	-121	-69	0	97
70	31.50	bu	-199	-183	-164	-142	-116	-85	-48	-0	59	140	254
			-259	-242	-224	-202	-176	-145	-107	-60	0	80	194
80	36.00	bu	-166	-148	-126	-102	-72	-37	5	59	129	221	351
			-226	-208	-186	-161	-132	-97	-53	0	69	161	291
90	40.50	bu	-134	-113	-89	-61	-28	11	59	120	198	302	448
			-194	-173	-149	-121	-88	-48	0	60	138	242	388
100	45.00	bu	-102	-78	-52	-21	15	59	113	181	268	383	545
			-161	-138	-112	-80	-44	0	53	121	208	323	485
110	49.50	bu	-69	-44	-14	19	59	108	167	242	337	464	643
			-129	-104	-74	-40	0	48	107	182	277	404	583
120	54.00	bu	-37	-9	22	59	104	157	221	302	407	545	740
			-97	-69	-37	0	44	97	161	242	347	485	680
130	58.50	bu	-4	25	59	100	148	205	275	363	476	626	837
			-64	-34	0	40	88	145	215	303	416	566	777
140	63.00	bu	27	59	97	140	192	254	329	424	545	707	934
			-32	0	37	80	132	194	269	364	485	647	874
150	67.50	bu	59	94	134	181	236	302	383	485	615	788	1031
			0	34	74	121	176	242	323	425	555	728	971

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, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	2.0000	16.22	________
App by Air (3 gal)	appl	6.87	6.0000	41.22	________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	________
LA Potash	lb	0.43	50.0000	21.50	________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	________
Stratego	pt	22.50	0.6250	14.06	________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	________
2,4-D Amine 4	pt	2.88	1.0000	2.88	________
Valor WP	oz	3.20	2.0000	6.40	________
Dual II Magnum	pt	13.25	1.0000	13.25	________
Flexstar HL	pt	9.75	1.0000	9.75	________
INSECTICIDES					
Brigade EC	pt	20.27	0.7500	15.20	________
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	1.12	50.0000	56.00	________
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	65.00	0.3300	21.45	________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	________
OPERATOR LABOR					
Harvesters	hour	17.94	0.0851	1.53	________
IRRIGATION LABOR					
Implements	hour	14.53	0.0062	0.09	________
LA Hired Labor					
Implements	hour	14.53	0.1345	1.95	________
Tractors	hour	14.53	0.7203	10.48	________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	________
DIESEL FUEL					
Tractors	gal	3.50	6.8886	24.12	________
Harvesters	gal	3.50	1.2047	4.22	________
Roll-Out Pipe Irr.	gal	3.50	4.8877	17.10	________
REPAIR & MAINTENANCE					
Implements	Acre	7.48	1.0000	7.48	________
Tractors	Acre	5.33	1.0000	5.33	________
Harvesters	Acre	4.11	1.0000	4.11	________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	________
INTEREST ON OP. CAP.	Acre	14.32	1.0000	14.32	________

TOTAL DIRECT EXPENSES				490.44	________
FIXED EXPENSES					
Implements	Acre	17.10	1.0000	17.10	________
Tractors	Acre	41.18	1.0000	41.18	________
Harvesters	Acre	19.66	1.0000	19.66	________
Roll-Out Pipe Irr.	Acre	68.61	1.0000	68.61	________

TOTAL FIXED EXPENSES				146.55	________

TOTAL SPECIFIED EXPENSES				636.99	________

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, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Lime (Spread)	ton			0.33	Oct							0.3300	65.00	21.45	21.45
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Oct	3.26	4.62	1.53	2.14	0.11	1.69				13.24
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.52	5.24	1.46	3.85	0.07	1.02				15.09
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.03	2.89	0.06	0.19	0.04	0.71				5.88
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct	3.11	4.41	0.67	2.21	0.07	1.08				11.48
Ditcher		2WD 130	0.020	1.00	Oct	0.55	0.63	0.07	0.12	0.02	0.29				1.66
App by Air (5 gal)	appl			1.00	Mar							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	8R-38	MFWD 170	0.074	1.00	May	2.75	3.62	1.95	4.70	0.14	2.16				15.18
Soybean Seed RR	lb											50.0000	1.12	56.00	56.00
Ditcher		2WD 130	0.020	1.00	May	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.57	2.06	0.21	0.31	0.06	0.92				5.07
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	13.25	13.25	13.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	9.75	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Quadris	oz											6.0000	6.25	37.50	37.50
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	22.50	14.06	14.06
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (3 gal)	appl			1.00	Sep							1.0000	6.87	6.87	6.87
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	8.33	19.66	1.03	1.94	0.08	1.53				32.49
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	12.11	17.08	22.89	70.13	0.44	6.53	1.0000		7.92	136.66
TOTALS						37.78	60.84	29.94	85.71	1.09	16.22			392.18	622.67
INTEREST ON OPERATING CAPITAL															14.32
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															636.99

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, 2024.

			BREAKEVEN PRICE										
Soybeans			6.03	6.44	6.92	7.47	8.13	8.91	9.87	11.07	12.62	14.67	17.56
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-316	-305	-292	-277	-259	-237	-211	-178	-135	-79	0
			-463	-452	-439	-423	-405	-384	-357	-324	-282	-225	-146
60	33.00	bu	-285	-271	-255	-237	-216	-190	-158	-118	-67	0	95
			-431	-418	-402	-384	-362	-336	-305	-265	-214	-146	-51
70	38.50	bu	-253	-237	-219	-198	-172	-142	-105	-59	0	79	190
			-400	-384	-365	-344	-319	-289	-252	-205	-146	-67	43
80	44.00	bu	-221	-203	-182	-158	-129	-95	-52	0	67	158	285
			-368	-350	-329	-305	-276	-241	-199	-146	-78	11	138
90	49.50	bu	-190	-169	-146	-118	-86	-47	0	59	135	237	380
			-336	-316	-292	-265	-232	-194	-146	-87	-10	91	233
100	55.00	bu	-158	-135	-109	-79	-43	0	52	118	203	316	475
			-305	-282	-256	-225	-189	-146	-93	-27	57	170	328
110	60.50	bu	-126	-101	-73	-39	0	47	105	178	271	396	570
			-273	-248	-219	-186	-146	-99	-40	31	125	249	423
120	66.00	bu	-95	-67	-36	0	43	95	158	237	339	475	665
			-241	-214	-183	-146	-103	-51	11	91	193	328	518
130	71.50	bu	-63	-33	0	39	86	142	211	297	407	554	760
			-209	-180	-146	-106	-60	-3	64	150	260	408	614
140	77.00	bu	-31	0	36	79	129	190	264	356	475	633	855
			-178	-146	-109	-67	-16	43	117	209	328	487	709
150	82.50	bu	0	33	73	118	172	237	316	415	543	713	950
			-146	-112	-73	-27	26	91	170	269	396	566	804

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, 2024.

			BREAKEVEN PRICE										
Soybeans			7.81	8.35	8.97	9.69	10.55	11.58	12.83	14.40	16.42	19.12	22.88
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-268	-253	-236	-216	-192	-164	-129	-86	-31	42	146
			-414	-399	-382	-362	-339	-310	-276	-233	-177	-103	0
60	33.00	bu	-226	-208	-188	-164	-136	-102	-60	-8	57	146	270
			-373	-355	-334	-310	-282	-248	-207	-155	-88	0	124
70	38.50	bu	-185	-164	-140	-112	-79	-40	8	68	146	250	395
			-331	-310	-287	-259	-226	-186	-138	-77	0	103	248
80	44.00	bu	-143	-119	-92	-60	-23	22	77	146	235	353	519
			-290	-266	-239	-207	-169	-124	-69	0	88	207	373
90	49.50	bu	-102	-75	-44	-8	33	84	146	224	324	457	644
			-248	-222	-191	-155	-113	-62	0	77	177	310	497
100	55.00	bu	-60	-31	3	42	90	146	215	302	413	561	768
			-207	-177	-143	-103	-56	0	69	155	266	414	621
110	60.50	bu	-19	13	50	94	146	208	284	379	501	664	892
			-165	-133	-95	-51	0	62	138	233	355	518	746
120	66.00	bu	22	57	98	146	203	270	353	457	590	768	1017
			-124	-88	-47	0	56	124	207	310	444	621	870
130	71.50	bu	63	102	146	198	259	333	422	535	679	872	1141
			-82	-44	0	51	113	186	276	388	533	725	995
140	77.00	bu	105	146	194	250	316	395	492	613	768	975	1266
			-41	0	47	103	169	248	345	466	621	829	1119
150	82.50	bu	146	190	242	302	372	457	561	690	857	1079	1390
			0	44	95	155	226	310	414	544	710	932	1243

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, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	2.0000	16.22	_________
App by Air (3 gal)	appl	6.87	6.0000	41.22	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	_________
LA Potash	lb	0.43	50.0000	21.50	_________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	_________
Stratego	pt	22.50	0.6250	14.06	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	2.0000	6.40	_________
Dual II Magnum	pt	13.25	1.0000	13.25	_________
Flexstar HL	pt	9.75	1.0000	9.75	_________
INSECTICIDES					
Brigade EC	pt	20.27	0.7500	15.20	_________
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	1.12	50.0000	56.00	_________
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	17.94	0.0851	1.53	_________
IRRIGATION LABOR					
Implements	hour	14.53	0.0062	0.09	_________
LA Hired Labor					
Implements	hour	14.53	0.1345	1.95	_________
Tractors	hour	14.53	0.7203	10.48	_________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	_________
DIESEL FUEL					
Tractors	gal	3.50	6.8886	24.12	_________
Harvesters	gal	3.50	1.2047	4.22	_________
Roll-Out Pipe Irr.	gal	3.50	4.8877	17.10	_________
REPAIR & MAINTENANCE					
Implements	Acre	7.90	1.0000	7.90	_________
Tractors	Acre	5.33	1.0000	5.33	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_________
INTEREST ON OP. CAP.	Acre	14.03	1.0000	14.03	_________

TOTAL DIRECT EXPENSES				467.77	_________
FIXED EXPENSES					
Implements	Acre	18.05	1.0000	18.05	_________
Tractors	Acre	41.18	1.0000	41.18	_________
Harvesters	Acre	19.66	1.0000	19.66	_________
Roll-Out Pipe Irr.	Acre	68.61	1.0000	68.61	_________

TOTAL FIXED EXPENSES				147.50	_________

TOTAL SPECIFIED EXPENSES				615.27	_________

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, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Oct	3.26	4.62	1.53	2.14	0.11	1.69				13.24
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.52	5.24	1.46	3.85	0.07	1.02				15.09
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.03	2.89	0.06	0.19	0.04	0.71				5.88
Disk Bed (Hipper)Fld	8R-38	MFWD 190	0.074	1.00	Oct	3.11	4.41	0.85	2.80	0.07	1.08				12.25
Ditcher		2WD 130	0.020	1.00	Oct	0.55	0.63	0.07	0.12	0.02	0.29				1.66
App by Air (5 gal)	appl			1.00	Mar							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	8R-38	MFWD 170	0.074	1.00	May	2.75	3.62	1.95	4.70	0.14	2.16				15.18
Soybean Seed RR	lb											50.0000	1.12	56.00	56.00
Ditcher		2WD 130	0.020	1.00	May	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.57	2.06	0.45	0.67	0.06	0.92				5.67
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	13.25	13.25	13.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	9.75	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Quadris	oz											6.0000	6.25	37.50	37.50
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	22.50	14.06	14.06
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (3 gal)	appl			1.00	Sep							1.0000	6.87	6.87	6.87
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	8.33	19.66	1.03	1.94	0.08	1.53				32.49
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	12.11	17.08	22.89	70.13	0.44	6.53	1.0000		7.92	136.66
TOTALS						37.78	60.84	30.36	86.66	1.09	16.22			369.38	601.24
INTEREST ON OPERATING CAPITAL															14.03
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															615.27

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, 2024.

			BREAKEVEN PRICE										
Soybeans			6.32	6.76	7.25	7.84	8.52	9.35	10.36	11.62	13.24	15.40	18.43
PERCENT	YIELD	UNIT	dollars										
50	25.00	bu	-302	-291	-279	-264	-247	-227	-201	-170	-129	-75	0
			-450	-439	-426	-412	-395	-374	-349	-317	-277	-223	-147
60	30.00	bu	-272	-259	-244	-227	-206	-181	-151	-113	-64	0	90
			-419	-406	-392	-374	-353	-329	-298	-261	-212	-147	-56
70	35.00	bu	-242	-227	-209	-189	-165	-136	-100	-56	0	75	181
			-389	-374	-357	-336	-312	-283	-248	-204	-147	-71	34
80	40.00	bu	-211	-194	-174	-151	-123	-90	-50	0	64	151	272
			-359	-342	-322	-298	-271	-238	-197	-147	-82	3	124
90	45.00	bu	-181	-162	-139	-113	-82	-45	0	56	129	227	363
			-329	-309	-287	-261	-230	-192	-147	-90	-17	79	215
100	50.00	bu	-151	-129	-104	-75	-41	0	50	113	194	302	454
			-298	-277	-252	-223	-188	-147	-97	-33	47	155	306
110	55.00	bu	-121	-97	-69	-37	0	45	100	170	259	378	544
			-268	-244	-217	-185	-147	-102	-46	22	111	230	397
120	60.00	bu	-90	-64	-34	0	41	90	151	227	324	454	635
			-238	-212	-182	-147	-106	-56	3	79	176	306	488
130	65.00	bu	-60	-32	0	37	82	136	201	283	389	529	726
			-208	-179	-147	-109	-64	-11	54	136	241	382	579
140	70.00	bu	-30	0	34	75	123	181	252	340	454	605	817
			-177	-147	-112	-71	-23	34	104	193	306	457	669
150	75.00	bu	0	32	69	113	165	227	302	397	518	681	908
			-147	-115	-77	-33	17	79	155	249	371	533	760

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, 2024.

			BREAKEVEN PRICE										
Soybeans			8.29	8.86	9.52	10.30	11.21	12.30	13.64	15.31	17.46	20.32	24.33
PERCENT	YIELD	UNIT	dollars										
50	25.00	bu	-253	-239	-222	-203	-180	-153	-119	-78	-24	47	147
			-401	-386	-370	-350	-328	-300	-267	-225	-171	-100	0
60	30.00	bu	-213	-196	-176	-153	-125	-93	-53	-2	61	147	267
			-360	-343	-323	-300	-273	-240	-200	-150	-85	0	120
70	35.00	bu	-173	-153	-130	-103	-71	-32	13	72	147	247	388
			-320	-300	-277	-250	-218	-180	-133	-75	0	100	240
80	40.00	bu	-133	-110	-83	-53	-16	27	80	147	233	348	508
			-280	-257	-231	-200	-164	-120	-66	0	85	200	360
90	45.00	bu	-93	-67	-37	-2	38	87	147	222	319	448	628
			-240	-214	-185	-150	-109	-60	0	75	171	300	481
100	50.00	bu	-53	-24	8	47	92	147	214	297	405	548	749
			-200	-171	-138	-100	-54	0	66	150	257	401	601
110	55.00	bu	-12	18	54	97	147	207	281	373	491	648	869
			-160	-128	-92	-50	0	60	133	225	343	501	721
120	60.00	bu	27	61	101	147	202	267	348	448	577	749	989
			-120	-85	-46	0	54	120	200	300	429	601	842
130	65.00	bu	67	104	147	197	256	327	414	523	663	849	1110
			-80	-42	0	50	109	180	267	375	515	701	962
140	70.00	bu	107	147	193	247	311	388	481	598	749	949	1230
			-40	0	46	100	164	240	334	451	601	802	1082
150	75.00	bu	147	190	240	297	366	448	548	673	835	1049	1350
			0	42	92	150	218	300	401	526	687	902	1203

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, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	3.0000	24.33	_________
App by Air (3 gal)	appl	6.87	5.0000	34.35	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	_________
LA Potash	lb	0.43	50.0000	21.50	_________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	_________
Stratego	pt	22.50	0.6250	14.06	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	2.0000	6.40	_________
Dual II Magnum	pt	13.25	1.0000	13.25	_________
Flexstar HL	pt	9.75	1.0000	9.75	_________
INSECTICIDES					
Brigade EC	pt	20.27	0.7500	15.20	_________
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	1.12	50.0000	56.00	_________
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	65.00	0.3300	21.45	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_________
OPERATOR LABOR					
Harvesters	hour	17.94	0.0851	1.53	_________
LA Hired Labor					
Implements	hour	14.53	0.1586	2.31	_________
Tractors	hour	14.53	0.3542	5.15	_________
DIESEL FUEL					
Tractors	gal	3.50	3.4392	12.04	_________
Harvesters	gal	3.50	1.2047	4.22	_________
REPAIR & MAINTENANCE					
Implements	Acre	6.68	1.0000	6.68	_________
Tractors	Acre	2.68	1.0000	2.68	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
INTEREST ON OP. CAP.	Acre	13.02	1.0000	13.02	_________

TOTAL DIRECT EXPENSES				434.54	_________
FIXED EXPENSES					
Implements	Acre	15.56	1.0000	15.56	_________
Tractors	Acre	20.69	1.0000	20.69	_________
Harvesters	Acre	19.66	1.0000	19.66	_________

TOTAL FIXED EXPENSES				55.91	_________

TOTAL SPECIFIED EXPENSES				490.45	_________

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, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	Oct	3.94	5.87	1.60	2.25	0.11	1.71				15.37
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Lime (Spread)	ton			0.33	Oct							0.3300	65.00	21.45	21.45
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	1.96	2.77	0.72	3.79	0.04	0.68				9.92
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.03	2.89	0.06	0.19	0.04	0.71				5.88
Ditcher		2WD 130	0.020	1.00	Oct	0.55	0.63	0.07	0.12	0.02	0.29				1.66
App by Air (5 gal)	appl			1.00	Mar							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											2.0000	3.20	6.40	6.40
NT Plant-Rigid	12R-20	MFWD 190	0.098	1.00	May	4.12	5.84	2.68	6.48	0.19	2.86				21.98
Soybean Seed RR	lb											50.0000	1.12	56.00	56.00
Ditcher		2WD 130	0.020	1.00	May	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.57	2.06	0.45	0.67	0.06	0.92				5.67
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	13.25	13.25	13.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	9.75	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Quadris	oz											6.0000	6.25	37.50	37.50
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	22.50	14.06	14.06
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
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	8.33	19.66	1.03	1.94	0.08	1.53				32.49
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						23.05	40.35	6.68	15.56	0.59	8.99			382.80	477.43
INTEREST ON OPERATING CAPITAL															13.02
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															490.45

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, 2024.

