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

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Introduction

This publication presents estimates of projected costs and returns for corn 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
Corn, RR, 8-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	4.0000	32.44	_________
App by Air (3 gal)	appl	6.87	1.0000	6.87	_________
GIN/DRY					
Dry Corn	bu	0.19	160.0000	30.40	_________
FERTILIZERS					
LA Phosphate	lb	0.75	30.0000	22.50	_________
LA Potash	lb	0.43	60.0000	25.80	_________
LA Nitrogen	lb	0.59	180.0000	106.20	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.03	2.0000	8.06	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	2.75	5.0000	13.75	_________
Select 2EC	oz	0.94	6.0000	5.64	_________
INSECTICIDES					
Karate Z	oz	1.41	2.1300	3.00	_________
Intrepid 2F	oz	1.99	6.0000	11.94	_________
Baythroid 2	oz	2.58	2.1300	5.50	_________
SEED/PLANTS					
Corn Seed RR	thous	4.26	32.0000	136.32	_________
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 Corn	bu	0.23	160.0000	36.80	_________
OPERATOR LABOR					
Harvesters	hour	17.94	0.1344	2.41	_________
LA Hired Labor					
Implements	hour	14.53	0.1611	2.34	_________
Tractors	hour	14.53	0.5819	8.47	_________
DIESEL FUEL					
Tractors	gal	3.50	5.3318	18.67	_________
Harvesters	gal	3.50	1.6602	5.81	_________
REPAIR & MAINTENANCE					
Implements	Acre	11.72	1.0000	11.72	_________
Tractors	Acre	4.01	1.0000	4.01	_________
Harvesters	Acre	2.26	1.0000	2.26	_________
INTEREST ON OP. CAP.	Acre	24.98	1.0000	24.98	_________

TOTAL DIRECT EXPENSES				579.26	_________
FIXED EXPENSES					
Implements	Acre	21.85	1.0000	21.85	_________
Tractors	Acre	31.02	1.0000	31.02	_________
Harvesters	Acre	10.83	1.0000	10.83	_________

TOTAL FIXED EXPENSES				63.70	_________

TOTAL SPECIFIED EXPENSES				642.96	_________

Table 1.B Estimated resource use and costs for field operations, per Acre
Corn, RR, 8-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, 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	Sep							0.3300	65.00	21.45	21.45
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.76	2.50	0.34	0.86	0.08	1.22				6.68
LA Phosphate	lb											30.0000	0.75	22.50	22.50
LA Potash	lb											60.0000	0.43	25.80	25.80
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.52	5.24	1.46	3.85	0.07	1.02				15.09
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
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	Feb							1.0000	8.11	8.11	8.11
Glyphosate Plus 4L	pt											2.0000	4.03	8.06	8.06
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Roller	32'	MFWD 170	0.046	1.00	Mar	1.72	2.27	0.18	1.29	0.04	0.68				6.14
Plant & Pre Rigid	8R-38	MFWD 170	0.080	1.00	Mar	2.96	3.90	1.63	3.94	0.16	2.34				14.77
Corn Seed RR	thous											32.0000	4.26	136.32	136.32
LA Nitrogen	lb											30.0000	0.59	17.70	17.70
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr	3.26	4.62	1.53	2.14	0.11	1.69				13.24
LA Nitrogen	lb											150.0000	0.59	88.50	88.50
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	2.75	8.25	8.25
Karate Z	oz											2.1300	1.41	3.00	3.00
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	2.75	5.50	5.50
Intrepid 2F	oz											6.0000	1.99	11.94	11.94
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.87	6.87	6.87
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	6R38"	240hp	0.134	1.00	Aug	8.07	10.83	2.47	4.62	0.13	2.41				28.40
Dry Corn	bu											160.0000	0.19	30.40	30.40
Haul Corn	bu			1.00	Aug							160.0000	0.23	36.80	36.80
Stalk Shredder-Flail	20'	MFWD 150	0.082	1.00	Sep	2.67	3.30	3.17	2.39	0.08	1.20				12.73
Digital Ag Fee	acre			1.00	Sep							1.0000	10.00	10.00	10.00
Soil Test	acre											0.3300	10.00	3.30	3.30
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.94	5.64	5.64
TOTALS						30.75	41.85	11.72	21.85	0.87	13.22			498.59	617.98
INTEREST ON OPERATING CAPITAL															24.98
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															642.96