			BREAKEVEN PRICE										
Soybeans			6.52	6.97	7.49	8.09	8.80	9.65	10.69	12.00	13.67	15.91	19.03
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-281	-271	-259	-246	-230	-211	-187	-158	-120	-70	0
			-337	-327	-315	-302	-286	-267	-243	-214	-176	-126	-55
60	27.00	bu	-253	-241	-227	-211	-191	-168	-140	-105	-60	0	84
			-309	-297	-283	-267	-247	-224	-196	-161	-116	-55	28
70	31.50	bu	-225	-211	-194	-175	-153	-126	-93	-52	0	70	168
			-281	-267	-250	-231	-209	-182	-149	-108	-55	14	112
80	36.00	bu	-197	-180	-162	-140	-115	-84	-46	0	60	140	253
			-252	-236	-218	-196	-171	-140	-102	-55	4	84	197
90	40.50	bu	-168	-150	-129	-105	-76	-42	0	52	120	211	337
			-224	-206	-185	-161	-132	-98	-55	-3	64	155	281
100	45.00	bu	-140	-120	-97	-70	-38	0	46	105	180	281	422
			-196	-176	-153	-126	-94	-55	-8	49	125	225	366
110	49.50	bu	-112	-90	-64	-35	0	42	93	158	241	351	506
			-168	-146	-120	-91	-55	-13	37	102	185	295	450
120	54.00	bu	-84	-60	-32	0	38	84	140	211	301	422	591
			-140	-116	-88	-55	-17	28	84	155	245	366	535
130	58.50	bu	-56	-30	0	35	76	126	187	263	361	492	675
			-112	-86	-55	-20	20	70	131	207	305	436	619
140	63.00	bu	-28	0	32	70	115	168	234	316	422	562	759
			-84	-55	-23	14	59	112	178	260	366	507	704
150	67.50	bu	0	30	64	105	153	211	281	369	482	633	844
			-55	-25	9	49	97	155	225	313	426	577	788

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, 2024.

			BREAKEVEN PRICE										
Soybeans			7.35	7.86	8.44	9.12	9.93	10.89	12.07	13.55	15.45	17.98	21.52
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-262	-251	-238	-222	-204	-183	-156	-123	-80	-23	55
			-318	-307	-294	-278	-260	-239	-212	-179	-136	-79	0
60	27.00	bu	-230	-217	-201	-183	-161	-135	-103	-63	-12	55	151
			-286	-273	-257	-239	-217	-191	-159	-119	-68	0	95
70	31.50	bu	-199	-183	-164	-143	-117	-87	-50	-3	55	135	247
			-255	-239	-220	-199	-173	-143	-106	-59	0	79	191
80	36.00	bu	-167	-149	-127	-103	-74	-39	2	55	124	215	342
			-223	-204	-183	-159	-130	-95	-53	0	68	159	286
90	40.50	bu	-135	-114	-91	-63	-31	8	55	115	192	294	438
			-191	-170	-147	-119	-86	-47	0	59	136	239	382
100	45.00	bu	-103	-80	-54	-23	12	55	109	175	260	374	534
			-159	-136	-110	-79	-43	0	53	119	204	318	478
110	49.50	bu	-71	-46	-17	16	55	103	162	235	329	454	629
			-127	-102	-73	-39	0	47	106	179	273	398	573
120	54.00	bu	-39	-12	19	55	99	151	215	294	397	534	725
			-95	-68	-36	0	43	95	159	239	341	478	669
130	58.50	bu	-7	21	55	95	142	199	268	354	465	613	820
			-63	-34	0	39	86	143	212	298	409	557	765
140	63.00	bu	24	55	92	135	186	247	321	414	534	693	916
			-31	0	36	79	130	191	265	358	478	637	860
150	67.50	bu	55	90	129	175	229	294	374	474	602	773	1012
			0	34	73	119	173	239	318	418	546	717	956

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, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	3.0000	24.33	_________
App by Air (3 gal)	appl	6.87	5.0000	34.35	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	_________
LA Potash	lb	0.43	50.0000	21.50	_________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	_________
Stratego	pt	22.50	0.6250	14.06	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	2.0000	6.40	_________
Dual II Magnum	pt	13.25	1.0000	13.25	_________
Flexstar HL	pt	9.75	1.0000	9.75	_________
INSECTICIDES					
Brigade EC	pt	20.27	0.7500	15.20	_________
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	1.12	50.0000	56.00	_________
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	65.00	0.3300	21.45	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	_________
OPERATOR LABOR					
Harvesters	hour	17.94	0.0851	1.53	_________
IRRIGATION LABOR					
Implements	hour	14.53	0.0062	0.09	_________
LA Hired Labor					
Implements	hour	14.53	0.1586	2.31	_________
Tractors	hour	14.53	0.6473	9.42	_________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	_________
DIESEL FUEL					
Tractors	gal	3.50	6.2667	21.94	_________
Harvesters	gal	3.50	1.2047	4.22	_________
Roll-Out Pipe Irr.	gal	3.50	4.8877	17.10	_________
REPAIR & MAINTENANCE					
Implements	Acre	7.04	1.0000	7.04	_________
Tractors	Acre	4.89	1.0000	4.89	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_________
INTEREST ON OP. CAP.	Acre	14.40	1.0000	14.40	_________

TOTAL DIRECT EXPENSES				488.00	_________
FIXED EXPENSES					
Implements	Acre	17.13	1.0000	17.13	_________
Tractors	Acre	37.77	1.0000	37.77	_________
Harvesters	Acre	19.66	1.0000	19.66	_________
Roll-Out Pipe Irr.	Acre	68.61	1.0000	68.61	_________

TOTAL FIXED EXPENSES				143.17	_________

TOTAL SPECIFIED EXPENSES				631.17	_________

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, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Fert Appl (Liquid)	12R-30	MFWD 225	0.078	1.00	Oct	3.94	5.87	1.60	2.25	0.11	1.71				15.37
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Lime (Spread)	ton			0.33	Oct							0.3300	65.00	21.45	21.45
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	1.96	2.77	0.72	3.79	0.04	0.68				9.92
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.03	2.89	0.06	0.19	0.04	0.71				5.88
Ditcher		2WD 130	0.020	1.00	Oct	0.55	0.63	0.07	0.12	0.02	0.29				1.66
App by Air (5 gal)	appl			1.00	Mar							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											2.0000	3.20	6.40	6.40
NT Plant-Folding	12R-20	MFWD 190	0.098	1.00	May	4.12	5.84	2.85	6.89	0.19	2.86				22.56
Soybean Seed RR	lb											50.0000	1.12	56.00	56.00
Ditcher		2WD 130	0.020	1.00	May	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.57	2.06	0.21	0.31	0.06	0.92				5.07
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	13.25	13.25	13.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	9.75	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Quadris	oz											6.0000	6.25	37.50	37.50
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	22.50	14.06	14.06
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
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	8.33	19.66	1.03	1.94	0.08	1.53				32.49
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	12.11	17.08	22.89	70.13	0.44	6.53	1.0000		7.92	136.66
TOTALS						35.16	57.43	29.50	85.74	1.04	15.52			393.42	616.77
INTEREST ON OPERATING CAPITAL															14.40
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															631.17

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, 2024.

			BREAKEVEN PRICE										
Soybeans			6.00	6.41	6.88	7.43	8.09	8.87	9.82	11.02	12.55	14.60	17.47
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-315	-304	-291	-275	-257	-236	-210	-177	-135	-78	0
			-458	-447	-434	-419	-401	-379	-353	-320	-278	-221	-143
60	33.00	bu	-283	-270	-254	-236	-214	-189	-157	-118	-67	0	94
			-426	-413	-397	-379	-358	-332	-300	-261	-210	-143	-48
70	38.50	bu	-252	-236	-218	-197	-171	-141	-105	-59	0	78	189
			-395	-379	-361	-340	-315	-285	-248	-202	-143	-64	46
80	44.00	bu	-220	-202	-181	-157	-128	-94	-52	0	67	157	283
			-363	-345	-325	-300	-272	-237	-195	-143	-75	14	140
90	49.50	bu	-189	-168	-145	-118	-85	-47	0	59	135	236	378
			-332	-312	-288	-261	-229	-190	-143	-84	-8	93	235
100	55.00	bu	-157	-135	-109	-78	-42	0	52	118	202	315	472
			-300	-278	-252	-221	-186	-143	-90	-24	59	172	329
110	60.50	bu	-126	-101	-72	-39	0	47	105	177	270	394	567
			-269	-244	-215	-182	-143	-95	-38	34	127	250	424
120	66.00	bu	-94	-67	-36	0	42	94	157	236	337	472	662
			-237	-210	-179	-143	-100	-48	14	93	194	329	518
130	71.50	bu	-63	-33	0	39	85	141	210	295	405	551	756
			-206	-176	-143	-103	-57	-1	67	152	262	408	613
140	77.00	bu	-31	0	36	78	128	189	262	354	472	630	851
			-174	-143	-106	-64	-14	46	119	211	329	487	708
150	82.50	bu	0	33	72	118	171	236	315	413	540	709	945
			-143	-109	-70	-24	28	93	172	270	397	566	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 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, 2024.

			BREAKEVEN PRICE										
Soybeans			7.74	8.27	8.89	9.60	10.45	11.47	12.72	14.27	16.27	18.94	22.67
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-267	-252	-235	-216	-192	-164	-130	-87	-32	40	143
			-410	-396	-379	-359	-336	-308	-273	-231	-176	-102	0
60	33.00	bu	-226	-208	-188	-164	-136	-103	-62	-10	55	143	266
			-369	-352	-331	-308	-280	-246	-205	-154	-88	0	123
70	38.50	bu	-185	-164	-141	-113	-80	-41	6	66	143	245	389
			-328	-308	-284	-256	-224	-184	-136	-77	0	102	246
80	44.00	bu	-144	-120	-93	-62	-24	19	74	143	231	348	512
			-287	-264	-236	-205	-168	-123	-68	0	88	205	369
90	49.50	bu	-103	-76	-46	-10	31	81	143	220	319	451	636
			-246	-220	-189	-154	-112	-61	0	77	176	308	492
100	55.00	bu	-62	-32	0	40	87	143	211	297	407	553	759
			-205	-176	-142	-102	-56	0	68	154	264	410	616
110	60.50	bu	-21	11	48	91	143	204	280	374	495	656	882
			-164	-132	-94	-51	0	61	136	231	352	513	739
120	66.00	bu	19	55	95	143	199	266	348	451	583	759	1005
			-123	-88	-47	0	56	123	205	308	440	616	862
130	71.50	bu	61	99	143	194	255	328	417	528	671	861	1128
			-82	-44	0	51	112	184	273	385	528	718	985
140	77.00	bu	102	143	190	245	311	389	485	605	759	964	1252
			-41	0	47	102	168	246	342	462	616	821	1109
150	82.50	bu	143	187	237	297	367	451	553	682	847	1067	1375
			0	44	94	154	224	308	410	539	704	924	1232

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, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	3.0000	24.33	_________
LARice GPS Charge-SW	acre	0.35	3.0000	1.05	_________
App by Air (3 gal)	appl	6.87	4.0000	27.48	_________
HARVEST AIDS					
Gramoxone Max	pt	5.28	1.0000	5.28	_________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	_________
LA Potash	lb	0.43	50.0000	21.50	_________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	_________
Stratego	pt	22.50	0.6250	14.06	_________
HERBICIDES					
Roundup Ultra MAX	pt	5.97	3.5000	20.90	_________
Classic	oz	16.67	0.2500	4.17	_________
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	1.12	75.0000	84.00	_________
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	14.53	0.0942	1.37	_________
LA OPERATOR LABOR					
Self-Propelled	hour	17.94	0.2310	4.15	_________
LA Hired Labor					
Tractors	hour	14.53	0.3772	5.47	_________
LA Other Labor					
Special Labor	hour	14.53	0.1250	1.82	_________
DIESEL FUEL					
Tractors	gal	3.50	3.3869	11.86	_________
Self-Propelled	gal	3.50	1.4915	5.22	_________
REPAIR & MAINTENANCE					
Implements	acre	5.77	1.0000	5.77	_________
Tractors	acre	2.32	1.0000	2.32	_________
Self-Propelled	acre	9.24	1.0000	9.24	_________
INTEREST ON OP. CAP.	acre	13.84	1.0000	13.84	_________

TOTAL DIRECT EXPENSES				421.58	_________
FIXED EXPENSES					
Implements	acre	16.33	1.0000	16.33	_________
Tractors	acre	17.52	1.0000	17.52	_________
Self-Propelled	acre	16.83	1.0000	16.83	_________

TOTAL FIXED EXPENSES				50.68	_________

TOTAL SPECIFIED EXPENSES				472.26	_________

Table 6.B Estimated resource use and costs for field operations, per acre,
Soybeans, RR, drill planted, conventional tillage,in rotation,
Southwest Louisiana, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Disk Harrow	32'	Track 300	0.061	1.00	Nov	3.95	4.88	1.52	4.03	0.06	0.89				15.27
LARice Land Level	13 ft	MFWD 150	0.190	0.20	Nov	1.23	1.52	0.03	0.17	0.03	0.55				3.50
Ditcher		MFWD 150	0.020	1.00	Nov	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Disk Harrow	32'	MFWD 150	0.061	1.00	Mar	1.99	2.46	1.52	4.03	0.06	0.89				10.89
Custom Spread(Truc	appl			1.00	Mar							1.0000	5.00	5.00	5.00
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Field Cultivate	24'	MFWD 150	0.062	1.00	Mar	2.01	2.49	0.60	3.17	0.06	0.90				9.17
Ditcher		MFWD 150	0.020	1.00	Apr	0.65	0.80	0.07	0.12	0.02	0.29				1.93
Grain Drill	20'	MFWD 150	0.094	1.00	May	3.05	3.77	1.89	4.57	0.18	2.74				16.02
LA Other Labor	hour									0.12	1.82				1.82
Soybean Seed RR	lb											75.0000	1.12	84.00	84.00
Ditcher		MFWD 150	0.020	1.00	May	0.65	0.80	0.07	0.12	0.02	0.29				1.93
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Roundup Ultra MAX	pt											2.0000	5.97	11.94	11.94
Classic	oz											0.2500	16.67	4.17	4.17
Surfactant	pt											0.2000	3.30	0.66	0.66
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup Ultra MAX	pt											1.5000	5.97	8.96	8.96
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Dimilin 2L	oz											2.0000	1.63	3.26	3.26
Quadris	oz											6.0000	6.25	37.50	37.50
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (5 gal)	appl			1.00	Aug							1.0000	8.11	8.11	8.11
Methyl Parathion	pt											1.0000	5.79	5.79	5.79
LARice GPS Charge-SW	acre											1.0000	0.35	0.35	0.35
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Sep							1.0000	6.87	6.87	6.87
Stratego	pt											0.6250	22.50	14.06	14.06
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (5 gal)	appl			1.00	Sep								8.11		
Gramoxone Max	pt											1.0000	5.28	5.28	5.28
Surfactant	pt											0.3000	3.30	0.99	0.99
LARice Combine Med	20 ft		0.210	1.00	Oct	14.46	16.83			0.23	4.15				35.44
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						28.64	34.35	5.77	16.33	0.82	12.81			360.52	458.42
INTEREST ON OPERATING CAPITAL															13.84
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															472.26

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, 2024.

			BREAKEVEN PRICE										
LA Soybeans			8.12	8.68	9.32	10.08	10.97	12.04	13.35	14.98	17.09	19.89	23.81
PERCENT	YIELD	UNIT	dollars										
50	17.50	bu	-274	-264	-253	-240	-224	-206	-183	-154	-117	-68	0
			-325	-315	-304	-291	-275	-256	-233	-205	-168	-119	-50
60	21.00	bu	-247	-235	-221	-206	-187	-164	-137	-103	-58	0	82
			-297	-286	-272	-256	-237	-215	-188	-153	-109	-50	31
70	24.50	bu	-219	-206	-190	-171	-149	-123	-91	-51	0	68	164
			-270	-256	-240	-222	-200	-174	-142	-102	-50	17	114
80	28.00	bu	-192	-176	-158	-137	-112	-82	-45	0	58	137	247
			-242	-227	-209	-188	-163	-133	-96	-50	8	86	196
90	31.50	bu	-164	-147	-126	-103	-74	-41	0	51	117	206	329
			-215	-197	-177	-153	-125	-91	-50	0	67	155	278
100	35.00	bu	-137	-117	-95	-68	-37	0	45	103	176	274	412
			-188	-168	-145	-119	-88	-50	-4	52	125	224	361
110	38.50	bu	-109	-88	-63	-34	0	41	91	154	235	343	494
			-160	-138	-114	-85	-50	-9	40	103	184	292	443
120	42.00	bu	-82	-58	-31	0	37	82	137	206	294	412	576
			-133	-109	-82	-50	-13	31	86	155	243	361	526
130	45.50	bu	-54	-29	0	34	74	123	183	257	353	480	659
			-105	-80	-50	-16	24	72	132	206	302	430	608
140	49.00	bu	-27	0	31	68	112	164	228	309	412	549	741
			-78	-50	-18	17	61	114	178	258	361	498	691
150	52.50	bu	0	29	63	103	149	206	274	360	470	618	824
			-50	-21	12	52	99	155	224	309	420	567	773

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

Table 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, 2024.

			BREAKEVEN PRICE										
LA Soybeans			9.08	9.71	10.44	11.28	12.29	13.49	14.96	16.79	19.15	22.30	26.71
PERCENT	YIELD	UNIT	dollars										
50	17.50	bu	-257	-246	-234	-219	-201	-180	-154	-122	-81	-26	50
			-308	-297	-284	-269	-252	-231	-205	-173	-132	-77	0
60	21.00	bu	-226	-213	-198	-180	-159	-134	-103	-65	-15	50	143
			-277	-264	-249	-231	-210	-185	-154	-115	-66	0	92
70	24.50	bu	-196	-180	-162	-142	-117	-88	-52	-7	50	127	235
			-246	-231	-213	-192	-168	-138	-102	-57	0	77	185
80	28.00	bu	-165	-147	-127	-103	-75	-41	-0	50	116	204	328
			-215	-198	-177	-154	-126	-92	-51	0	66	154	277
90	31.50	bu	-134	-114	-91	-65	-33	4	50	108	182	282	420
			-185	-165	-142	-115	-84	-46	0	57	132	231	370
100	35.00	bu	-103	-81	-56	-26	8	50	102	166	249	359	513
			-154	-132	-106	-77	-42	0	51	115	198	308	462
110	38.50	bu	-72	-48	-20	12	50	96	153	224	315	436	605
			-123	-99	-71	-38	0	46	102	173	264	385	555
120	42.00	bu	-41	-15	15	50	92	143	204	282	381	513	698
			-92	-66	-35	0	42	92	154	231	330	462	647
130	45.50	bu	-11	17	50	89	134	189	256	339	447	590	791
			-61	-33	0	38	84	138	205	289	396	539	740
140	49.00	bu	19	50	86	127	176	235	307	397	513	667	883
			-30	0	35	77	126	185	257	347	462	617	832
150	52.50	bu	50	83	121	166	218	282	359	455	579	744	976
			0	33	71	115	168	231	308	404	528	694	925

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, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	3.0000	24.33	_________
App by Air (3 gal)	appl	6.87	5.0000	34.35	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	_________
LA Potash	lb	0.43	50.0000	21.50	_________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	_________
Stratego	pt	22.50	0.6250	14.06	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	2.0000	6.40	_________
Dual II Magnum	pt	13.25	1.0000	13.25	_________
Flexstar HL	pt	9.75	1.0000	9.75	_________
INSECTICIDES					
Brigade EC	pt	20.27	0.7500	15.20	_________
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	1.12	50.0000	56.00	_________
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	65.00	0.3300	21.45	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_________
OPERATOR LABOR					
Harvesters	hour	17.94	0.0851	1.53	_________
LA Hired Labor					
Implements	hour	14.53	0.0966	1.41	_________
Tractors	hour	14.53	0.3516	5.11	_________
DIESEL FUEL					
Tractors	gal	3.50	3.5802	12.54	_________
Harvesters	gal	3.50	1.2047	4.22	_________
REPAIR & MAINTENANCE					
Implements	Acre	7.18	1.0000	7.18	_________
Tractors	Acre	2.84	1.0000	2.84	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
INTEREST ON OP. CAP.	Acre	12.87	1.0000	12.87	_________

TOTAL DIRECT EXPENSES				434.61	_________
FIXED EXPENSES					
Implements	Acre	17.01	1.0000	17.01	_________
Tractors	Acre	21.94	1.0000	21.94	_________
Harvesters	Acre	19.66	1.0000	19.66	_________

TOTAL FIXED EXPENSES				58.61	_________

TOTAL SPECIFIED EXPENSES				493.22	_________

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, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.60	3.86	1.07	1.50	0.07	1.13				10.16
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Lime (Spread)	ton			0.33	Oct							0.3300	65.00	21.45	21.45
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.52	5.24	1.46	3.85	0.07	1.02				15.09
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.03	2.89	0.06	0.19	0.04	0.71				5.88
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.48	3.68	1.41	4.65	0.04	0.72				12.94
Ditcher		2WD 130	0.020	1.00	Oct	0.55	0.63	0.07	0.12	0.02	0.29				1.66
App by Air (5 gal)	appl			1.00	Mar							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	12R-38	MFWD 190	0.049	1.00	May	2.08	2.95	1.80	4.33	0.09	1.44				12.60
Soybean Seed RR	lb											50.0000	1.12	56.00	56.00
Ditcher		2WD 130	0.020	1.00	May	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.57	2.06	0.21	0.31	0.06	0.92				5.07
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	13.25	13.25	13.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	9.75	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Quadris	oz											6.0000	6.25	37.50	37.50
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	22.50	14.06	14.06
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
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	8.33	19.66	1.03	1.94	0.08	1.53				32.49
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						23.71	41.60	7.18	17.01	0.53	8.05			382.80	480.35
INTEREST ON OPERATING CAPITAL															12.87
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															493.22

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, 2024.

			BREAKEVEN PRICE										
Soybeans			6.52	6.97	7.49	8.09	8.80	9.65	10.70	12.00	13.67	15.91	19.04
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-281	-271	-259	-246	-230	-211	-187	-158	-120	-70	0
			-340	-330	-318	-304	-288	-269	-246	-216	-179	-128	-58
60	27.00	bu	-253	-241	-227	-211	-191	-168	-140	-105	-60	0	84
			-311	-299	-285	-269	-250	-227	-199	-164	-118	-58	25
70	31.50	bu	-225	-211	-194	-175	-153	-126	-93	-52	0	70	168
			-283	-269	-253	-234	-212	-185	-152	-111	-58	11	110
80	36.00	bu	-197	-180	-162	-140	-115	-84	-46	0	60	140	253
			-255	-239	-221	-199	-173	-143	-105	-58	1	82	194
90	40.50	bu	-168	-150	-129	-105	-76	-42	0	52	120	211	337
			-227	-209	-188	-164	-135	-100	-58	-5	62	152	279
100	45.00	bu	-140	-120	-97	-70	-38	0	46	105	180	281	422
			-199	-179	-156	-128	-97	-58	-11	46	122	222	363
110	49.50	bu	-112	-90	-64	-35	0	42	93	158	241	351	506
			-171	-149	-123	-93	-58	-16	35	99	182	293	448
120	54.00	bu	-84	-60	-32	0	38	84	140	211	301	422	591
			-143	-118	-91	-58	-20	25	82	152	243	363	532
130	58.50	bu	-56	-30	0	35	76	126	187	263	361	492	675
			-114	-88	-58	-23	18	68	129	205	303	434	617
140	63.00	bu	-28	0	32	70	115	168	234	316	422	563	760
			-86	-58	-26	11	56	110	175	258	363	504	701
150	67.50	bu	0	30	64	105	153	211	281	369	482	633	844
			-58	-28	6	46	94	152	222	310	424	574	785

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, 2024.

			BREAKEVEN PRICE										
Soybeans			7.39	7.90	8.49	9.17	9.98	10.96	12.14	13.63	15.54	18.08	21.64
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-261	-250	-237	-221	-203	-181	-155	-121	-78	-21	58
			-320	-309	-295	-280	-262	-240	-213	-180	-137	-80	0
60	27.00	bu	-229	-216	-200	-181	-159	-133	-101	-61	-10	58	154
			-288	-274	-258	-240	-218	-192	-160	-120	-68	0	96
70	31.50	bu	-197	-181	-163	-141	-116	-85	-48	-1	58	138	250
			-256	-240	-221	-200	-174	-144	-106	-60	0	80	192
80	36.00	bu	-165	-147	-126	-101	-72	-37	5	58	127	218	347
			-224	-206	-184	-160	-131	-96	-53	0	68	160	288
90	40.50	bu	-133	-113	-89	-61	-28	10	58	118	196	299	443
			-192	-171	-147	-120	-87	-48	0	60	137	240	384
100	45.00	bu	-101	-78	-52	-21	14	58	112	178	264	379	539
			-160	-137	-110	-80	-43	0	53	120	206	320	480
110	49.50	bu	-69	-44	-15	18	58	106	165	238	333	459	635
			-128	-103	-73	-40	0	48	106	180	274	400	577
120	54.00	bu	-37	-10	21	58	102	154	218	299	402	539	731
			-96	-68	-36	0	43	96	160	240	343	480	673
130	58.50	bu	-5	24	58	98	146	202	272	359	470	619	828
			-64	-34	0	40	87	144	213	300	412	561	769
140	63.00	bu	26	58	95	138	189	250	325	419	539	699	924
			-32	0	36	80	131	192	267	360	480	641	865
150	67.50	bu	58	92	132	178	233	299	379	479	608	779	1020
			0	34	73	120	174	240	320	420	549	721	961

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, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	2.0000	16.22	_________
App by Air (3 gal)	appl	6.87	6.0000	41.22	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	_________
LA Potash	lb	0.43	50.0000	21.50	_________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	_________
Stratego	pt	22.50	0.6250	14.06	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	2.0000	6.40	_________
Dual II Magnum	pt	13.25	1.0000	13.25	_________
Flexstar HL	pt	9.75	1.0000	9.75	_________
INSECTICIDES					
Brigade EC	pt	20.27	0.7500	15.20	_________
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	1.12	50.0000	56.00	_________
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	65.00	0.3300	21.45	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	_________
OPERATOR LABOR					
Harvesters	hour	17.94	0.0851	1.53	_________
IRRIGATION LABOR					
Implements	hour	14.53	0.0062	0.09	_________
LA Hired Labor					
Implements	hour	14.53	0.0966	1.41	_________
Tractors	hour	14.53	0.6447	9.38	_________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	_________
DIESEL FUEL					
Tractors	gal	3.50	6.4077	22.44	_________
Harvesters	gal	3.50	1.2047	4.22	_________
Roll-Out Pipe Irr.	gal	3.50	4.8877	17.10	_________
REPAIR & MAINTENANCE					
Implements	Acre	7.61	1.0000	7.61	_________
Tractors	Acre	5.05	1.0000	5.05	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_________
INTEREST ON OP. CAP.	Acre	14.22	1.0000	14.22	_________

TOTAL DIRECT EXPENSES				486.87	_________
FIXED EXPENSES					
Implements	Acre	18.53	1.0000	18.53	_________
Tractors	Acre	39.02	1.0000	39.02	_________
Harvesters	Acre	19.66	1.0000	19.66	_________
Roll-Out Pipe Irr.	Acre	68.61	1.0000	68.61	_________

TOTAL FIXED EXPENSES				145.82	_________

TOTAL SPECIFIED EXPENSES				632.69	_________

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, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Lime (Spread)	ton			0.33	Oct							0.3300	65.00	21.45	21.45
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.60	3.86	1.07	1.50	0.07	1.13				10.16
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.52	5.24	1.46	3.85	0.07	1.02				15.09
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.03	2.89	0.06	0.19	0.04	0.71				5.88
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.48	3.68	1.41	4.65	0.04	0.72				12.94
Ditcher		2WD 130	0.020	1.00	Oct	0.55	0.63	0.07	0.12	0.02	0.29				1.66
App by Air (5 gal)	appl			1.00	Mar							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	12R-38	MFWD 190	0.049	1.00	May	2.08	2.95	1.80	4.33	0.09	1.44				12.60
Soybean Seed RR	lb											50.0000	1.12	56.00	56.00
Ditcher		2WD 130	0.020	1.00	May	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.57	2.06	0.21	0.31	0.06	0.92				5.07
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	13.25	13.25	13.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	9.75	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Quadris	oz											6.0000	6.25	37.50	37.50
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	22.50	14.06	14.06
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (3 gal)	appl			1.00	Sep							1.0000	6.87	6.87	6.87
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	8.33	19.66	1.03	1.94	0.08	1.53				32.49
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	12.11	17.08	22.89	70.13	0.44	6.53	1.0000		7.92	136.66
TOTALS						35.82	58.68	30.07	87.14	0.98	14.58			392.18	618.47
INTEREST ON OPERATING CAPITAL															14.22
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															632.69

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, 2024.

			BREAKEVEN PRICE										
Soybeans			5.99	6.40	6.87	7.42	8.07	8.85	9.80	10.99	12.52	14.57	17.43
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-314	-303	-290	-275	-257	-235	-209	-176	-134	-78	0
			-460	-449	-436	-421	-403	-381	-355	-322	-280	-224	-145
60	33.00	bu	-283	-269	-254	-235	-214	-188	-157	-117	-67	0	94
			-428	-415	-399	-381	-360	-334	-303	-263	-213	-145	-51
70	38.50	bu	-251	-235	-217	-196	-171	-141	-104	-58	0	78	188
			-397	-381	-363	-342	-317	-287	-250	-204	-145	-67	42
80	44.00	bu	-220	-202	-181	-157	-128	-94	-52	0	67	157	283
			-366	-348	-327	-303	-274	-240	-198	-145	-78	11	137
90	49.50	bu	-188	-168	-145	-117	-85	-47	0	58	134	235	377
			-334	-314	-290	-263	-231	-193	-145	-86	-11	90	231
100	55.00	bu	-157	-134	-108	-78	-42	0	52	117	202	314	471
			-303	-280	-254	-224	-188	-145	-93	-27	56	168	326
110	60.50	bu	-125	-101	-72	-39	0	47	104	176	269	393	566
			-271	-246	-218	-185	-145	-98	-40	31	123	247	420
120	66.00	bu	-94	-67	-36	0	42	94	157	235	337	471	660
			-240	-213	-182	-145	-102	-51	11	90	191	326	514
130	71.50	bu	-62	-33	0	39	85	141	209	294	404	550	754
			-208	-179	-145	-106	-60	-4	63	149	258	404	609
140	77.00	bu	-31	0	36	78	128	188	262	353	471	629	849
			-177	-145	-109	-67	-17	42	116	208	326	483	703
150	82.50	bu	0	33	72	117	171	235	314	412	539	707	943
			-145	-112	-73	-27	25	90	168	267	393	561	797

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, 2024.

			BREAKEVEN PRICE										
Soybeans			7.76	8.29	8.91	9.63	10.48	11.50	12.75	14.31	16.31	18.99	22.73
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-265	-251	-234	-214	-191	-163	-128	-85	-30	42	145
			-411	-397	-380	-360	-336	-308	-274	-231	-176	-102	0
60	33.00	bu	-224	-207	-186	-163	-134	-101	-60	-8	57	145	269
			-370	-352	-332	-308	-280	-247	-205	-154	-88	0	123
70	38.50	bu	-183	-163	-139	-111	-78	-39	8	68	145	248	392
			-329	-308	-285	-257	-224	-185	-137	-77	0	102	247
80	44.00	bu	-142	-118	-91	-60	-22	22	77	145	234	351	516
			-288	-264	-237	-205	-168	-123	-68	0	88	205	370
90	49.50	bu	-101	-74	-44	-8	33	84	145	223	322	454	639
			-247	-220	-190	-154	-112	-61	0	77	176	308	494
100	55.00	bu	-60	-30	3	42	89	145	214	300	410	557	763
			-205	-176	-142	-102	-56	0	68	154	264	411	617
110	60.50	bu	-18	13	50	94	145	207	283	377	498	660	886
			-164	-132	-95	-51	0	61	137	231	352	514	741
120	66.00	bu	22	57	98	145	201	269	351	454	586	763	1010
			-123	-88	-47	0	56	123	205	308	441	617	864
130	71.50	bu	63	101	145	197	258	331	420	531	675	866	1134
			-82	-44	0	51	112	185	274	386	529	720	988
140	77.00	bu	104	145	193	248	314	392	488	609	763	969	1257
			-41	0	47	102	168	247	343	463	617	823	1111
150	82.50	bu	145	189	240	300	370	454	557	686	851	1072	1381
			0	44	95	154	224	308	411	540	705	926	1235

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, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	2.0000	16.22	_________
App by Air (3 gal)	appl	6.87	6.0000	41.22	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	_________
LA Potash	lb	0.43	50.0000	21.50	_________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	_________
Stratego	pt	22.50	0.6250	14.06	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	2.0000	6.40	_________
Dual II Magnum	pt	13.25	1.0000	13.25	_________
Flexstar HL	pt	9.75	1.0000	9.75	_________
INSECTICIDES					
Brigade EC	pt	20.27	0.7500	15.20	_________
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	1.12	50.0000	56.00	_________
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	17.94	0.0851	1.53	_________
IRRIGATION LABOR					
Implements	hour	14.53	0.0062	0.09	_________
LA Hired Labor					
Implements	hour	14.53	0.0966	1.41	_________
Tractors	hour	14.53	0.6447	9.38	_________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	_________
DIESEL FUEL					
Tractors	gal	3.50	6.4077	22.44	_________
Harvesters	gal	3.50	1.2047	4.22	_________
Roll-Out Pipe Irr.	gal	3.50	4.8877	17.10	_________
REPAIR & MAINTENANCE					
Implements	Acre	7.85	1.0000	7.85	_________
Tractors	Acre	5.05	1.0000	5.05	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_________
INTEREST ON OP. CAP.	Acre	13.93	1.0000	13.93	_________

TOTAL DIRECT EXPENSES				464.02	_________
FIXED EXPENSES					
Implements	Acre	18.89	1.0000	18.89	_________
Tractors	Acre	39.02	1.0000	39.02	_________
Harvesters	Acre	19.66	1.0000	19.66	_________
Roll-Out Pipe Irr.	Acre	68.61	1.0000	68.61	_________

TOTAL FIXED EXPENSES				146.18	_________

TOTAL SPECIFIED EXPENSES				610.20	_________

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, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.60	3.86	1.07	1.50	0.07	1.13				10.16
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Disk Harrow	28'	MFWD 225	0.070	1.00	Oct	3.52	5.24	1.46	3.85	0.07	1.02				15.09
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.03	2.89	0.06	0.19	0.04	0.71				5.88
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.48	3.68	1.41	4.65	0.04	0.72				12.94
Ditcher		2WD 130	0.020	1.00	Oct	0.55	0.63	0.07	0.12	0.02	0.29				1.66
App by Air (5 gal)	appl			1.00	Mar							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											2.0000	3.20	6.40	6.40
Plant - Folding	12R-38	MFWD 190	0.049	1.00	May	2.08	2.95	1.80	4.33	0.09	1.44				12.60
Soybean Seed RR	lb											50.0000	1.12	56.00	56.00
Ditcher		2WD 130	0.020	1.00	May	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.57	2.06	0.45	0.67	0.06	0.92				5.67
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	13.25	13.25	13.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	9.75	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Quadris	oz											6.0000	6.25	37.50	37.50
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	22.50	14.06	14.06
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (3 gal)	appl			1.00	Sep							1.0000	6.87	6.87	6.87
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	8.33	19.66	1.03	1.94	0.08	1.53				32.49
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	12.11	17.08	22.89	70.13	0.44	6.53	1.0000		7.92	136.66
						-------	-------	-------	-------	------	-------			-------	--------
TOTALS						35.82	58.68	30.31	87.50	0.98	14.58			369.38	596.27
INTEREST ON OPERATING CAPITAL															13.93
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															610.20

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, 2024.