Table 1.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Corn, RR, 8-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.55	2.70	2.88	3.08	3.33	3.62	3.97	4.41	4.98	5.74	6.80
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-340	-327	-313	-297	-278	-255	-226	-191	-145	-85	0
			-403	-391	-377	-361	-341	-318	-290	-255	-209	-148	-63
60	96.00	bu	-306	-291	-274	-255	-231	-204	-170	-127	-72	0	102
			-369	-355	-338	-318	-295	-267	-233	-191	-136	-63	38
70	112.00	bu	-272	-255	-235	-212	-185	-153	-113	-63	0	85	204
			-335	-318	-299	-276	-249	-216	-177	-127	-63	21	140
80	128.00	bu	-238	-218	-196	-170	-139	-102	-56	0	72	170	306
			-301	-282	-259	-233	-202	-165	-120	-63	9	106	242
90	144.00	bu	-204	-182	-156	-127	-92	-51	0	63	145	255	408
			-267	-245	-220	-191	-156	-114	-63	0	82	191	344
100	160.00	bu	-170	-145	-117	-85	-46	0	56	127	218	340	510
			-233	-209	-181	-148	-110	-63	-7	63	154	276	446
110	176.00	bu	-136	-109	-78	-42	0	51	113	191	291	425	612
			-199	-173	-142	-106	-63	-12	49	127	227	361	548
120	192.00	bu	-102	-72	-39	0	46	102	170	255	364	510	714
			-165	-136	-102	-63	-17	38	106	191	300	446	650
130	208.00	bu	-68	-36	0	42	92	153	226	318	437	595	816
			-131	-100	-63	-21	29	89	163	255	373	531	752
140	224.00	bu	-34	0	39	85	139	204	283	382	510	680	918
			-97	-63	-24	21	75	140	219	318	446	616	854
150	240.00	bu	0	36	78	127	185	255	340	446	583	765	1020
			-63	-27	14	63	121	191	276	382	519	701	956

The top number in each cell is Returns Above Direct Expenses.
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
Corn, RR, 8-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.82	2.99	3.19	3.42	3.69	4.01	4.41	4.91	5.55	6.40	7.60
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-318	-305	-289	-271	-249	-223	-191	-151	-100	-31	63
			-382	-368	-353	-334	-313	-286	-255	-215	-163	-95	0
60	96.00	bu	-280	-264	-245	-223	-197	-165	-127	-79	-18	63	178
			-344	-327	-309	-286	-260	-229	-191	-143	-81	0	114
70	112.00	bu	-242	-223	-201	-175	-144	-108	-63	-8	63	159	293
			-306	-286	-264	-239	-208	-172	-127	-71	0	95	229
80	128.00	bu	-204	-182	-157	-127	-92	-51	-0	63	145	255	408
			-267	-245	-220	-191	-156	-114	-63	0	81	191	344
90	144.00	bu	-165	-141	-112	-79	-40	6	63	135	227	350	522
			-229	-204	-176	-143	-104	-57	0	71	163	286	459
100	160.00	bu	-127	-100	-68	-31	11	63	127	207	309	446	637
			-191	-163	-132	-95	-52	0	63	143	245	382	573
110	176.00	bu	-89	-59	-24	15	63	121	191	278	391	541	752
			-153	-122	-88	-47	0	57	127	215	327	478	688
120	192.00	bu	-51	-18	19	63	115	178	255	350	473	637	867
			-114	-81	-44	0	52	114	191	286	409	573	803
130	208.00	bu	-12	22	63	111	168	235	318	422	555	733	981
			-76	-40	0	47	104	172	255	358	491	669	918
140	224.00	bu	25	63	107	159	220	293	382	494	637	828	1096
			-38	0	44	95	156	229	318	430	573	765	1033
150	240.00	bu	63	104	151	207	272	350	446	565	719	924	1211
			0	40	88	143	208	286	382	502	655	860	1147