			BREAKEVEN PRICE									
Soybeans			6.27	6.70	7.20	7.77	8.46	9.28	10.28	11.53	13.14	15.28	18.28
PERCENT	YIELD	UNIT	dollars										
50	25.00	bu	-300	-289	-277	-262	-245	-225	-200	-168	-128	-75	0
			-446	-435	-423	-408	-391	-371	-346	-315	-274	-221	-146
60	30.00	bu	-270	-257	-242	-225	-204	-180	-150	-112	-64	0	90
			-416	-403	-388	-371	-350	-326	-296	-258	-210	-146	-56
70	35.00	bu	-240	-225	-207	-187	-163	-135	-100	-56	0	75	180
			-386	-371	-354	-333	-309	-281	-246	-202	-146	-71	33
80	40.00	bu	-210	-192	-173	-150	-122	-90	-50	0	64	150	270
			-356	-339	-319	-296	-268	-236	-196	-146	-81	3	124
90	45.00	bu	-180	-160	-138	-112	-81	-45	0	56	128	225	360
			-326	-307	-284	-258	-228	-191	-146	-89	-17	78	214
100	50.00	bu	-150	-128	-103	-75	-40	0	50	112	192	300	450
			-296	-274	-250	-221	-187	-146	-96	-33	46	154	304
110	55.00	bu	-120	-96	-69	-37	0	45	100	168	257	375	540
			-266	-242	-215	-183	-146	-101	-46	22	111	229	394
120	60.00	bu	-90	-64	-34	0	40	90	150	225	321	450	630
			-236	-210	-180	-146	-105	-56	3	78	175	304	484
130	65.00	bu	-60	-32	0	37	81	135	200	281	385	525	720
			-206	-178	-146	-108	-64	-11	53	135	239	379	574
140	70.00	bu	-30	0	34	75	122	180	250	337	450	600	810
			-176	-146	-111	-71	-23	33	104	191	304	454	664
150	75.00	bu	0	32	69	112	163	225	300	394	514	675	900
			-146	-114	-76	-33	17	78	154	247	368	529	754

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, 2024.

			BREAKEVEN PRICE									
Soybeans			8.22	8.79	9.45	10.21	11.11	12.20	13.52	15.18	17.31	20.15	24.13
PERCENT	YIELD	UNIT	dollars										
50	25.00	bu	-251	-237	-220	-201	-179	-152	-118	-77	-24	46	146
			-397	-383	-367	-347	-325	-298	-265	-223	-170	-99	0
60	30.00	bu	-211	-194	-175	-152	-124	-92	-52	-2	60	146	265
			-357	-340	-321	-298	-271	-238	-198	-149	-85	0	119
70	35.00	bu	-171	-152	-129	-102	-70	-32	13	71	146	245	384
			-318	-298	-275	-248	-216	-178	-132	-74	0	99	238
80	40.00	bu	-132	-109	-83	-52	-16	26	79	146	231	345	504
			-278	-255	-229	-198	-162	-119	-66	0	85	198	357
90	45.00	bu	-92	-66	-37	-2	37	86	146	220	316	444	623
			-238	-213	-183	-149	-108	-59	0	74	170	298	477
100	50.00	bu	-52	-24	8	46	91	146	212	295	401	543	742
			-198	-170	-137	-99	-54	0	66	149	255	397	596
110	55.00	bu	-12	18	54	96	146	205	278	369	487	643	861
			-159	-127	-91	-49	0	59	132	223	340	497	715
120	60.00	bu	26	60	100	146	200	265	345	444	572	742	981
			-119	-85	-45	0	54	119	198	298	426	596	835
130	65.00	bu	66	103	146	195	254	325	411	518	657	842	1100
			-79	-42	0	49	108	178	265	372	511	695	954
140	70.00	bu	106	146	192	245	308	384	477	593	742	941	1219
			-39	0	45	99	162	238	331	447	596	795	1073
150	75.00	bu	146	188	237	295	363	444	543	668	827	1040	1339
			0	42	91	149	216	298	397	521	681	894	1193

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, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	3.0000	24.33	_________
App by Air (3 gal)	appl	6.87	5.0000	34.35	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	_________
LA Potash	lb	0.43	50.0000	21.50	_________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	_________
Stratego	pt	22.50	0.6250	14.06	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	2.0000	6.40	_________
Dual II Magnum	pt	13.25	1.0000	13.25	_________
Flexstar HL	pt	9.75	1.0000	9.75	_________
INSECTICIDES					
Brigade EC	pt	20.27	0.7500	15.20	_________
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	1.12	50.0000	56.00	_________
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	65.00	0.3300	21.45	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	45.0000	12.15	_________
OPERATOR LABOR					
Harvesters	hour	17.94	0.0851	1.53	_________
LA Hired Labor					
Implements	hour	14.53	0.1124	1.64	_________
Tractors	hour	14.53	0.2946	4.28	_________
DIESEL FUEL					
Tractors	gal	3.50	2.8077	9.84	_________
Harvesters	gal	3.50	1.2047	4.22	_________
REPAIR & MAINTENANCE					
Implements	Acre	5.68	1.0000	5.68	_________
Tractors	Acre	2.16	1.0000	2.16	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
INTEREST ON OP. CAP.	Acre	12.86	1.0000	12.86	_________

TOTAL DIRECT EXPENSES				429.12	_________
FIXED EXPENSES					
Implements	Acre	13.66	1.0000	13.66	_________
Tractors	Acre	16.73	1.0000	16.73	_________
Harvesters	Acre	19.66	1.0000	19.66	_________

TOTAL FIXED EXPENSES				50.05	_________

TOTAL SPECIFIED EXPENSES				479.17	_________

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, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.60	3.86	1.07	1.50	0.07	1.13				10.16
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Lime (Spread)	ton			0.33	Oct							0.3300	65.00	21.45	21.45
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	1.96	2.77	0.72	3.79	0.04	0.68				9.92
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.03	2.89	0.06	0.19	0.04	0.71				5.88
Ditcher		2WD 130	0.020	1.00	Oct	0.55	0.63	0.07	0.12	0.02	0.29				1.66
App by Air (5 gal)	appl			1.00	Mar							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											2.0000	3.20	6.40	6.40
NT Plant-Rigid	12R-30	MFWD 190	0.065	1.00	May	2.74	3.89	2.21	5.33	0.13	1.90				16.07
Soybean Seed RR	lb											50.0000	1.12	56.00	56.00
Ditcher		2WD 130	0.020	1.00	May	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Spray (Bcast/HB)	40' Fold	MFWD 170	0.042	1.00	May	1.57	2.06	0.45	0.67	0.06	0.92				5.67
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	13.25	13.25	13.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	9.75	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Quadris	oz											6.0000	6.25	37.50	37.50
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	22.50	14.06	14.06
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
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	8.33	19.66	1.03	1.94	0.08	1.53				32.49
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						20.33	36.39	5.68	13.66	0.49	7.45			382.80	466.31
INTEREST ON OPERATING CAPITAL															12.86
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															479.17

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, 2024.

			BREAKEVEN PRICE										
Soybeans			6.44	6.88	7.39	7.99	8.69	9.53	10.56	11.85	13.50	15.71	18.79
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-277	-267	-256	-243	-227	-208	-185	-156	-119	-69	0
			-327	-317	-306	-293	-277	-258	-235	-206	-169	-119	-50
60	27.00	bu	-250	-238	-224	-208	-189	-166	-138	-104	-59	0	83
			-300	-288	-274	-258	-239	-216	-188	-154	-109	-50	33
70	31.50	bu	-222	-208	-192	-173	-151	-125	-92	-52	0	69	166
			-272	-258	-242	-223	-201	-175	-142	-102	-50	19	116
80	36.00	bu	-194	-178	-160	-138	-113	-83	-46	0	59	138	250
			-244	-228	-210	-188	-163	-133	-96	-50	9	88	200
90	40.50	bu	-166	-148	-128	-104	-75	-41	0	52	119	208	333
			-216	-198	-178	-154	-125	-91	-50	2	69	158	283
100	45.00	bu	-138	-119	-96	-69	-37	0	46	104	178	277	416
			-188	-169	-146	-119	-87	-50	-3	54	128	227	366
110	49.50	bu	-111	-89	-64	-34	0	41	92	156	238	347	500
			-161	-139	-114	-84	-50	-8	42	106	188	297	450
120	54.00	bu	-83	-59	-32	0	37	83	138	208	297	416	583
			-133	-109	-82	-50	-12	33	88	158	247	366	533
130	58.50	bu	-55	-29	0	34	75	125	185	260	357	486	666
			-105	-79	-50	-15	25	74	135	210	307	436	616
140	63.00	bu	-27	0	32	69	113	166	231	312	416	555	750
			-77	-50	-17	19	63	116	181	262	366	505	700
150	67.50	bu	0	29	64	104	151	208	277	364	476	625	833
			-50	-20	14	54	101	158	227	314	426	575	783

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, 2024.

			BREAKEVEN PRICE										
Soybeans			7.19	7.68	8.25	8.91	9.70	10.64	11.80	13.24	15.09	17.56	21.02
PERCENT	YIELD	UNIT	dollars										
50	22.50	bu	-261	-250	-237	-222	-204	-183	-157	-125	-83	-27	50
			-311	-300	-287	-272	-254	-233	-207	-175	-133	-77	0
60	27.00	bu	-230	-216	-201	-183	-162	-136	-105	-66	-16	50	143
			-280	-266	-251	-233	-212	-186	-155	-116	-66	0	93
70	31.50	bu	-198	-183	-165	-144	-119	-90	-53	-8	50	127	236
			-248	-233	-215	-194	-169	-140	-103	-58	0	77	186
80	36.00	bu	-167	-150	-129	-105	-77	-43	-1	50	116	205	330
			-217	-200	-179	-155	-127	-93	-51	0	66	155	280
90	40.50	bu	-136	-116	-93	-66	-34	3	50	108	183	283	423
			-186	-166	-143	-116	-84	-46	0	58	133	233	373
100	45.00	bu	-105	-83	-57	-27	7	50	101	166	250	361	516
			-155	-133	-107	-77	-42	0	51	116	200	311	466
110	49.50	bu	-74	-49	-21	11	50	96	153	225	316	439	610
			-124	-100	-71	-38	0	46	103	175	266	389	560
120	54.00	bu	-43	-16	14	50	92	143	205	283	383	516	703
			-93	-66	-35	0	42	93	155	233	333	466	653
130	58.50	bu	-12	16	50	88	134	190	257	341	450	594	797
			-62	-33	0	38	84	140	207	291	400	544	746
140	63.00	bu	18	50	85	127	177	236	309	400	516	672	890
			-31	0	35	77	127	186	259	350	466	622	840
150	67.50	bu	50	83	121	166	219	283	361	458	583	750	983
			0	33	71	116	169	233	311	408	533	700	933

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, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	3.0000	24.33	_________
App by Air (3 gal)	appl	6.87	5.0000	34.35	_________
HARVEST AIDS					
Gramoxone Inteon	oz	0.19	16.0000	3.04	_________
FERTILIZERS					
LA Phosphate	lb	0.75	50.0000	37.50	_________
LA Potash	lb	0.43	50.0000	21.50	_________
FUNGICIDES					
Quadris	oz	6.25	6.0000	37.50	_________
Stratego	pt	22.50	0.6250	14.06	_________
HERBICIDES					
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	2.0000	6.40	_________
Dual II Magnum	pt	13.25	1.0000	13.25	_________
Flexstar HL	pt	9.75	1.0000	9.75	_________
INSECTICIDES					
Brigade EC	pt	20.27	0.7500	15.20	_________
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	1.12	50.0000	56.00	_________
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	65.00	0.3300	21.45	_________
CUSTOM HARVEST/HAUL					
Haul Soybeans	bu	0.27	55.0000	14.85	_________
OPERATOR LABOR					
Harvesters	hour	17.94	0.0851	1.53	_________
IRRIGATION LABOR					
Implements	hour	14.53	0.0062	0.09	_________
LA Hired Labor					
Implements	hour	14.53	0.0986	1.44	_________
Tractors	hour	14.53	0.5739	8.35	_________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	_________
DIESEL FUEL					
Tractors	gal	3.50	5.5004	19.27	_________
Harvesters	gal	3.50	1.2047	4.22	_________
Roll-Out Pipe Irr.	gal	3.50	4.8877	17.10	_________
REPAIR & MAINTENANCE					
Implements	Acre	5.77	1.0000	5.77	_________
Tractors	Acre	4.27	1.0000	4.27	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
Roll-Out Pipe Irr.	Acre	5.36	1.0000	5.36	_________
INTEREST ON OP. CAP.	Acre	14.18	1.0000	14.18	_________

TOTAL DIRECT EXPENSES				481.28	_________
FIXED EXPENSES					
Implements	Acre	14.59	1.0000	14.59	_________
Tractors	Acre	32.99	1.0000	32.99	_________
Harvesters	Acre	19.66	1.0000	19.66	_________
Roll-Out Pipe Irr.	Acre	68.61	1.0000	68.61	_________

TOTAL FIXED EXPENSES				135.85	_________

TOTAL SPECIFIED EXPENSES				617.13	_________

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, 2024.

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Oct	2.60	3.86	1.07	1.50	0.07	1.13				10.16
LA Phosphate	lb											50.0000	0.75	37.50	37.50
LA Potash	lb											50.0000	0.43	21.50	21.50
Lime (Spread)	ton			0.33	Oct							0.3300	65.00	21.45	21.45
Field Cultivate	32'	MFWD 190	0.046	1.00	Oct	1.96	2.77	0.72	3.79	0.04	0.68				9.92
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.03	2.89	0.06	0.19	0.04	0.71				5.88
Ditcher		2WD 130	0.020	1.00	Oct	0.55	0.63	0.07	0.12	0.02	0.29				1.66
App by Air (5 gal)	appl			1.00	Mar							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											2.0000	3.20	6.40	6.40
NT Plant-Folding	12R-38	MFWD 190	0.051	1.00	May	2.17	3.07	2.11	5.10	0.10	1.50				13.95
Soybean Seed RR	lb											50.0000	1.12	56.00	56.00
Ditcher		2WD 130	0.020	1.00	May	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Spray (Broadcast)	40'	MFWD 170	0.042	1.00	May	1.57	2.06	0.21	0.31	0.06	0.92				5.07
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual II Magnum	pt											1.0000	13.25	13.25	13.25
App by Air (5 gal)	appl			1.00	Jun							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Flexstar HL	pt											1.0000	9.75	9.75	9.75
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Quadris	oz											6.0000	6.25	37.50	37.50
App by Air (3 gal)	appl			1.00	Jul							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Besiege	oz											5.0000	2.75	13.75	13.75
Stratego	pt											0.6250	22.50	14.06	14.06
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Brigade EC	pt											0.3750	20.27	7.60	7.60
Besiege	oz											5.0000	2.75	13.75	13.75
App by Air (3 gal)	appl			1.00	Aug							1.0000	6.87	6.87	6.87
Prevathon	oz											8.0000	1.05	8.40	8.40
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
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	8.33	19.66	1.03	1.94	0.08	1.53				32.49
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	12.11	17.08	22.89	70.13	0.44	6.53	1.0000		7.92	136.66
TOTALS						31.87	52.65	28.23	83.20	0.91	13.58			393.42	602.95
INTEREST ON OPERATING CAPITAL															14.18
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															617.13

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, 2024.

			BREAKEVEN PRICE										
Soybeans			5.92	6.32	6.79	7.33	7.97	8.75	9.69	10.86	12.38	14.40	17.22
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-310	-299	-286	-271	-254	-233	-207	-174	-133	-77	0
			-446	-435	-422	-407	-390	-368	-343	-310	-269	-213	-135
60	33.00	bu	-279	-266	-251	-233	-211	-186	-155	-116	-66	0	93
			-415	-402	-386	-368	-347	-322	-291	-252	-202	-135	-42
70	38.50	bu	-248	-233	-215	-194	-169	-139	-103	-58	0	77	186
			-384	-368	-351	-330	-305	-275	-239	-194	-135	-58	50
80	44.00	bu	-217	-199	-179	-155	-127	-93	-51	0	66	155	279
			-353	-335	-315	-291	-263	-229	-187	-135	-69	19	143
90	49.50	bu	-186	-166	-143	-116	-84	-46	0	58	133	233	372
			-322	-302	-279	-252	-220	-182	-135	-77	-2	97	237
100	55.00	bu	-155	-133	-107	-77	-42	0	51	116	199	310	466
			-291	-269	-243	-213	-178	-135	-84	-19	63	174	330
110	60.50	bu	-124	-99	-71	-38	0	46	103	174	266	388	559
			-260	-235	-207	-174	-135	-89	-32	38	130	252	423
120	66.00	bu	-93	-66	-35	0	42	93	155	233	333	466	652
			-229	-202	-171	-135	-93	-42	19	97	197	330	516
130	71.50	bu	-62	-33	0	38	84	139	207	291	399	543	745
			-198	-169	-135	-96	-51	4	71	155	263	408	610
140	77.00	bu	-31	0	35	77	127	186	259	349	466	621	839
			-166	-135	-99	-58	-8	50	123	213	330	485	703
150	82.50	bu	0	33	71	116	169	233	310	407	532	699	932
			-135	-102	-64	-19	33	97	174	272	396	563	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 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, 2024.

			BREAKEVEN PRICE										
Soybeans			7.57	8.09	8.69	9.39	10.22	11.22	12.43	13.95	15.91	18.51	22.16
PERCENT	YIELD	UNIT	dollars										
50	27.50	bu	-265	-251	-234	-215	-192	-165	-131	-89	-36	35	135
			-401	-387	-370	-351	-328	-301	-267	-225	-172	-100	0
60	33.00	bu	-225	-208	-188	-165	-137	-104	-64	-14	49	135	256
			-361	-344	-324	-301	-273	-240	-200	-150	-86	0	120
70	38.50	bu	-185	-165	-142	-115	-83	-44	2	60	135	236	376
			-321	-301	-277	-250	-218	-180	-133	-75	0	100	240
80	44.00	bu	-145	-122	-95	-64	-28	15	68	135	221	336	497
			-280	-258	-231	-200	-164	-120	-66	0	86	200	361
90	49.50	bu	-104	-79	-49	-14	26	75	135	211	307	436	617
			-240	-215	-185	-150	-109	-60	0	75	172	301	481
100	55.00	bu	-64	-36	-3	35	81	135	202	286	393	537	737
			-200	-172	-138	-100	-54	0	66	150	258	401	602
110	60.50	bu	-24	6	43	85	135	196	269	361	479	637	858
			-160	-129	-92	-50	0	60	133	225	344	501	722
120	66.00	bu	15	49	89	135	190	256	336	436	565	737	978
			-120	-86	-46	0	54	120	200	301	430	602	842
130	71.50	bu	55	92	135	186	245	316	403	512	651	838	1099
			-80	-43	0	50	109	180	267	376	516	702	963
140	77.00	bu	95	135	182	236	300	376	470	587	737	938	1219
			-40	0	46	100	164	240	334	451	602	802	1083
150	82.50	bu	135	178	228	286	354	436	537	662	823	1038	1340
			0	43	92	150	218	301	401	526	688	903	1204

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, 2024.