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
Corn, RR, 8-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	4.0000	32.44	________
App by Air (3 gal)	appl	6.87	1.0000	6.87	________
GIN/DRY					
Dry Corn	bu	0.19	190.0000	36.10	________
FERTILIZERS					
LA Phosphate	lb	0.75	30.0000	22.50	________
LA Potash	lb	0.43	60.0000	25.80	________
LA Nitrogen	lb	0.59	210.0000	123.90	________
HERBICIDES					
Glyphosate Plus 4L	pt	4.03	2.0000	8.06	________
2,4-D Amine 4	pt	2.88	1.0000	2.88	________
Valor WP	oz	3.20	1.0000	3.20	________
Roundup WeatherMax	oz	0.19	66.0000	12.54	________
Atrazine 4L	pt	2.75	5.0000	13.75	________
Select 2EC	oz	0.94	6.0000	5.64	________
INSECTICIDES					
Karate Z	oz	1.41	2.1300	3.00	________
Baythroid 2	oz	2.58	2.1300	5.50	________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	________
SEED/PLANTS					
Corn Seed RR	thous	4.26	35.0000	149.10	________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.3300	13.30	________
Soil Test	acre	10.00	0.1089	1.09	________
CUSTOM HARVEST/HAUL					
Haul Corn	bu	0.23	190.0000	43.70	________
OPERATOR LABOR					
Harvesters	hour	17.94	0.1344	2.41	________
IRRIGATION LABOR					
Implements	hour	14.53	0.0062	0.09	________
LA Hired Labor					
Implements	hour	14.53	0.1611	2.34	________
Tractors	hour	14.53	0.8812	12.83	________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	________
DIESEL FUEL					
Tractors	gal	3.50	8.2204	28.78	________
Harvesters	gal	3.50	1.6602	5.81	________
Roll-Out Pipe Irr.	gal	3.50	8.5535	29.94	________
REPAIR & MAINTENANCE					
Implements	Acre	12.24	1.0000	12.24	________
Tractors	Acre	6.27	1.0000	6.27	________
Harvesters	Acre	2.26	1.0000	2.26	________
Roll-Out Pipe Irr.	Acre	7.16	1.0000	7.16	________
INTEREST ON OP. CAP.	Acre	27.89	1.0000	27.89	________

TOTAL DIRECT EXPENSES				657.48	________
FIXED EXPENSES					
Implements	Acre	23.56	1.0000	23.56	________
Tractors	Acre	48.47	1.0000	48.47	________
Harvesters	Acre	10.83	1.0000	10.83	________
Roll-Out Pipe Irr.	Acre	68.61	1.0000	68.61	________

TOTAL FIXED EXPENSES				151.47	________

TOTAL SPECIFIED EXPENSES				808.95	________

Table 2.B Estimated resource use and costs for field operations, per Acre
Corn, RR, 8-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, 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---------		
Digital Ag Fee	acre			0.33	Sep							0.3300	10.00	3.30	3.30
Soil Test	acre											0.1089	10.00	1.09	1.09
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.76	2.50	0.34	0.86	0.08	1.22				6.68
LA Phosphate	lb											30.0000	0.75	22.50	22.50
LA Potash	lb											60.0000	0.43	25.80	25.80
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.52	5.24	1.46	3.85	0.07	1.02				15.09
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
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	Feb							1.0000	8.11	8.11	8.11
Glyphosate Plus 4L	pt											2.0000	4.03	8.06	8.06
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Roller	32'	MFWD 170	0.046	1.00	Mar	1.72	2.27	0.18	1.29	0.04	0.68				6.14
Plant & Pre Rigid	8R-38	MFWD 170	0.080	1.00	Mar	2.96	3.90	1.63	3.94	0.16	2.34				14.77
Corn Seed RR	thous											35.0000	4.26	149.10	149.10
LA Nitrogen	lb											30.0000	0.59	17.70	17.70
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr	3.26	4.62	1.53	2.14	0.11	1.69				13.24
LA Nitrogen	lb											180.0000	0.59	106.20	106.20
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	2.75	8.25	8.25
Karate Z	oz											2.1300	1.41	3.00	3.00
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	2.75	5.50	5.50
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.87	6.87	6.87
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	6R38"	240hp	0.134	1.00	Aug	8.07	10.83	2.47	4.62	0.13	2.41				28.40
Dry Corn	bu											190.0000	0.19	36.10	36.10
Corn Grain Cart 8R40	700bu	MFWD 190	0.025	0.25	Aug	0.26	0.37	0.09	0.19	0.00	0.09				1.00
Haul Corn	bu			1.00	Aug							190.0000	0.23	43.70	43.70
Stalk Shredder-Flail	20'	MFWD 150	0.082	1.00	Sep	2.67	3.30	3.17	2.39	0.08	1.20				12.73
Digital Ag Fee	acre			1.00	Sep							1.0000	10.00	10.00	10.00
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.94	5.64	5.64
Roll-Out Pipe Irr.	Acre				Jul	12.11	17.08	37.53	70.13	0.44	6.53	1.0000		7.92	151.30
TOTALS						43.12	59.30	49.34	92.17	1.33	19.84			517.29	781.06
INTEREST ON OPERATING CAPITAL															27.89
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															808.95