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	14.53	0.0062	0.09	_________
LA Hired Labor					
Tractors	hour	14.53	0.2930	4.27	_________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	_________
DIESEL FUEL					
Tractors	gal	3.50	2.8274	9.90	_________
Engine, RPF, 75	gal	3.50	8.5535	29.94	_________
REPAIR & MAINTENANCE					
Implements	Acre	0.43	1.0000	0.43	_________
Tractors	Acre	2.21	1.0000	2.21	_________
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	1.78	1.0000	1.78	_________

TOTAL DIRECT EXPENSES				65.87	_________
FIXED EXPENSES					
Implements	Acre	1.52	1.0000	1.52	_________
Tractors	Acre	17.08	1.0000	17.08	_________
Well & Pump, Furrow	each	1924.92	0.0062	12.03	_________
Main Line Pipe	each	1064.08	0.0062	6.65	_________
Land Forming ($300)	each	38.10	1.0000	38.11	_________
Engine, RPF, 75	each	1891.51	0.0062	11.82	_________

TOTAL FIXED EXPENSES				87.21	_________

TOTAL SPECIFIED EXPENSES				153.08	_________

Appendix Table 2 Estimated costs per Acre
Center pivot irrigation system, 1/4 mile
applying 7.5 inches in three applications Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
LA Hired Labor					
Special Labor	hour	14.53	0.2036	2.95	_________
DIESEL FUEL					
Engine, 1/4 CP, 65	gal	3.50	11.2011	39.20	_________
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	2.03	1.0000	2.03	_________

TOTAL DIRECT EXPENSES				66.13	_________
FIXED EXPENSES					
Well & Pump, 1/4 CP	each	1924.92	0.0074	14.26	_________
Engine, 1/4 CP, 65	each	1891.51	0.0074	14.01	_________
Pivot, 1/4 CP	each	9616.05	0.0074	71.23	_________

TOTAL FIXED EXPENSES				99.50	_________

TOTAL SPECIFIED EXPENSES				165.63	_________

Appendix Table 3. Operating Inputs: Estimated Prices for 2024.

ITEM NAME	UNIT	PRICE
		dollars
ADJUVANTS		
Surfactant	pt	3.30
CUSTOM FERT/LIME		
Lime (Spread)	ton	65.00
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	6.87
App by Air (5 gal)	appl	8.11
App by Air (10 gal)	appl	10.57
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	26.00
Anhy Ammonia (82% N)	cwt	28.00
Boron (Solubor)	lb	0.75
Crop Oil (Seed Oil)	pt	2.90
DAP	cwt	47.21
Fert 0-20-20	cwt	0.00
Fert 10-10-10	cwt	0.00
Fert 10-34-0	cwt	40.00
Fert 10-34-0	gal	4.66
Fert 13-13-13	cwt	0.00
Fert 41-0-0-4	cwt	38.00
Fert 5-20-20	cwt	0.00
Haul Corn	bu	0.23
Haul Cotton	lb	0.02
LA Nitrogen	lb	0.59
LA Phosphate	lb	0.75
LA Potash	lb	0.43
Phosphorus(46% P2O5)	cwt	39.25
Potash (60% K2O)	cwt	36.20
Sulfur	lb	0.34
UAN (32% N)	cwt	36.15
UAN + Sulfur (28% N)	cwt	31.10
Urea, Solid (46% N)	cwt	31.69
Zinc	lb	0.50
FUNGICIDES		
Apron Maxx RTA	oz	1.02
Apron XL	oz	6.98
Apron XL LS	oz	5.27
Benlate 50 WP	lb	15.95
Captan 4L	pt	4.50
Captan 50 WP	lb	6.13
Crop Oil (Petroleum)	pt	2.90
Cruiser 5FS	oz	0.90
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
Quadris	oz	6.25
Ridomil GoldPC 10G	lb	2.08

Appendix Table 3. Operating inputs: estimated prices Louisiana, 2024.

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	22.50
Terrachlor Flowable	pt	4.74
Terraclor 2EC	pt	1.87
Terraclor Super X EC	pt	3.95
Terraclor Super X G	lb	2.82
Tilt 3.6 EC	oz	1.02
Vitavax 200	oz	0.47
Vitavax M Flowable	oz	1.06
Vitavax RTU-Thiram	oz	0.40
Vitavax T-L	oz	0.29
GIN/DRY		
Dry Corn	bu	0.19
Dry Grain Sorghum	cwt	0.25
Dry Rice	bu	0.40
Dry Rice (cwt)	cwt	0.90
Gin	lb	0.11
LARice Dry	cwt	0.90
GROWTH REGULATORS		
Early Harvest PGR	oz	1.55
LA Polado	oz	0.45
Mepex	oz	0.09
PGR IV	oz	1.55
Pix Plus	oz	1.36
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	11.25
Dropp 50 WP	lb	45.45
Dropp SC	oz	1.56
Ethephon 6E	pt	3.56
Finish 6	pt	11.74
Folex 6EC	pt	11.25
Ginstar EC	pt	29.72
Gramoxone Extra	pt	5.28
Gramoxone Inteon	oz	0.19
Gramoxone Max	pt	5.28
Leafless	pt	18.56
Prep	pt	3.84
Sodium Chlorate 3L	gal	3.50
Solium Chlorate 6L	gal	8.61
HERBICIDES		
2,4-D Amine 4	pt	2.88
2,4-D Ester	pt	5.03
AAtrex 4L	pt	3.00
Accent Gold	oz	6.12
Accent SP	oz	23.39
Aim 2EC	oz	8.13
Aim DF	oz	8.13
Arrosolo	qt	7.88
Assure II	oz	0.74
Atrazine 4L	pt	2.75
Atrazine 90DF	lb	5.09
Authority 75DF	lb	37.75
Axiom 68DF	lb	25.74
Backdraft	pt	2.40
Banvel	pt	10.94
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, 2024.

ITEM NAME	UNIT	PRICE
		dollars
HERBICIDES CONT'D		
Bicep II zmsgnum	qt	11.18
Blazer Ultra	pt	9.79
Boa	pt	3.63
Bolero 8EC	pt	7.73
Boundary	pt	12.00
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	3.52
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	14.29
Classic	oz	16.67
Clincher EC	oz	2.54
Cobra 2EC	oz	1.50
Command 3ME	pt	17.50
Command XTRA	pt	0.00
Cornerstone	pt	2.50
Cotoran 4L	pt	5.24
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	5.46
Direx 80 DF	lb	6.20
Diuron 4L	pt	4.25
Diuron 80 DF	lb	5.50
DSMA 4	pt	0.90
Dual 8E	pt	0.00
Dual II Magnum	pt	13.25
Dual Magnum	pt	10.75
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	9.75
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	1.33
Fusion	pt	29.86
Glyfos	pt	1.80
Glyphomax	pt	3.49
Glyphosate Plus 4L	pt	4.03
Glystar Plus	pt	2.17
Goal 2XL	pt	10.75
Gramoxone Extra	pt	0.00
Gramoxone Max	pt	5.28
Gramoxone Max	pt	5.28
Grandstand R	qt	18.68
Guardsman	pt	4.66
Guardsman Max	pt	7.22
Harmony Extra	oz	11.00

Appendix Table 3. Operating Inputs: Estimated Prices for 2024.

ITEM NAME	UNIT	PRICE
		dollars
HERBICIDES CONT'D		
Hoelon 3EC	pt	11.03
Karmex DF	lb	5.93
LA Asulox/Asulam	gal	46.00
LA Weedmaster	qt	8.50
Lariat	qt	7.58
Lasso 4EC	qt	6.60
Layby Pro	qt	3.87
Londax 60DF	oz	18.08
Lorox 50DF	lb	24.12
Matador	pt	0.00
MSMA 6.6	pt	6.18
MSMA6 + Surfactant	pt	6.18
Newpath 2SL	oz	4.28
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	19.50
Poast 1.53	pt	12.77
Poast Plus	pt	9.69
Propanil 4E	qt	5.15
Prowl 3.3 EC	pt	5.56
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	7.50
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	0.94
Sencor 4F	pt	14.74
Sencor DF	lb	23.95
Squadron CE	pt	12.50
Stam 4E	qt	8.00
Stam 80 EDF	lb	9.45
Staple 85%	oz	3.95
Staple Plus	oz	8.55
Steadfast	oz	12.26
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	4.36
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 2024.

ITEM NAME	UNIT	PRICE
		dollars
INSECTICIDES		
Acephate 90SP	lb	8.25
Admire 2 Flowable	oz	2.56
Ammo 2.5 EC	oz	0.85
App Fert by Air(Min)	appl	7.50
Asana .66 XL	oz	0.62
Aztec 2.1% G	lb	3.88
Baythroid 2	oz	2.58
Belt	oz	6.41
Besiege	oz	2.75
Bidrin 8L	oz	1.51
Brigade EC	pt	20.27
Brigade WSB	lb	26.04
Capture 2EC	oz	1.37
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
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	20.16
Dimethoate 4E	pt	13.50
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
Gaucho 480	oz	5.80
Intrepid 2F	oz	1.99
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	1.18
Orthene 90S	lb	7.00
Orthene 97	lb	29.33
Ovasyn	pt	0.00
Penncap M	pt	6.71
Phaser 3E	qt	8.13
Pounce 25WP	lb	19.96
Pounce 3.2 EC	oz	0.34
Prevathon	oz	1.05
Provado 1.6F	oz	1.94
Scout X-TRA	oz	0.00
Sevin 80S	lb	7.40
Sevin XLR Plus	qt	17.53
Sivanto	oz	2.50
Spintor 2SC	oz	4.93

Appendix Table 3. Operating Inputs: Estimated Prices for 2024.

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	3.02
IRRIGATION SUPPLIES		
Rice Gates	each	3.65
Roll-Out Pipe	ft	0.24
OVERHEAD		
Farmstead & Drainage	Dol	1.00
LARice Insurance	Dollar	1.00
LARice Misc. Overhd	dollar	1.00
LARice Property Tax	dollar	1.00
Shops Bldg & Equip.	Dol	6.55
SERVICE FEE		
Utilities	Dol	1.00
SEED/PLANTS		
Corn Seed Bt	thous	3.61
Corn Seed BtRR	thous	3.61
Corn Seed Conv.	thous	3.80
Corn Seed RR	thous	4.26
Corn Seed VT3	thous	3.91
Corn Seed VT3Pro	thous	3.91
Cotton Seed BG/RR	thous	0.62
Cotton Seed BGII/RRF	thous	2.70
Cotton Seed Bt	thous	2.60
Cotton Seed BtRR	thous	3.15
Cotton Seed Bxn	thous	0.00
Cotton Seed Conv.	thous	0.00
Cotton Seed Liberty	thous	1.05
Cotton Seed Liberty	thous	1.05
Cotton Seed RR	thous	0.63
Cotton Seed RR	thous	0.63
Cotton Seed WS	thous	0.49
Cotton Seed WS/RR	thous	0.00
Cotton Seed WS/RRF	thous	0.59
Rice Clearfield 161	lb	1.30
Rice Clearfield XL8	lb	6.12
Rice Seed (Levees)	lb	0.90
Rice Seed CF(Levees)	lb	1.30
Rice Seed Conv.	lb	0.39
Rice Seed Hybrid	lb	5.66
SC Cultured seedcane	acre	665.00
Sorghum Concept	lb	2.84
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	1.12
Soybean Seed Stack	lb	1.28
Wheat Seed Private	lb	0.34
SERVICE FEE		
Cotton Checkoff	bale	2.56
Cotton Storage	bale	25.00
Crop Consultant	acre	9.00
Custom Apply	acre	8.00
Custom Combine Rice	acre	0.00
Custom Spread(Truc	appl	4.50
Digital Ag Fee	acre	10.00
Insect Scouting	acre	7.00
LARice Air Plant NE	cwt	5.50
Rice Consultant	acre	9.00

Appendix Table 3. Operating Inputs: Estimated Prices for 2024.

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 2024.

Item Name	Size	Purchase Price	Annual Use	Useful Life	Fuel Use	Labor	Fuel	R&M	Total Direct	Fixed	Total Cost
		dollars	hours	years	gal/hr	----------------$/hour----------------					
Combine (200-249 hp)	240hp	161,548	300	8	12.35	17.94	43.22	16.82	77.99	80.57	158.56
Combine (225-274 hp)	Track250hp	0	300	8	12.87	17.94	45.04	0.00	62.98	0.00	62.98
Combine (250-299 hp)	275hp	463,000	300	8	14.15	17.94	49.52	48.22	115.69	230.93	346.62
Combine (250-299hp)	Grass295hp	218,222	300	8	15.18	17.94	53.13	22.73	93.80	108.84	202.64
Combine (275-299 hp)	Track290hp	0	300	8	14.93	17.94	52.25	0.00	70.19	0.00	70.19
Combine (300-349 hp)	325hp	468,000	300	8	16.73	17.94	58.55	48.75	125.24	233.42	358.67
Combine (300-349hp)	Track320hp	0	300	8	16.47	17.94	57.64	0.00	75.58	0.00	75.58
Combine (350-379 hp)	370hp	500,000	300	8	19.04	17.94	66.64	52.08	136.66	249.38	386.04
Combine (350-379 hp)	Track365hp	0	300	8	18.79	17.94	65.76	0.00	83.70	0.00	83.70
Cotton Stripper	173hp	170,000	200	8	8.08	17.94	28.28	26.56	72.78	127.18	199.96
Tractor(40-59hp)Cab	2WD 50	39,900	600	8	2.57	14.53	9.00	1.24	24.78	9.33	34.12
Tractor(40-59hp)Cab	MFWD 50	50,300	600	8	2.57	14.53	9.00	1.57	25.10	11.77	36.87
Tractor(40-59hp)RB	2WD 50	28,100	600	8	2.57	14.53	9.00	0.87	24.41	6.57	30.99
Tractor(40-59hp)RB	MFWD 50	33,900	600	8	2.57	14.53	9.00	1.05	24.59	7.93	32.52
Tractor(60-89hp)CAB	2WD 75	64,000	600	8	3.86	14.53	13.51	2.00	30.04	14.97	45.01
Tractor(60-89hp)CAB	MFWD 75	74,900	600	8	3.86	14.53	13.51	2.34	30.38	17.52	47.90
Tractor(60-89hp)RB	2WD 75	59,800	600	8	3.86	14.53	13.51	1.86	29.91	13.99	43.90
Tractor(60-89hp)RB	MFWD 75	53,500	600	8	3.86	14.53	13.51	1.67	29.71	12.51	42.23
Tractor(90-119hp)CB	2WD 105	94,400	600	8	5.40	14.53	18.91	2.95	36.39	22.08	58.48
Tractor(90-119hp)CB	MFWD 105	103,500	600	8	5.40	14.53	18.91	3.23	36.68	24.21	60.89
Tractor(90-119hp)RB	2WD 105	84,000	600	8	5.40	14.53	18.91	2.62	36.07	19.65	55.72
Tractor(90-119hp)RB	MFWD 105	90,700	600	8	5.40	14.53	18.91	2.83	36.28	21.22	57.50
Tractor(120-139hp)CB	2WD 130	135,400	600	8	6.69	14.53	23.41	4.23	42.18	31.68	73.86
Tractor(120-139hp)CB	MFWD 130	170,900	600	8	6.69	14.53	23.41	5.34	43.29	39.99	83.28
Tractor(140-159hp)CB	2WD 150	137,500	600	8	7.72	14.53	27.02	4.29	45.85	32.17	78.02
Tractor(140-159hp)CB	MFWD 150	171,000	600	8	7.72	14.53	27.02	5.34	46.89	40.01	86.91
Tractor(160-179hp)CB	2WD 170	166,000	600	8	8.75	14.53	30.62	5.18	50.34	40.12	90.46
Tractor(160-179hp)CB	MFWD 170	201,000	600	8	8.75	14.53	30.62	6.28	51.43	48.58	100.01
Tractor(160-199hp)CB	Track 180	142,710	600	8	9.26	14.53	32.42	4.45	51.41	34.49	85.90
Tractor(180-199hp)CB	2WD 190	143,000	600	8	9.77	14.53	34.22	4.46	53.22	34.56	87.78
Tractor(180-199hp)CB	MFWD 190	246,000	600	8	9.77	14.53	34.22	7.68	56.44	59.45	115.90
Tractor(200-249hp)CB	4WD 225	147,066	600	8	11.58	14.53	40.53	4.59	59.66	35.54	95.20
Tractor(200-249hp)CB	MFWD 225	309,000	600	8	11.58	14.53	40.53	9.65	64.72	74.68	139.40
Tractor(200-249hp)CB	Track 225	277,000	600	8	11.58	14.53	40.53	8.65	63.72	66.94	130.66
Tractor(250-349hp)CB	4WD 300	432,000	600	8	15.44	14.53	54.04	13.50	82.07	104.41	186.48
Tractor(250-349hp)CB	Track 300	329,000	600	8	15.44	14.53	54.04	10.28	78.85	79.51	158.37
Tractor(350-449hp)CB	4WD 400	480,000	600	8	20.58	14.53	72.06	15.00	101.59	116.01	217.60
Tractor(350-449hp)CB	Track 400	625,000	600	8	20.58	14.53	72.06	19.53	106.12	151.05	257.17
Tractor(450-uphp)CB	TRACK-475	279,879	600	8	24.44	14.53	85.57	8.74	108.84	67.64	176.49

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 2024.

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	3.58	0.64	0.46	4.69	2.71	7.41
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	16.87	14.69	11.76	43.33	56.33	99.67
Cotton Picker-1st-BB	4R2X1260hp	317,399	200	8	13.33	0.172	5.59	8.03	8.54	22.17	40.91	63.09
Cotton Picker-1st-BB	4R30"250hp	262,000	200	8	12.86	0.327	10.63	14.74	13.40	38.77	64.17	102.94
Cotton Picker-1st-BB	4R30"325hp	350,000	200	8	18.01	0.327	10.63	20.63	17.90	49.17	85.72	134.89
Cotton Picker-1st-BB	4R38"255hp	268,000	200	8	13.12	0.257	8.37	11.84	10.79	31.00	51.68	82.69
Cotton Picker-1st-BB	4R38"325hp	351,000	200	8	18.01	0.257	8.37	16.24	14.13	38.75	67.69	106.45
Cotton Picker-1st-BB	5R30"255hp	285,000	200	8	12.86	0.261	8.50	11.78	11.66	31.95	55.84	87.79
Cotton Picker-1st-BB	5R38"250hp	284,601	200	8	12.86	0.207	6.72	9.33	9.21	25.27	44.11	69.39
Cotton Picker-1st-BB	6R30"325hp	465,000	200	8	18.27	0.218	7.08	13.95	15.85	36.89	75.92	112.82
Cotton Picker-1st-BB	6R38"330hp	465,000	200	8	18.27	0.172	5.59	11.01	12.51	29.13	59.94	89.07
Cotton Picker-1st-Tr	2R38"157hp	144,912	200	8	8.08	0.519	16.87	14.69	11.76	43.33	56.33	99.67
Cotton Picker-1st-Tr	4R2X1255hp	322,137	200	8	18.01	0.172	5.59	10.86	8.67	25.13	41.52	66.66
Cotton Picker-1st-Tr	4R30"250hp	261,825	200	8	12.86	0.327	10.63	14.74	13.39	38.76	64.12	102.89
Cotton Picker-1st-Tr	4R30"325hp	311,088	200	8	16.72	0.327	10.63	19.16	15.91	45.71	76.19	121.90
Cotton Picker-1st-Tr	4R38"255hp	268,000	200	8	13.12	0.257	8.37	11.84	10.79	31.00	51.68	82.69
Cotton Picker-1st-Tr	4R38"325hp	351,000	200	8	18.01	0.257	8.37	16.24	14.13	38.75	67.69	106.45
Cotton Picker-1st-Tr	5R30"255hp	285,303	200	8	13.12	0.261	8.50	12.03	11.67	32.21	55.90	88.11
Cotton Picker-1st-Tr	5R38"250hp	290,471	200	8	12.86	0.207	6.72	9.33	9.40	25.46	45.02	70.49
Cotton Picker-1st-Tr	6R30"325hp	465,000	200	8	16.72	0.218	7.08	12.77	15.85	35.72	75.92	111.65
Cotton Picker-1st-Tr	6R38"330hp	465,000	200	8	18.01	0.172	5.59	10.86	12.51	28.97	59.94	88.92
Cotton Picker-2nd-BB	2R38"157hp	144,912	200	8	8.08	0.440	14.29	12.44	9.96	36.70	47.72	84.43
Cotton Picker-2nd-BB	4R2x1260hp	322,187	200	8	18.01	0.145	4.73	9.20	7.34	21.28	35.18	56.46
Cotton Picker-2nd-BB	4R30"250hp	261,825	200	8	12.86	0.277	9.00	12.48	11.34	32.83	54.32	87.15
Cotton Picker-2nd-BB	4R30"325hp	311,088	200	8	16.72	0.277	9.00	16.23	13.47	38.72	64.54	103.26
Cotton Picker-2nd-BB	4R38"255hp	268,000	200	8	13.12	0.218	7.08	10.03	9.14	26.26	43.78	70.04
Cotton Picker-2nd-BB	4R38"325hp	351,000	200	8	18.01	0.218	7.08	13.76	11.97	32.82	57.33	90.16
Cotton Picker-2nd-BB	5R30"255hp	285,303	200	8	13.12	0.221	7.20	10.19	9.88	27.28	47.35	74.63
Cotton Picker-2nd-BB	5R38"250hp	284,601	200	8	12.86	0.175	5.69	7.90	7.80	21.40	37.37	58.77
Cotton Picker-2nd-BB	6R30"325hp	465,000	200	8	18.01	0.184	6.00	11.65	13.43	31.08	64.31	95.40
Cotton Picker-2nd-Tr	6R38"330hp	465,000	200	8	18.01	0.145	4.73	9.19	10.60	24.54	50.77	75.31
Cotton Picker/Module	6R-30(500)	854,000	200	8	25.73	0.218	7.08	19.65	29.12	55.86	139.44	195.31
LA Pickup Truck	1/2 ton	28,000	800	5	2.50	1.000	14.53	8.02	3.15	25.70	8.29	33.99
LA Rice Combine	25 ft	181,500	300	10	8.60	0.300	5.92	9.03	14.53	29.49	26.46	55.96
LA Rice Combine-2	25 ft	181,500	300	10	8.60	0.300	5.92	9.03	14.53	29.49	26.46	55.96
LARice Combine Med	20 ft	165,000	300	10	7.10	0.210	4.14	5.22	9.24	18.61	16.83	35.44
Levee Sprayer	27'	30,768	350	8	2.57	0.038	0.96	0.34	0.06	1.37	0.50	1.87
Sprayer(300-450Gal)	60'	103,000	350	8	5.66	0.017	0.44	0.34	0.09	0.89	0.77	1.66
Sprayer(300-450Gal)	80'	103,000	350	8	5.66	0.013	0.33	0.26	0.07	0.66	0.58	1.25
Sprayer(600-750Gal)	60'	216,000	350	8	10.29	0.017	0.44	0.63	0.20	1.28	1.62	2.91
Sprayer(600-825Gal)	80'	268,000	350	8	10.29	0.013	0.33	0.47	0.18	0.99	1.51	2.51
Sprayer(600-825Gal)	90'	331,000	350	8	10.29	0.011	0.29	0.42	0.20	0.92	1.66	2.59
Sprayer(1000-1400Gal	90'	363,000	350	8	14.15	0.014	0.35	0.69	0.27	1.32	2.18	3.51
Sprayer(1200PlusGal)	120'	472,000	350	8	15.44	0.008	0.22	0.47	0.22	0.92	1.77	2.69

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Louisiana 2024.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Blade-Box	6'	2WD 130	2,070	200	20	0.020	0.29	0.46	0.01	0.08	0.86	0.02	0.63	1.51
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	17.09	10.59	0.70	1.03	29.43	0.76	7.73	37.93
Blade-Scraper	10'	2WD 50	3,870	200	20	1.176	17.09	10.59	2.16	1.03	30.88	2.33	7.73	40.95
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	7.55	17.78	3.96	3.99	33.29	10.20	30.89	74.39
Boll Buggy-1st pick	4R2x1260hp	MFWD 190	30,500	200	10	0.172	2.50	5.89	1.31	1.32	11.04	3.38	10.24	24.67
Boll Buggy-1st pick	4R30"255hp	MFWD 190	30,500	200	10	0.327	4.75	11.20	2.49	2.51	20.97	6.43	19.46	46.87
Boll Buggy-1st pick	4R30"325hp	MFWD 190	30,500	200	10	0.327	4.75	11.20	2.49	2.51	20.97	6.43	19.46	46.87
Boll Buggy-1st pick	4R38"255hp	MFWD 190	30,500	200	10	0.257	3.74	8.82	1.96	1.98	16.51	5.06	15.32	36.90
Boll Buggy-1st pick	4R38"325hp	MFWD 190	30,500	200	10	0.257	3.74	8.82	1.96	1.98	16.51	5.06	15.32	36.90
Boll Buggy-1st pick	5R30"255hp	MFWD 190	30,500	200	10	0.261	3.80	8.96	1.99	2.01	16.78	5.14	15.57	37.49
Boll Buggy-1st pick	5R38"255hp	MFWD 190	30,500	200	10	0.207	3.01	7.09	1.57	1.59	13.27	4.07	12.31	29.66
Boll Buggy-1st pick	6R30"325hp	MFWD 190	30,500	200	10	0.218	3.17	7.47	1.66	1.67	13.98	4.28	12.97	31.24
Boll Buggy-1st pick	6R38"325hp	MFWD 190	30,500	200	10	0.172	2.50	5.89	1.31	1.32	11.04	3.38	10.24	24.67
Boll Buggy-2nd pick	2R38"157hp	MFWD 190	30,500	200	10	0.440	6.39	15.06	3.35	3.38	28.20	8.64	26.17	63.02
Boll Buggy-2nd pick	4R2x1260hp	MFWD 190	30,500	200	10	0.145	2.12	4.99	1.11	1.12	9.35	2.86	8.67	20.89
Boll Buggy-2nd pick	4R30"255hp	MFWD 190	30,500	200	10	0.277	4.02	9.49	2.11	2.13	17.76	5.44	16.48	39.70
Boll Buggy-2nd pick	4R30"325hp	MFWD 190	30,500	200	10	0.277	4.02	9.49	2.11	2.13	17.76	5.44	16.48	39.70
Boll Buggy-2nd pick	4R38 255hp	MFWD 190	30,500	200	10	0.218	3.17	7.47	1.66	1.67	13.99	4.28	12.98	31.26
Boll Buggy-2nd pick	4R38 325hp	MFWD 190	30,500	200	10	0.218	3.17	7.47	1.66	1.67	13.99	4.28	12.98	31.26
Boll Buggy-2nd pick	5R30"255hp	MFWD 190	30,500	200	10	0.221	3.22	7.59	1.69	1.70	14.21	4.35	13.19	31.76
Boll Buggy-2nd pick	5R38"255hp	MFWD 190	30,500	200	10	0.175	2.55	6.00	1.33	1.34	11.24	3.44	10.43	25.12
Boll Buggy-2nd pick	6R30"325hp	MFWD 190	30,500	200	10	0.184	2.68	6.32	1.40	1.42	11.84	3.63	10.99	26.46
Boll Buggy-2nd pick	6R38"325hp	MFWD 190	30,500	200	10	0.145	2.12	4.99	1.11	1.12	9.35	2.86	8.67	20.89
Boll Buggy-Stripper	13' Bcast	MFWD 150	30,500	200	10	0.251	3.65	6.80	1.92	1.34	13.73	4.94	10.07	28.75
Boll Buggy-Stripper	16' Bcast	MFWD 150	30,500	200	10	0.204	2.97	5.52	1.56	1.09	11.15	4.01	8.18	23.36
Boll Buggy-Stripper	19' Bcast	MFWD 150	30,500	200	10	0.172	2.50	4.65	1.31	0.92	9.39	3.38	6.89	19.67
Boll Buggy-Stripper	4R30"2X1Br	MFWD 150	30,500	200	10	0.218	3.17	5.89	1.66	1.16	11.89	4.28	8.73	24.91
Boll Buggy-Stripper	4R30"Brush	MFWD 150	30,500	200	10	0.327	4.75	8.84	2.49	1.74	17.84	6.43	13.09	37.38
Boll Buggy-Stripper	4R38"2X1Br	MFWD 150	30,500	200	10	0.172	2.50	4.65	1.31	0.92	9.39	3.38	6.89	19.67
Boll Buggy-Stripper	4R38"Brush	MFWD 150	30,500	200	10	0.257	3.74	6.96	1.96	1.37	14.05	5.06	10.31	29.43
Boll Buggy-Stripper	5R30"Brush	MFWD 150	30,500	200	10	0.261	3.80	7.07	1.99	1.39	14.27	5.14	10.47	29.90
Boll Buggy-Stripper	5R38"Brush	MFWD 150	30,500	200	10	0.207	3.01	5.59	1.57	1.10	11.29	4.07	8.29	23.65
Boll Buggy-Stripper	6R30"Brush	MFWD 150	30,500	200	10	0.218	3.17	5.89	1.66	1.16	11.89	4.28	8.73	24.91
Chisel Plow(Folding)	16'	2WD 130	22,500	150	12	0.115	1.67	2.70	0.93	0.48	5.81	2.09	3.66	11.56
Chisel Plow(Folding)	24'	MFWD 190	57,300	150	12	0.076	1.11	2.61	1.58	0.58	5.89	3.52	4.54	13.97
Chisel Plow(Folding)	32'	MFWD 225	72,800	150	12	0.057	0.83	2.34	1.51	0.55	5.25	3.38	4.31	12.95
Chisel Plow(Folding)	42'	MFWD 225	86,400	150	12	0.044	0.63	1.78	1.37	0.42	4.22	3.06	3.28	10.57
Chisel Plow(Rigid)	15'	2WD 130	20,300	150	12	0.123	1.79	2.88	0.90	0.52	6.10	2.01	3.90	12.02
Chisel Plow(Rigid)	24'	MFWD 190	16,000	150	12	0.077	1.11	2.63	0.44	0.59	4.79	0.99	4.57	10.36
Chisel-Harrow	21 shank	2WD 190	6,750	150	12	0.088	1.27	3.01	0.21	0.39	4.90	0.47	3.04	8.42
Chisel-Harrow	27 shank	MFWD 225	14,100	150	12	0.068	0.99	2.77	0.34	0.66	4.78	0.77	5.11	10.67
Colter-Chisel-Harrow	21 shank	2WD 190	19,200	150	12	0.088	1.27	3.01	0.61	0.39	5.29	1.36	3.04	9.70
Colter-Chisel-Harrow	27 shank	MFWD 225	24,000	150	12	0.068	0.99	2.77	0.59	0.66	5.02	1.32	5.11	11.46
Corn Grain Cart 8R30	500 bu	MFWD 190	35,100	200	12	0.031	0.46	1.09	0.30	0.24	2.10	0.67	1.89	4.68
Corn Grain Cart 8R40	700bu	MFWD 190	51,600	200	12	0.025	0.36	0.85	0.34	0.19	1.76	0.77	1.48	4.02
Cult & Post	4R-38	2WD 105	27,300	150	10	0.173	3.77	3.27	1.26	0.45	8.76	4.16	3.40	16.34
Cult & Post	6R-30	MFWD 150	33,900	150	10	0.146	6.39	3.96	1.32	0.78	12.46	4.38	5.86	22.71
Cult & Post	6R-38	MFWD 150	33,800	150	10	0.115	2.52	3.12	1.04	0.61	7.31	3.44	4.63	15.39
Cult & Post	8R-30	MFWD 190	44,200	150	10	0.110	2.39	3.76	1.29	0.84	8.30	4.28	6.54	19.12
Cult & Post	8R-38	MFWD 190	44,100	150	10	0.086	1.89	2.97	1.02	0.66	6.56	3.37	5.17	15.11
Cult & Post	8R-38 2x1	MFWD 190	64,900	150	10	0.057	1.26	1.98	1.00	0.44	4.69	3.31	3.44	11.44
Cult & Post	10R-30	MFWD 225	32,000	150	10	0.088	1.91	3.56	0.75	0.84	7.08	2.48	6.57	16.13
Cult & Post	10R-38	MFWD 225	0	150	10	0.065	1.41	2.63	0.00	0.62	4.68	0.00	4.85	9.54
Cult & Post	12R-30	MFWD 225	67,800	150	10	0.073	1.59	2.97	1.32	0.70	6.60	4.38	5.47	16.46
Cult & Post	12R-38	MFWD 225	64,900	150	10	0.057	1.26	2.34	1.00	0.55	5.16	3.31	4.32	12.80
Cultipacker	12'	2WD 130	6,720	300	12	0.124	1.80	2.91	0.19	0.52	5.44	0.34	3.94	9.73
Cultipacker	20'	MFWD 150	10,900	300	12	0.074	1.08	2.01	0.19	0.39	3.69	0.33	2.98	7.01
Cultivate	4R-38	2WD 105	21,500	150	10	0.162	2.35	3.07	0.93	0.42	6.78	3.07	3.19	13.05
Cultivate	6R-30	MFWD 150	28,100	150	10	0.137	1.99	3.71	1.03	0.73	7.47	3.40	5.50	16.38
Cultivate	6R-38	MFWD 150	28,000	150	10	0.108	1.57	2.93	0.81	0.58	5.90	2.67	4.34	12.92
Cultivate	8R-30	MFWD 190	38,400	150	10	0.103	1.49	3.53	1.05	0.79	6.87	3.48	6.13	16.49
Cultivate	8R-38	MFWD 190	39,800	150	10	0.081	1.18	2.79	0.86	0.62	5.46	2.85	4.84	13.17
Cultivate	8R-38 2x1	MFWD 190	59,000	150	10	0.054	0.78	1.85	0.85	0.41	3.91	2.82	3.22	9.96
Cultivate	10R-30	MFWD 225	28,200	150	10	0.082	1.19	3.34	0.62	0.79	5.95	2.05	6.16	14.17
Cultivate	10R-38	MFWD 225	0	150	10	0.065	0.94	2.63	0.00	0.62	4.21	0.00	4.85	9.06
Cultivate	12R-30	MFWD 225	62,000	150	10	0.068	0.99	2.78	1.13	0.66	5.58	3.75	5.13	14.47
Cultivate	12R-38	MFWD 225	59,100	150	10	0.054	0.78	2.20	0.85	0.52	4.36	2.82	4.05	11.24
Disk & Incorporate	14'	2WD 130	45,300	200	10	0.149	3.26	3.50	2.03	0.63	9.43	4.48	4.74	18.65
Disk & Incorporate	24'	MFWD 190	77,700	200	10	0.087	1.90	2.98	2.03	0.67	7.59	4.48	5.19	17.27
Disk & Incorporate	32'	4WD 225	95,100	200	10	0.068	1.49	2.78	1.96	0.31	6.56	4.32	2.44	13.32
Disk & Incorporate	42'	MFWD 225	30,542	200	10	0.049	1.07	1.99	0.44	0.47	3.98	0.99	3.66	8.64
Disk Bed (Hipper)	4R-38	MFWD 150	15,700	160	10	0.147	2.14	3.98	0.57	0.78	7.50	1.91	5.90	15.32
Disk Bed (Hipper)	6R-30	MFWD 170	23,900	160	10	0.125	1.81	3.82	0.74	0.78	7.17	2.46	6.07	15.71
Disk Bed (Hipper)	6R-38	MFWD 170	23,900	160	10	0.098	1.43	3.02	0.58	0.61	5.66	1.94	4.79	12.40
Disk Bed (Hipper)	8R-30	MFWD 190	33,100	160	10	0.093	1.36	3.20	0.77	0.72	6.06	2.56	5.57	14.20
Disk Bed (Hipper)	8R-38 2x1	MFWD 190	114,000	160	10	0.049	0.71	1.68	1.40	0.37	4.19	4.64	2.93	11.77
Disk Bed (Hipper)	10R-30	MFWD 225	19,900	160	10	0.075	1.08	3.04	0.37	0.72	5.22	1.23	5.60	12.06
Disk Bed (Hipper)	10R-38	MFWD 225	23,100	160	10	0.059	0.85	2.39	0.34	0.57	4.16	1.12	4.41	9.71
Disk Bed (Hipper)	12R-30	MFWD 225	87,500	160	10	0.062	0.90	2.53	1.36	0.60	5.41	4.51	4.66	14.59