Table 2.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Corn, RR, 8-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

Corn			BREAKEVEN PRICE										
			2.45	2.59	2.76	2.95	3.18	3.46	3.79	4.21	4.75	5.47	6.48
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-383	-369	-354	-335	-313	-287	-255	-215	-164	-95	0
			-535	-521	-505	-487	-465	-439	-407	-367	-315	-247	-151
60	114.00	bu	-345	-328	-309	-287	-261	-230	-191	-143	-82	0	115
			-496	-480	-461	-439	-413	-381	-343	-295	-233	-151	-36
70	133.00	bu	-306	-287	-265	-239	-209	-172	-127	-71	0	95	230
			-458	-439	-417	-391	-360	-324	-279	-223	-151	-55	78
80	152.00	bu	-268	-246	-221	-191	-156	-115	-63	0	82	191	345
			-420	-398	-372	-343	-308	-266	-215	-151	-69	40	193
90	171.00	bu	-230	-205	-177	-143	-104	-57	0	71	164	287	460
			-381	-357	-328	-295	-256	-209	-151	-79	12	136	308
100	190.00	bu	-191	-164	-132	-95	-52	0	63	143	246	383	575
			-343	-315	-284	-247	-203	-151	-87	-7	95	232	424
110	209.00	bu	-153	-123	-88	-47	0	57	127	215	328	479	690
			-304	-274	-240	-199	-151	-93	-23	64	177	328	539
120	228.00	bu	-115	-82	-44	0	52	115	191	287	411	575	805
			-266	-233	-195	-151	-99	-36	40	136	259	424	654
130	247.00	bu	-76	-41	0	47	104	172	255	359	493	671	920
			-228	-192	-151	-103	-46	21	104	208	341	519	769
140	266.00	bu	-38	0	44	95	156	230	319	431	575	767	1035
			-189	-151	-107	-55	5	78	168	280	424	615	884
150	285.00	bu	0	41	88	143	209	287	383	503	657	863	1150
			-151	-110	-62	-7	57	136	232	352	506	711	999

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
Corn, RR, 8-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

Corn			BREAKEVEN PRICE										
			2.98	3.16	3.37	3.61	3.90	4.25	4.68	5.21	5.89	6.80	8.08
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-333	-315	-295	-272	-245	-212	-171	-121	-56	30	151
			-484	-467	-447	-424	-396	-363	-323	-272	-207	-121	0
60	114.00	bu	-284	-263	-239	-212	-178	-139	-90	-30	47	151	296
			-436	-415	-391	-363	-330	-290	-242	-181	-103	0	145
70	133.00	bu	-236	-212	-184	-151	-112	-66	-10	60	151	272	442
			-387	-363	-335	-302	-264	-218	-161	-90	0	121	290
80	152.00	bu	-187	-160	-128	-90	-46	6	70	151	255	393	587
			-339	-311	-279	-242	-198	-145	-80	0	103	242	436
90	171.00	bu	-139	-108	-72	-30	19	78	151	242	359	514	733
			-290	-259	-223	-181	-132	-72	0	90	207	363	581
100	190.00	bu	-90	-56	-16	30	85	151	232	333	463	636	878
			-242	-207	-167	-121	-66	0	80	181	311	484	726
110	209.00	bu	-42	-4	39	90	151	224	313	424	566	757	1023
			-193	-155	-111	-60	0	72	161	272	415	605	872
120	228.00	bu	6	47	95	151	217	296	393	514	670	878	1169
			-145	-103	-55	0	66	145	242	363	519	726	1017
130	247.00	bu	54	99	151	212	283	369	474	605	774	999	1314
			-96	-51	0	60	132	218	323	454	623	848	1163
140	266.00	bu	103	151	207	272	349	442	555	696	878	1120	1459
			-48	0	55	121	198	290	403	545	726	969	1308
150	285.00	bu	151	203	263	333	415	514	636	787	982	1241	1605
			0	51	111	181	264	363	484	636	830	1090	1453

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
Corn, BtRR, 8-Row Equipment, 38 inch rows, non-irrigated, Alluvial Soil, Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	4.0000	32.44	_________
App by Air (3 gal)	appl	6.87	1.0000	6.87	_________
FERTILIZERS					
LA Phosphate	lb	0.75	30.0000	22.50	_________
LA Potash	lb	0.43	60.0000	25.80	_________
LA Nitrogen	lb	0.59	180.0000	106.20	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.03	2.0000	8.06	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	2.75	5.0000	13.75	_________
Select 2EC	oz	0.94	6.0000	5.64	_________
INSECTICIDES					
Baythroid 2	oz	2.58	2.1300	5.50	_________
SEED/PLANTS					
Corn Seed BtRR	thous	3.61	32.0000	115.52	_________
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 Corn	bu	0.23	320.0000	73.60	_________
OPERATOR LABOR					
Harvesters	hour	17.94	0.1344	2.41	_________
LA Hired Labor					
Implements	hour	14.53	0.1611	2.34	_________
Tractors	hour	14.53	0.5819	8.47	_________
DIESEL FUEL					
Tractors	gal	3.50	5.3318	18.67	_________
Harvesters	gal	3.50	1.6602	5.81	_________
REPAIR & MAINTENANCE					
Implements	Acre	11.72	1.0000	11.72	_________
Tractors	Acre	4.01	1.0000	4.01	_________
Harvesters	Acre	2.26	1.0000	2.26	_________
INTEREST ON OP. CAP.	Acre	23.14	1.0000	23.14	_________

TOTAL DIRECT EXPENSES				548.08	_________
FIXED EXPENSES					
Implements	Acre	21.85	1.0000	21.85	_________
Tractors	Acre	31.02	1.0000	31.02	_________
Harvesters	Acre	10.83	1.0000	10.83	_________

TOTAL FIXED EXPENSES				63.70	_________

TOTAL SPECIFIED EXPENSES				611.78	_________

Table 3.B Estimated resource use and costs for field operations, per Acre
Corn, BtRR, 8-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, 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	Sep							0.3300	65.00	21.45	21.45
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.76	2.50	0.34	0.86	0.08	1.22				6.68
LA Phosphate	lb											30.0000	0.75	22.50	22.50
LA Potash	lb											60.0000	0.43	25.80	25.80
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.52	5.24	1.46	3.85	0.07	1.02				15.09
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
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	Feb							1.0000	8.11	8.11	8.11
Glyphosate Plus 4L	pt											2.0000	4.03	8.06	8.06
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Roller	32'	MFWD 170	0.046	1.00	Mar	1.72	2.27	0.18	1.29	0.04	0.68				6.14
Plant & Pre Rigid	8R-38	MFWD 170	0.080	1.00	Mar	2.96	3.90	1.63	3.94	0.16	2.34				14.77
Corn Seed BtRR	thous											32.0000	3.61	115.52	115.52
LA Nitrogen	lb											30.0000	0.59	17.70	17.70
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr	3.26	4.62	1.53	2.14	0.11	1.69				13.24
LA Nitrogen	lb											150.0000	0.59	88.50	88.50
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	2.75	8.25	8.25
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	2.75	5.50	5.50
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.87	6.87	6.87
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	6R38"	240hp	0.134	1.00	Aug	8.07	10.83	2.47	4.62	0.13	2.41				28.40
Haul Corn	bu											160.0000	0.23	36.80	36.80
Haul Corn	bu			1.00	Aug							160.0000	0.23	36.80	36.80
Stalk Shredder-Flail	20'	MFWD 150	0.082	1.00	Sep	2.67	3.30	3.17	2.39	0.08	1.20				12.73
Digital Ag Fee	acre			1.00	Sep							1.0000	10.00	10.00	10.00
Soil Test	acre											0.3300	10.00	3.30	3.30
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.94	5.64	5.64
TOTALS						30.75	41.85	11.72	21.85	0.87	13.22			469.25	588.64
INTEREST ON OPERATING CAPITAL															23.14
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															611.78