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate,

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	---------------------$/acre							---------------------
Disk Bed (Hipper)	12R-38	MFWD 225	114,000	160	10	0.049	0.71	1.99	1.40	0.47	4.59	4.64	3.68	12.93
Disk Bed (Hipper)Fld	8R-38	MFWD 190	45,800	160	10	0.074	1.07	2.53	0.84	0.56	5.03	2.80	4.40	12.24
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	36,100	160	10	0.074	1.07	2.53	0.66	0.56	4.85	2.21	4.40	11.46
Disk Bed w/roller	8R-30	2WD 190	40,100	160	10	0.093	1.36	3.20	0.93	0.41	5.92	3.10	3.24	12.27
Disk Bed w/roller	12R-30	MFWD 225	76,000	160	10	0.062	0.90	2.53	1.18	0.60	5.23	3.92	4.66	13.82
Disk Harrow	14'	2WD 130	39,400	180	10	0.140	2.03	3.28	1.53	0.59	7.45	4.05	4.44	15.95
Disk Harrow	24'	MFWD 190	71,900	180	10	0.081	1.18	2.80	1.63	0.62	6.25	4.32	4.86	15.44
Disk Harrow	28'	MFWD 225	74,700	180	10	0.070	1.01	2.84	1.45	0.67	5.99	3.84	5.23	15.08
Disk Harrow	32'		89,300	180	10	0.061	1.10	0.00	1.52	0.00	0.00	4.02	0.00	0.00
Disk Harrow	42'	MFWD 225	145,000	180	10	0.046	0.67	1.89	1.88	0.45	4.91	4.98	3.49	13.38
Ditcher		2WD 130	8,760	200	10	0.020	0.29	0.46	0.07	0.08	0.91	0.11	0.63	1.66
Ditcher (1m/160a)		2WD 130	8,760	200	10	0.009	0.13	0.21	0.03	0.03	0.42	0.05	0.29	0.77
Fert Appl (Liquid)	4R-38	MFWD 150	25,400	150	8	0.154	3.37	4.17	2.61	0.82	10.99	3.67	6.18	20.86
Fert Appl (Liquid)	6R-30	MFWD 170	25,300	150	8	0.130	2.85	4.01	2.20	0.82	9.89	3.10	6.36	19.35
Fert Appl (Liquid)	6R-38	MFWD 170	25,300	150	8	0.103	2.25	3.16	1.74	0.64	7.81	2.44	5.02	15.28
Fert Appl (Liquid)	8R-30	MFWD 190	26,300	150	8	0.098	2.14	3.36	1.72	0.75	7.97	2.41	5.83	16.23
Fert Appl (Liquid)	8R-38	MFWD 190	29,500	150	8	0.077	1.69	2.65	1.52	0.59	6.47	2.14	4.61	13.23
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	32,900	150	8	0.051	1.12	1.76	1.13	0.39	4.42	1.59	3.07	9.09
Fert Appl (Liquid)	10R-30	MFWD 225	18,600	150	8	0.078	1.71	3.18	0.97	0.75	6.63	1.36	5.86	13.86
Fert Appl (Liquid)	10R-38	MFWD 225	20,300	150	8	0.061	1.35	2.51	0.83	0.59	5.29	1.17	4.62	11.10
Fert Appl (Liquid)	12R-30	MFWD 225	30,600	150	8	0.078	1.71	3.18	1.60	0.75	7.25	2.25	5.86	15.37
Fert Appl (Liquid)	12R-38	MFWD 225	31,100	150	8	0.051	1.12	2.09	1.07	0.49	4.79	1.50	3.86	10.15
Field Cultivate	12'	2WD 150	23,000	100	10	0.124	1.80	3.36	0.71	0.53	6.42	3.78	4.00	14.20
Field Cultivate	24'	MFWD 170	38,600	100	10	0.062	0.90	1.90	0.60	0.39	3.80	3.17	3.02	9.99
Field Cultivate	32'	MFWD 190	61,400	100	10	0.046	0.67	1.59	0.71	0.35	3.35	3.78	2.77	9.91
Field Cultivate	42'	MFWD 225	80,900	100	10	0.035	0.51	1.44	0.71	0.34	3.01	3.80	2.65	9.47
Field Cultivate	50'	MFWD 225	82,900	100	10	0.029	0.43	1.21	0.61	0.28	2.55	3.27	2.23	8.05
Gate Installer		2WD 130	2,960	10	10	0.020	0.58	0.46	0.17	0.08	1.31	0.76	0.63	2.70
Grain Drill	12'	2WD 130	51,400	150	8	0.157	4.56	3.68	3.02	0.66	11.94	7.31	4.97	24.23
Grain Drill	15'	MFWD 150	46,800	150	8	0.125	3.65	3.39	2.20	0.67	9.92	5.32	5.03	20.28
Grain Drill	20'	MFWD 170	53,500	150	8	0.094	2.74	2.88	1.89	0.59	8.11	4.56	4.58	17.25
Grain Drill	24'	MFWD 190	80,300	150	8	0.078	2.28	2.68	2.36	0.60	7.94	5.71	4.67	18.32
Grain Drill	30'	MFWD 225	96,600	150	8	0.062	1.82	2.54	2.27	0.60	7.25	5.49	4.69	17.45
Grain Drill & Pre	12'	2WD 130	57,200	150	8	0.169	4.91	3.96	3.62	0.71	13.22	8.76	5.36	27.35
Grain Drill & Pre	15'	MFWD 150	52,600	150	8	0.135	3.93	3.65	2.67	0.72	10.98	6.44	5.41	22.85
Grain Drill & Pre	20'	MFWD 170	59,300	150	8	0.101	2.95	3.10	2.25	0.63	8.95	5.45	4.93	19.33
Grain Drill & Pre	24'	MFWD 190	86,100	150	8	0.084	2.45	2.89	2.73	0.65	8.73	6.59	5.03	20.36
Grain Drill & Pre	30'	MFWD 225	102,000	150	8	0.067	1.96	2.74	2.58	0.65	7.95	6.25	5.05	19.25
Harrow	13'	2WD 130	4,360	200	10	0.119	1.73	2.79	0.18	0.50	5.22	0.34	3.78	9.35
Harrow	21'	2WD 150	6,750	200	10	0.073	1.07	1.99	0.17	0.31	3.56	0.32	2.37	6.27
Harrow	40'	MFWD 190	21,300	200	10	0.038	0.56	1.32	0.28	0.29	2.48	0.54	2.30	5.33
Harrow	47'	MFWD 190	26,000	200	10	0.033	0.48	1.13	0.30	0.25	2.16	0.56	1.96	4.69
Header - Corn	4R-38	240hp	25,147	300	8	0.201	3.60	8.69	1.26	3.38	16.95	2.36	16.20	35.52
Header - Corn	6R30"	240hp	72,300	300	8	0.170	3.05	7.36	3.07	2.86	16.35	5.76	13.72	35.84
Header - Corn	6R38"	240hp	73,500	300	8	0.134	2.41	5.81	2.47	2.26	12.95	4.62	10.83	28.41
Header - Corn	8R-30	240hp	99,100	300	8	0.127	2.29	5.52	3.16	2.14	13.12	5.92	10.29	29.33
Header - Corn	8R-38	275hp	87,300	300	8	0.100	1.81	5.00	2.20	4.86	13.88	4.12	23.31	41.32
Header - Corn	12R-20	275hp	148,000	300	8	0.127	2.29	6.32	4.72	6.15	19.50	8.84	29.49	57.83
Header - Corn	12R-30	275hp	135,000	300	8	0.085	1.52	4.21	2.87	4.10	12.72	5.37	19.66	37.76
Header - Rice (CL)	22' Rigid	240hp	83,200	300	8	0.288	5.17	12.46	5.99	4.85	28.49	11.23	23.24	62.97
Header - Rice (CL)	25' Rigid	240hp	83,200	300	8	0.253	4.55	10.97	5.28	4.27	25.07	9.88	20.45	55.41
Header - Rice (CL)	30' Rigid	275hp	85,600	300	8	0.211	3.79	10.47	4.52	10.20	29.00	8.47	48.85	86.32
Header - Rice (SL)	22' Rigid	240hp	83,200	300	8	0.250	4.48	10.80	5.20	4.20	24.69	9.73	20.14	54.57
Header - Rice (SL)	25' Rigid	240hp	83,200	300	8	0.220	3.94	9.50	4.57	3.70	21.73	8.56	17.72	48.02
Header - Rice (SL)	30' Rigid	275hp	85,600	300	8	0.183	3.28	9.07	3.92	8.84	25.13	7.34	42.33	74.81
Header - Soybean	15' Flex	240hp	0	300	8	0.170	3.05	7.36	0.00	2.86	13.28	0.00	13.72	27.00
Header - Soybean	18' Flex	240hp	41,750	300	8	0.141	2.54	6.13	1.48	2.38	12.54	2.77	11.43	26.75
Header - Soybean	22' Flex	240hp	42,600	300	8	0.116	2.08	5.01	1.23	1.95	10.29	2.31	9.35	21.96
Header - Soybean	25' Flex	275hp	42,000	300	8	0.102	1.83	5.05	1.07	4.92	12.89	2.00	23.59	38.49
Header - Soybean	30' Flex	275hp	48,600	300	8	0.085	1.52	4.21	1.03	4.10	10.88	1.93	19.66	32.48
Header Wheat/Sorghum	18' Rigid	240hp	19,800	300	8	0.141	2.54	6.13	0.70	2.38	11.76	1.31	11.43	24.51
Header Wheat/Sorghum	22' Rigid	240hp	19,800	300	8	0.116	2.08	5.01	0.57	1.95	9.62	1.07	9.35	20.06
Header Wheat/Sorghum	25' Rigid	240hp	41,800	300	8	0.102	1.83	4.41	1.06	1.71	9.03	1.99	8.23	19.26
Header Wheat/Sorghum	30' Rigid	275hp	55,100	300	8	0.085	1.52	4.21	1.17	4.10	11.02	2.19	19.66	32.87
Header-Cotton Bcast	13'	173hp	21,300	200	8	0.251	8.17	7.12	1.00	6.68	22.99	3.76	32.02	58.78
Header-Cotton-Bcast	16'	173hp	23,800	200	8	0.204	6.64	5.78	0.91	5.43	18.77	3.41	26.02	48.22
Header-Cotton-Bcast	19'	173hp	26,200	200	8	0.172	5.59	4.87	0.84	4.57	15.89	3.16	21.91	40.97
Header-Cotton-Brush	4R30"	173hp	20,520	200	8	0.327	10.63	9.25	1.25	8.69	29.84	4.71	41.63	76.19
Header-Cotton-Brush	4R30"2X1	173hp	34,400	200	8	0.218	7.08	6.17	1.40	5.79	20.46	5.27	27.75	53.49
Header-Cotton-Brush	4R38"	173hp	34,000	200	8	0.257	8.37	7.29	1.64	6.84	24.15	6.15	32.78	63.08
Header-Cotton-Brush	4R38"2X1	173hp	36,000	200	8	0.172	5.59	4.87	1.16	4.57	16.20	4.35	21.91	42.47
Header-Cotton-Brush	5R-30	173hp	42,800	200	8	0.261	8.50	7.40	2.10	6.95	24.96	7.86	33.31	66.14
Header-Cotton-Brush	5R-38	173hp	44,300	200	8	0.207	6.72	5.85	1.72	5.50	19.81	6.44	26.35	52.60
Header-Cotton-Brush	6R-30	173hp	52,700	200	8	0.218	7.08	6.17	2.15	5.79	21.21	8.07	27.75	57.04
Heavy Disk	14'	MFWD 150	25,900	180	10	0.145	2.12	3.94	1.05	0.77	7.89	2.77	5.83	16.51

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued)   and direct and fixed cost per acre, Louisiana 2024.

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	1.41	2.97	1.09	0.61	6.10	2.90	4.72	13.73
Heavy Disk	27'	MFWD 190	50,400	180	10	0.075	1.09	2.59	1.05	0.58	5.33	2.80	4.49	12.63
LA Boom Sprayer	30 ft	MFWD 150	3,000	150	10	0.059	0.87	1.62	0.13	0.32	2.94	0.17	2.40	5.52
Land Plane	40'x10'	MFWD 190	6,020	200	10	0.242	3.52	8.30	0.29	1.86	13.98	0.96	14.42	29.38
Land Plane	50'x16'	MFWD 190	13,500	200	10	0.151	2.20	5.19	0.40	1.16	8.96	1.35	9.01	19.33
LARice Backhoe-Rrmnt	2 ft	MFWD 150	6,000	100	10	0.500	7.26	13.51	2.64	2.67	26.08	4.37	20.00	50.46
LARice Land Level	13 ft	MFWD 150	7,500	200	15	0.190	2.76	5.13	0.15	1.01	9.07	0.83	7.60	17.51
LARice Levee Plow	8 ft	4WD 300	4,600	150	10	0.050	0.72	2.70	0.07	0.67	4.18	0.22	5.22	9.62
LARice Water Level	24 ft	4WD 300	3,500	100	15	0.149	2.17	8.10	0.23	2.02	12.53	0.61	15.65	28.80
Levee Splitter (1/80	2 blade	2WD 150	9,220	50	10	0.004	0.06	0.11	0.00	0.01	0.19	0.10	0.13	0.43
Lo-Till & Bed	4R-38	MFWD 190	5,100	150	12	0.145	2.11	4.98	0.26	1.11	8.48	0.61	8.65	17.75
Middle Buster	6R-38	MFWD 150	12,800	160	8	0.120	1.74	3.24	0.36	0.64	5.99	1.39	4.80	12.20
Middle Buster	8R-30	MFWD 190	20,800	160	8	0.114	1.65	3.90	0.55	0.87	7.00	2.15	6.78	15.94
Middle Buster	8R-38	MFWD 190	18,100	160	8	0.090	1.31	3.08	0.38	0.69	5.47	1.48	5.36	12.32
Middle Buster	8R-40 2x1	MFWD 190	29,200	160	8	0.060	0.87	2.05	0.41	0.46	3.80	1.59	3.57	8.96
Middle Buster	10R-30	MFWD 225	29,300	160	8	0.091	1.32	3.70	0.62	0.88	6.53	2.42	6.82	15.78
Middle Buster	10R-38	MFWD 225	32,100	160	8	0.072	1.04	2.92	0.54	0.69	5.20	2.09	5.38	12.68
Middle Buster	12R-38	MFWD 225	29,200	160	8	0.060	0.87	2.43	0.41	0.58	4.30	1.59	4.48	10.38
Module Builder-1st	2R-38(157)	MFWD 190	31,300	200	10	0.519	15.10	17.78	4.06	3.99	40.94	10.47	30.89	82.32
Module Builder-1st	4R-30(255)	MFWD 190	34,700	200	10	0.327	9.51	11.20	2.84	2.51	26.07	7.31	19.46	52.85
Module Builder-1st	4R-30(325)	MFWD 190	34,700	200	10	0.327	9.51	11.20	2.84	2.51	26.07	7.31	19.46	52.85
Module Builder-1st	4R-38(255)	MFWD 190	34,700	200	10	0.257	7.49	8.82	2.23	1.98	20.53	5.76	15.32	41.62
Module Builder-1st	4R-38(325)	MFWD 190	34,700	200	10	0.257	7.49	8.82	2.23	1.98	20.53	5.76	15.32	41.62
Module Builder-1st	4R2x1260hp	MFWD 190	34,700	200	10	0.172	5.00	5.89	1.49	1.32	13.72	3.85	10.24	27.81
Module Builder-1st	5R-30(255)	MFWD 190	34,700	200	10	0.261	7.61	8.96	2.27	2.01	20.86	5.85	15.57	42.28
Module Builder-1st	5R-38(255)	MFWD 190	34,700	200	10	0.207	6.02	7.09	1.79	1.59	16.50	4.63	12.31	33.45
Module Builder-1st	6R-30(325)	MFWD 190	34,700	200	10	0.218	6.34	7.47	1.89	1.67	17.38	4.87	12.97	35.23
Module Builder-1st	6R-38(325)	MFWD 190	34,700	200	10	0.172	5.00	5.89	1.49	1.32	13.72	3.85	10.24	27.81
Module Builder-2nd	2R-38(157)	MFWD 190	34,700	200	10	0.440	12.79	15.06	3.81	3.38	35.06	9.83	26.17	71.06
Module Builder-2nd	4R-30(255)	MFWD 190	34,700	200	10	0.277	8.05	9.49	2.40	2.13	22.08	6.19	16.48	44.77
Module Builder-2nd	4R-30(325)	MFWD 190	34,700	200	10	0.277	8.05	9.49	2.40	2.13	22.08	6.19	16.48	44.77
Module Builder-2nd	4R-38(255)	MFWD 190	34,700	200	10	0.218	6.34	7.47	1.89	1.67	17.39	4.88	12.98	35.25
Module Builder-2nd	4R-38(325)	MFWD 190	34,700	200	10	0.218	6.34	7.47	1.89	1.67	17.39	4.88	12.98	35.25
Module Builder-2nd	4R2x1 255	MFWD 190	34,700	200	10	0.145	4.24	4.99	1.26	1.12	11.62	3.26	8.67	23.56
Module Builder-2nd	5R-30(255)	MFWD 190	34,700	200	10	0.221	6.44	7.59	1.92	1.70	17.67	4.95	13.19	35.81
Module Builder-2nd	5R-38(255)	MFWD 190	34,700	200	10	0.175	5.10	6.00	1.52	1.34	13.97	3.92	10.43	28.33
Module Builder-2nd	6R-30(325)	MFWD 190	34,700	200	10	0.184	5.37	6.32	1.60	1.42	14.72	4.13	10.99	29.84
Module Builder-2nd	6R-38(325)	MFWD 190	34,700	200	10	0.145	4.24	4.99	1.26	1.12	11.62	3.26	8.67	23.56
Module Builder-Strip	13' Bcast	MFWD 150	34,700	200	10	0.251	7.31	6.80	2.18	1.34	17.65	5.62	10.07	33.35
Module Builder-Strip	16' Bcast	MFWD 150	34,700	200	10	0.204	5.94	5.52	1.77	1.09	14.34	4.57	8.18	27.10
Module Builder-Strip	19' Brush	MFWD 150	34,700	200	10	0.172	5.00	4.65	1.49	0.92	12.07	3.85	6.89	22.82
Module Builder-Strip	4R-30	MFWD 150	34,700	200	10	0.327	9.51	8.84	2.84	1.74	22.94	7.31	13.09	43.36
Module Builder-Strip	4R-30 2X1	MFWD 150	34,700	200	10	0.218	6.34	5.89	1.89	1.16	15.29	4.87	8.73	28.91
Module Builder-Strip	4R-38	MFWD 150	34,700	200	10	0.257	7.49	6.96	2.23	1.37	18.07	5.76	10.31	34.14
Module Builder-Strip	4R-38 2X1	MFWD 150	34,700	200	10	0.172	5.00	4.65	1.49	0.92	12.07	3.85	6.89	22.82
Module Builder-Strip	5R-30	MFWD 150	34,700	200	10	0.261	7.61	7.07	2.27	1.39	18.35	5.85	10.47	34.69
Module Builder-Strip	5R-38	MFWD 150	34,700	200	10	0.207	6.02	5.59	1.79	1.10	14.52	4.63	8.29	27.44
Module Builder-Strip	6R-30	MFWD 150	34,700	200	10	0.218	6.34	5.89	1.89	1.16	15.29	4.87	8.73	28.91
Mulcher Plow	30'	MFWD 225	0	100	10	0.068	0.98	2.76	0.00	0.65	4.40	0.00	5.08	9.49
NT Grain Drill	12'	2WD 130	57,200	150	8	0.163	4.75	3.83	3.51	0.69	12.79	8.47	5.18	26.45
NT Grain Drill	15'	MFWD 150	73,300	150	8	0.130	3.80	3.53	3.59	0.69	11.64	8.68	5.23	25.57
NT Grain Drill	20'	MFWD 170	98,900	150	8	0.098	2.85	3.00	3.64	0.61	10.12	8.79	4.77	23.68
NT Grain Drill	24'	MFWD 190	111,300	150	8	0.081	2.37	2.80	3.41	0.62	9.22	8.24	4.86	22.33
NT Grain Drill	30'	MFWD 225	110,200	150	8	0.065	1.90	2.65	2.70	0.63	7.89	6.53	4.88	19.31
NT Grain Drill & Pre	12'	2WD 130	63,000	150	8	0.176	5.12	4.12	4.16	0.74	14.16	10.05	5.58	29.80
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

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2024.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------------------$/acre---------------------							
NT Plant&Pre-Rigid	4R-30	2WD 130	41,900	150	8	0.211	6.14	4.95	3.32	0.89	15.32	8.02	6.70	30.04
NT Plant&Pre-Rigid	4R-38	2WD 130	37,500	150	8	0.166	4.84	3.90	2.34	0.70	11.78	5.65	5.27	22.71
NT Plant&Pre-Rigid	6R-30	MFWD 150	50,800	150	8	0.141	4.09	3.81	2.68	0.75	11.34	6.48	5.64	23.47
NT Plant&Pre-Rigid	6R-38	MFWD 150	49,500	150	8	0.111	3.23	3.00	2.06	0.59	8.90	4.98	4.45	18.34
NT Plant&Pre-Rigid	8R-22	MFWD 170	26,219	150	8	0.143	4.18	4.40	1.41	0.90	10.90	3.41	6.99	21.31
NT Plant&Pre-Rigid	8R-30	MFWD 170	65,200	150	8	0.105	3.07	3.23	2.58	0.66	9.56	6.24	5.13	20.94
NT Plant&Pre-Rigid	8R-38	MFWD 170	62,300	150	8	0.077	2.24	2.36	1.80	0.48	6.89	4.35	3.74	14.99
NT Plant&Pre-Rigid	10R-30	MFWD 190	51,900	150	8	0.084	2.45	2.89	1.64	0.65	7.65	3.97	5.03	16.65
NT Plant&Pre-Rigid	12R-20	MFWD 190	66,600	150	8	0.105	3.07	3.62	2.64	0.81	10.14	6.37	6.28	22.81
NT Plant&Pre-Rigid	12R-30	MFWD 190	100,400	150	8	0.070	2.04	2.41	2.65	0.54	7.65	6.40	4.19	18.26
NT Plant-Folding	8R-38	MFWD 170	77,700	150	8	0.077	2.25	2.37	2.26	0.48	7.38	5.46	3.77	16.61
NT Plant-Folding	8R-38 2x1	MFWD 170	109,000	150	8	0.051	1.50	1.58	2.11	0.32	5.52	5.10	2.51	13.13
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	2.28	2.68	1.53	0.60	7.11	3.70	4.67	15.48
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.80	2.12	1.10	0.47	5.50	2.67	3.68	11.86
NT Plant-Folding	12R-20	MFWD 190	77,500	150	8	0.098	2.85	3.36	2.85	0.75	9.82	6.89	5.83	22.55
NT Plant-Folding	12R-30	MFWD 190	97,600	150	8	0.065	1.90	2.24	2.39	0.50	7.04	5.78	3.89	16.72
NT Plant-Folding	12R-38	MFWD 190	109,000	150	8	0.051	1.50	1.76	2.11	0.39	5.78	5.10	3.07	13.95
NT Plant-Folding	16R-30	MFWD 190	182,000	150	8	0.049	1.42	1.68	3.35	0.37	6.83	8.09	2.91	17.84
NT Plant-Folding	23R-15	MFWD 190	207,000	150	8	0.068	1.98	2.33	5.29	0.52	10.13	12.77	4.05	26.97
NT Plant-Folding	24R-20	MFWD 190	244,000	150	8	0.049	1.42	1.68	4.49	0.37	7.97	10.84	2.91	21.74
NT Plant-Folding	24R-30	MFWD 190	208,000	150	8	0.032	0.95	1.12	2.55	0.25	4.87	6.16	1.94	12.98
Plant - Rigid	4R-30	2WD 130	32,000	150	8	0.188	5.47	4.41	2.26	0.79	12.95	5.46	5.97	24.39
Plant - Rigid	4R-38	2WD 130	27,600	150	8	0.148	4.31	3.47	1.53	0.62	9.95	3.70	4.70	18.37
Plant - Rigid	6R-30	MFWD 150	38,900	150	8	0.125	3.65	3.39	1.83	0.67	9.55	4.42	5.03	19.01
Plant - Rigid	6R-38	MFWD 150	37,500	150	8	0.099	2.88	2.68	1.39	0.53	7.49	3.36	3.97	14.83
Plant - Rigid	8R-22	MFWD 170	18,473	150	8	0.127	3.71	3.91	0.88	0.80	9.32	2.13	6.21	17.67
Plant - Rigid	8R-30	MFWD 170	51,300	150	8	0.094	2.73	2.88	1.81	0.59	8.03	4.37	4.58	16.99
Plant - Rigid	8R-38	MFWD 170	48,400	150	8	0.074	2.16	2.28	1.35	0.46	6.26	3.26	3.62	13.15
Plant - Rigid	10R-30	MFWD 190	40,700	150	8	0.075	2.19	2.58	1.15	0.57	6.50	2.77	4.48	13.76
Plant - Rigid	12R-20	MFWD 190	60,700	150	8	0.094	2.73	3.22	2.14	0.72	8.83	5.18	5.60	19.62
Plant - Rigid	12R-30	MFWD 190	77,800	150	8	0.062	1.82	2.15	1.83	0.48	6.29	4.42	3.73	14.45
Plant - Rigid	15R-15	2WD 150	71,200	150	8	0.094	2.73	2.54	2.51	0.40	8.21	6.07	3.03	17.32
Pull Levee (1m/80a))	4 blade	2WD 50	3,180	100	10	0.003	0.05	0.03	0.00	0.00	0.08	0.01	0.02	0.12
Rice Grain Cart	500 Bu	MFWD 190	35,100	200	12	0.057	0.82	1.95	0.54	0.43	3.76	1.21	3.39	8.37
Rice Grain Cart	700 Bu	MFWD 190	54,400	200	12	0.063	0.92	2.17	0.93	0.48	4.51	2.08	3.77	10.37
Roller	32'	MFWD 170	22,800	100	12	0.046	0.67	1.42	0.17	0.29	2.57	1.28	2.26	6.12
Rotary Cutter	7'	MFWD 130	6,580	185	10	0.168	2.44	3.94	0.89	0.89	8.18	0.79	6.73	15.71
Rotary Cutter	12'	2WD 150	20,200	185	10	0.098	1.42	2.65	1.60	0.42	6.11	1.41	3.15	10.68
Rotary Cutter	15'	MFWD 150	27,300	185	10	0.078	1.14	2.12	1.73	0.41	5.42	1.53	3.14	10.10
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 (Plant)	13'	2WD 130	7,120	100	10	0.157	2.28	3.68	0.27	0.66	6.90	1.47	4.97	13.36
Row Cond (Plant)	21'	2WD 170	11,700	100	10	0.097	1.41	2.97	0.28	0.50	5.18	1.50	3.90	10.59
Row Cond (Plant)	27'	MFWD 190	12,400	100	10	0.078	1.14	2.69	0.24	0.60	4.67	1.28	4.67	10.64
Row Cond (Plant)	38'	MFWD 225	16,587	100	10	0.053	0.78	2.17	0.22	0.51	3.70	1.17	4.01	8.89
Row Cond (Plant)	42'	MFWD 225	15,582	100	10	0.048	0.70	1.97	0.18	0.46	3.33	1.00	3.63	7.97
RT Cult (Early)	8R-30	2WD 170	20,774	200	12	0.103	1.49	3.15	1.02	0.53	6.21	1.32	4.13	11.67
RT Cult (Early)	12R-30	2WD 190	29,998	200	12	0.068	0.99	2.35	0.98	0.30	4.64	1.27	2.37	8.29
RT Cult (Late)	8R-30	2WD 170	20,774	200	12	0.128	1.87	3.94	1.28	0.66	7.77	1.65	5.17	14.59
RT Cult (Late)	12R-30	2WD 190	29,998	200	12	0.085	1.24	2.94	1.23	0.38	5.80	1.59	2.97	10.37
RT Cult + PD (Early)	8R-30	2WD 150	20,774	200	12	0.110	2.39	2.97	1.09	0.47	6.93	1.40	3.53	11.88
RT Cult + PD (Early)	12R-30	MFWD 225	29,998	200	12	0.073	1.59	2.97	1.05	0.70	6.33	1.35	5.47	13.16
RT Cult + PD (Late)	8R-30	2WD 170	26,264	200	12	0.137	2.99	4.21	1.73	0.71	9.65	2.22	5.51	17.39
RT Cult + PD (Late)	12R-30	2WD 190	35,493	200	12	0.091	1.99	3.13	1.55	0.40	7.10	2.00	3.16	12.27
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.22	1.44	0.34	0.32	3.33	0.85	2.50	6.69
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.22	1.44	0.34	0.32	3.33	0.85	2.50	6.69
Spray (Band)	27'	MFWD 170	5,810	200	8	0.062	1.36	1.91	0.17	0.39	3.85	0.25	3.04	7.15
Spray (Band)	40'	MFWD 170	10,350	200	8	0.042	0.92	1.29	0.20	0.26	2.68	0.30	2.05	5.05
Spray (Band)	50'	MFWD 170	9,670	200	8	0.033	0.73	1.03	0.15	0.21	2.14	0.22	1.64	4.01
Spray (Band)	53'	MFWD 170	9,940	200	8	0.031	0.69	0.97	0.14	0.20	2.02	0.22	1.55	3.79
Spray (Band)	60'	MFWD 170	18,600	200	8	0.028	0.61	0.86	0.24	0.17	1.90	0.36	1.37	3.64
Spray (Bcast/HB)	13' Rigid	MFWD 150	8,890	200	8	0.130	2.83	3.51	0.54	0.69	7.59	0.81	5.20	13.61
Spray (Bcast/HB)	20' Rigid	2WD 50	10,400	200	8	0.084	1.84	0.76	0.41	0.07	3.09	0.61	0.55	4.26
Spray (Bcast/HB)	27' Fold	MFWD 170	13,000	200	8	0.062	1.36	1.91	0.38	0.39	4.06	0.57	3.04	7.67
Spray (Bcast/HB)	27' Rigid	MFWD 170	12,200	200	8	0.062	1.36	1.91	0.35	0.39	4.03	0.53	3.04	7.61
Spray (Bcast/HB)	30' Fold	MFWD 170	18,700	200	8	0.056	1.22	1.72	0.49	0.35	3.80	0.74	2.74	7.28
Spray (Bcast/HB)	40' Fold	MFWD 170	22,600	200	8	0.042	0.92	1.29	0.44	0.26	2.93	0.67	2.05	5.65
Spray (Bcast/HB/HD)	27'	MFWD 170	13,000	200	8	0.062	1.36	1.91	0.38	0.39	4.06	0.57	3.04	7.67
Spray (Bcast/HB/HD)	40'	MFWD 170	22,600	200	8	0.042	0.92	1.29	0.44	0.26	2.93	0.67	2.05	5.65
Spray (Broadcast)	27'	MFWD 170	5,810	200	8	0.062	1.36	1.91	0.17	0.39	3.85	0.25	3.04	7.15
Spray (Broadcast)	40'	MFWD 170	10,350	200	8	0.042	0.92	1.29	0.20	0.26	2.68	0.30	2.05	5.05
Spray (Broadcast)	50'	MFWD 170	9,670	200	8	0.033	0.73	1.03	0.15	0.21	2.14	0.22	1.64	4.01
Spray (Broadcast)	53'	MFWD 170	9,940	200	8	0.031	0.69	0.97	0.14	0.20	2.02	0.22	1.55	3.79
Spray (Broadcast)	60'	MFWD 170	18,600	200	8	0.028	0.61	0.86	0.24	0.17	1.90	0.36	1.37	3.64
Spray (Direct/Hood)	8R-30	MFWD 170	19,000	200	8	0.084	1.84	2.59	0.75	0.53	5.72	1.12	4.11	10.96
Spray (Direct/Hood)	8R-38	MFWD 170	19,800	200	8	0.066	1.45	2.04	0.62	0.42	4.54	0.92	3.24	8.72
Spray (Direct/Hood)	12R-30	MFWD 170	26,100	200	8	0.056	1.22	1.72	0.69	0.35	4.00	1.03	2.74	7.77

Appendix Table 6. Implements: estimated purchase price, annual use, useful life, performance rate,
(Continued) and direct and fixed cost per acre, Louisiana 2024.

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	----------------------$/acre							---------------------
Spray (Direct/Hood)	12R-38	MFWD 170	26,100	200	8	0.044	0.97	1.36	0.54	0.27	3.15	0.81	2.16	6.13
Spray (Direct/Layby)	8R-30	MFWD 170	19,500	200	8	0.084	1.84	2.59	0.77	0.53	5.74	1.15	4.11	11.01
Spray (Direct/Layby)	8R-38	MFWD 170	19,500	200	8	0.066	1.45	2.04	0.61	0.42	4.53	0.91	3.24	8.70
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	29,500	200	8	0.044	0.97	1.36	0.61	0.27	3.22	0.92	2.16	6.31
Spray (Direct/Layby)	10R-30	MFWD 170	12,200	200	8	0.067	1.47	2.07	0.38	0.42	4.36	0.57	3.28	8.22
Spray (Direct/Layby)	12R-30	MFWD 170	29,500	200	8	0.056	1.22	1.72	0.78	0.35	4.09	1.16	2.74	8.00
Spray (Direct/Layby)	12R-38	MFWD 170	29,500	200	8	0.044	0.97	1.36	0.61	0.27	3.22	0.92	2.16	6.31
Spray (Direct/Layby)	16R-20	MFWD 170	34,600	200	8	0.063	1.38	1.94	1.02	0.39	4.74	1.53	3.07	9.36
Spray (Spot)	27'	MFWD 170	5,810	200	8	0.062	1.36	1.91	0.17	0.39	3.85	0.25	3.04	7.15
Spray (Spot)	40'	MFWD 170	10,350	200	8	0.042	0.92	1.29	0.20	0.26	2.68	0.30	2.05	5.05
Spray (Spot)	50'	MFWD 170	9,670	200	8	0.033	0.73	1.03	0.15	0.21	2.14	0.22	1.64	4.01
Spray (Spot)	53'	MFWD 170	10,100	200	8	0.031	0.69	0.97	0.15	0.20	2.02	0.22	1.55	3.80
Spray (Spot)	60'	MFWD 170	18,600	200	8	0.028	0.61	0.86	0.24	0.17	1.90	0.36	1.37	3.64
Stalk Shredder	14'	MFWD 150	36,300	200	10	0.117	1.71	3.18	3.74	0.62	9.27	2.82	4.71	16.81
Stalk Shredder	20'	MFWD 150	36,300	200	10	0.082	1.19	2.22	2.62	0.44	6.48	1.97	3.30	11.76
Stalk Shredder-Flail	12'	MFWD 150	30,000	200	10	0.137	1.99	3.71	3.60	0.73	10.05	2.72	5.50	18.28
Stalk Shredder-Flail	20'	MFWD 150	43,900	200	10	0.082	1.19	2.22	3.16	0.44	7.03	2.39	3.30	12.73
Subsoiler	3 shank	MFWD 190	5,690	100	15	0.204	2.96	6.99	0.38	1.57	11.92	1.27	12.14	25.34
Subsoiler	4 shank	MFWD 225	14,800	100	15	0.153	2.23	6.22	0.75	1.48	10.70	2.49	11.47	24.67
Subsoiler	5 shank	MFWD 225	18,300	100	15	0.122	1.77	4.95	0.74	1.18	8.66	2.45	9.13	20.26
Subsoiler low-till	4 shank	MFWD 225	9,830	100	15	0.153	2.23	6.22	0.50	1.48	10.44	1.65	11.47	23.57
Subsoiler low-till	6 shank	MFWD 225	26,600	100	15	0.102	1.48	4.14	0.90	0.98	7.51	2.98	7.63	18.13
Subsoiler low-till	8 shank	MFWD 225	25,700	100	15	0.076	1.11	3.10	0.65	0.73	5.60	2.15	5.71	13.48
TerraTill Bed w/roll	4R-38	MFWD 225	14,300	150	12	0.160	2.33	6.52	0.83	1.55	11.24	1.85	12.01	25.11
TerraTill Bed w/roll	6R-38	MFWD 225	19,400	150	12	0.107	1.56	4.35	0.75	1.03	7.71	1.68	8.03	17.42
TerraTill Bed w/roll	4R-30	MFWD 225	14,300	150	12	0.204	2.96	8.28	1.05	1.97	14.27	2.35	15.25	31.89
TerraTill Bed w/roll	6R-30	MFWD 225	15,310	150	12	0.136	1.97	5.52	0.75	1.31	9.56	1.67	10.17	21.42