Table 3.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Corn, BtRR, 8-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.44	2.58	2.74	2.93	3.15	3.42	3.75	4.16	4.69	5.39	6.37
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-314	-303	-290	-275	-257	-236	-209	-177	-134	-78	0
			-378	-367	-354	-339	-321	-299	-273	-240	-198	-142	-63
60	96.00	bu	-283	-269	-254	-236	-214	-188	-157	-118	-67	0	94
			-347	-333	-318	-299	-278	-252	-221	-181	-131	-63	30
70	112.00	bu	-251	-236	-218	-196	-171	-141	-104	-59	0	78	188
			-315	-299	-281	-260	-235	-205	-168	-122	-63	15	125
80	128.00	bu	-220	-202	-181	-157	-128	-94	-52	0	67	157	283
			-284	-266	-245	-221	-192	-158	-116	-63	3	93	219
90	144.00	bu	-188	-168	-145	-118	-85	-47	0	59	134	236	377
			-252	-232	-209	-181	-149	-110	-63	-4	71	172	314
100	160.00	bu	-157	-134	-109	-78	-42	0	52	118	202	314	472
			-221	-198	-172	-142	-106	-63	-11	54	138	251	408
110	176.00	bu	-125	-101	-72	-39	0	47	104	177	269	393	566
			-189	-164	-136	-103	-63	-16	41	113	206	330	503
120	192.00	bu	-94	-67	-36	0	42	94	157	236	337	472	661
			-158	-131	-100	-63	-20	30	93	172	273	408	597
130	208.00	bu	-62	-33	0	39	85	141	209	295	404	551	755
			-126	-97	-63	-24	22	78	146	231	341	487	692
140	224.00	bu	-31	0	36	78	128	188	262	354	472	629	850
			-95	-63	-27	15	65	125	198	290	408	566	786
150	240.00	bu	0	33	72	118	171	236	314	413	539	708	944
			-63	-29	8	54	108	172	251	349	476	644	881

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
Corn, BtRR, 8-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.70	2.86	3.05	3.26	3.51	3.82	4.19	4.66	5.25	6.05	7.17
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-293	-280	-266	-249	-228	-204	-174	-137	-89	-25	63
			-357	-344	-329	-312	-292	-268	-238	-201	-153	-89	0
60	96.00	bu	-257	-242	-225	-204	-180	-150	-115	-70	-12	63	170
			-321	-306	-288	-268	-243	-214	-178	-134	-76	0	107
70	112.00	bu	-222	-204	-183	-159	-131	-97	-55	-3	63	153	278
			-285	-268	-247	-223	-194	-160	-119	-67	0	89	214
80	128.00	bu	-186	-166	-142	-115	-82	-43	4	63	140	242	385
			-250	-229	-206	-178	-146	-107	-59	0	76	178	321
90	144.00	bu	-150	-127	-101	-70	-33	10	63	130	216	331	492
			-214	-191	-164	-134	-97	-53	0	67	153	268	428
100	160.00	bu	-115	-89	-60	-25	14	63	123	197	293	421	599
			-178	-153	-123	-89	-48	0	59	134	229	357	536
110	176.00	bu	-79	-51	-18	19	63	117	182	264	370	510	707
			-142	-114	-82	-44	0	53	119	201	306	446	643
120	192.00	bu	-43	-12	22	63	112	170	242	331	446	599	814
			-107	-76	-41	0	48	107	178	268	382	536	750
130	208.00	bu	-7	25	63	108	161	224	301	398	523	689	921
			-71	-38	0	44	97	160	238	335	459	625	857
140	224.00	bu	27	63	104	153	209	278	361	465	599	778	1028
			-35	0	41	89	146	214	297	402	536	714	965
150	240.00	bu	63	101	146	197	258	331	421	532	676	867	1136
			0	38	82	134	194	268	357	469	612	804	1072

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
Corn, BtRR, 8-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	4.0000	32.44	________
App by Air (3 gal)	appl	6.87	1.0000	6.87	________
GIN/DRY					
Dry Corn	bu	0.19	190.0000	36.10	________
FERTILIZERS					
LA Phosphate	lb	0.75	30.0000	22.50	________
LA Potash	lb	0.43	60.0000	25.80	________
LA Nitrogen	lb	0.59	210.0000	123.90	________
HERBICIDES					
Glyphosate Plus 4L	pt	4.03	2.0000	8.06	________
2,4-D Amine 4	pt	2.88	1.0000	2.88	________
Valor WP	oz	3.20	1.0000	3.20	________
Roundup WeatherMax	oz	0.19	66.0000	12.54	________
Atrazine 4L	pt	2.75	5.0000	13.75	________
Select 2EC	oz	0.94	6.0000	5.64	________
INSECTICIDES					
Baythroid 2	oz	2.58	2.1300	5.50	________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	________
SEED/PLANTS					
Corn Seed BtRR	thous	3.61	35.0000	126.35	________
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 Corn	bu	0.23	190.0000	43.70	________
OPERATOR LABOR					
Harvesters	hour	17.94	0.1344	2.41	________
IRRIGATION LABOR					
Implements	hour	14.53	0.0062	0.09	________
LA Hired Labor					
Implements	hour	14.53	0.1611	2.34	________
Tractors	hour	14.53	0.8750	12.74	________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	________
DIESEL FUEL					
Tractors	gal	3.50	8.1593	28.57	________
Harvesters	gal	3.50	1.6602	5.81	________
Roll-Out Pipe Irr.	gal	3.50	8.5535	29.94	________
REPAIR & MAINTENANCE					
Implements	Acre	12.15	1.0000	12.15	________
Tractors	Acre	6.22	1.0000	6.22	________
Harvesters	Acre	2.26	1.0000	2.26	________
Roll-Out Pipe Irr.	Acre	7.16	1.0000	7.16	________
INTEREST ON OP. CAP.	Acre	26.73	1.0000	26.73	________

TOTAL DIRECT EXPENSES				650.49	________
FIXED EXPENSES					
Implements	Acre	23.37	1.0000	23.37	________
Tractors	Acre	48.10	1.0000	48.10	________
Harvesters	Acre	10.83	1.0000	10.83	________
Roll-Out Pipe Irr.	Acre	68.61	1.0000	68.61	________

TOTAL FIXED EXPENSES				150.91	________

TOTAL SPECIFIED EXPENSES				801.40	________

Table 4.B Estimated resource use and costs for field operations, per Acre
Corn, BtRR, 8-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, 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	Sep							0.3300	65.00	21.45	21.45
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.76	2.50	0.34	0.86	0.08	1.22				6.68
LA Phosphate	lb											30.0000	0.75	22.50	22.50
LA Potash	lb											60.0000	0.43	25.80	25.80
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.52	5.24	1.46	3.85	0.07	1.02				15.09
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
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	Feb							1.0000	8.11	8.11	8.11
Glyphosate Plus 4L	pt											2.0000	4.03	8.06	8.06
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Roller	32'	MFWD 170	0.046	1.00	Mar	1.72	2.27	0.18	1.29	0.04	0.68				6.14
Plant & Pre Rigid	8R-38	MFWD 170	0.080	1.00	Mar	2.96	3.90	1.63	3.94	0.16	2.34				14.77
Corn Seed BtRR	thous											35.0000	3.61	126.35	126.35
LA Nitrogen	lb											30.0000	0.59	17.70	17.70
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr	3.26	4.62	1.53	2.14	0.11	1.69				13.24
LA Nitrogen	lb											180.0000	0.59	106.20	106.20
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	2.75	8.25	8.25
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	2.75	5.50	5.50
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.87	6.87	6.87
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	6R38"	240hp	0.134	1.00	Aug	8.07	10.83	2.47	4.62	0.13	2.41				28.40
Dry Corn	bu											190.0000	0.19	36.10	36.10
Haul Corn	bu			1.00	Aug							190.0000	0.23	43.70	43.70
Stalk Shredder-Flail	20'	MFWD 150	0.082	1.00	Sep	2.67	3.30	3.17	2.39	0.08	1.20				12.73
Digital Ag Fee	acre			1.00	Sep							1.0000	10.00	10.00	10.00
Soil Test	acre											0.3300	10.00	3.30	3.30
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.94	5.64	5.64
Roll-Out Pipe Irr.	Acre				Jul	12.11	17.08	37.53	70.13	0.44	6.53	1.0000		7.92	151.30
TOTALS						42.86	58.93	49.25	91.98	1.32	19.75			511.90	774.67
INTEREST ON OPERATING CAPITAL															26.73
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															801.40

Table 4.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Corn, BtRR, 8-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE									
Corn			2.42	2.56	2.73	2.92	3.15	3.42	3.75	4.17	4.70	5.41	6.41
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-379	-365	-349	-331	-310	-284	-252	-213	-162	-94	0
			-529	-516	-500	-482	-461	-435	-403	-364	-313	-245	-150
60	114.00	bu	-341	-324	-306	-284	-258	-227	-189	-142	-81	0	113
			-492	-475	-457	-435	-409	-378	-340	-293	-232	-150	-37
70	133.00	bu	-303	-284	-262	-236	-206	-170	-126	-71	0	94	227
			-454	-435	-413	-387	-357	-321	-277	-221	-150	-56	76
80	152.00	bu	-265	-243	-218	-189	-155	-113	-63	0	81	189	341
			-416	-394	-369	-340	-305	-264	-214	-150	-69	38	190
90	171.00	bu	-227	-203	-174	-142	-103	-56	0	71	162	284	454
			-378	-353	-325	-293	-254	-207	-150	-79	11	133	303
100	190.00	bu	-189	-162	-131	-94	-51	0	63	142	243	379	568
			-340	-313	-282	-245	-202	-150	-87	-8	92	228	417
110	209.00	bu	-151	-121	-87	-47	0	56	126	213	324	473	682
			-302	-272	-238	-198	-150	-94	-24	62	173	322	531
120	228.00	bu	-113	-81	-43	0	51	113	189	284	406	568	795
			-264	-232	-194	-150	-99	-37	38	133	255	417	644
130	247.00	bu	-75	-40	0	47	103	170	252	355	487	663	909
			-226	-191	-150	-103	-47	19	101	204	336	512	758
140	266.00	bu	-37	0	43	94	155	227	315	426	568	758	1023
			-188	-150	-107	-56	4	76	164	275	417	607	872
150	285.00	bu	0	40	87	142	206	284	379	497	649	852	1137
			-150	-110	-63	-8	55	133	228	346	498	701	986

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
Corn, BtRR, 8-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE									
Corn			2.95	3.13	3.34	3.58	3.87	4.21	4.63	5.16	5.84	6.74	8.00
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-328	-311	-291	-268	-241	-208	-168	-118	-54	31	150
			-479	-462	-442	-419	-392	-359	-319	-269	-205	-119	0
60	114.00	bu	-280	-260	-236	-208	-176	-136	-88	-28	48	150	294
			-431	-411	-387	-359	-327	-287	-239	-179	-102	0	143
70	133.00	bu	-232	-208	-181	-148	-110	-64	-8	60	150	270	438
			-383	-359	-332	-299	-261	-215	-159	-89	0	119	287
80	152.00	bu	-184	-157	-125	-88	-45	7	70	150	253	390	582
			-335	-308	-276	-239	-196	-143	-79	0	102	239	431
90	171.00	bu	-136	-106	-70	-28	20	78	150	240	356	510	726
			-287	-256	-221	-179	-130	-71	0	89	205	359	575
100	190.00	bu	-88	-54	-15	31	85	150	230	330	459	630	870
			-239	-205	-166	-119	-65	0	79	179	308	479	719
110	209.00	bu	-40	-3	40	90	150	222	310	420	562	750	1014
			-191	-154	-110	-59	0	71	159	269	411	599	863
120	228.00	bu	7	48	95	150	216	294	390	510	664	870	1158
			-143	-102	-55	0	65	143	239	359	513	719	1007
130	247.00	bu	54	99	150	210	281	366	470	600	767	990	1301
			-95	-51	0	59	130	215	319	449	616	839	1151
140	266.00	bu	102	150	206	270	347	438	550	690	870	1110	1445
			-47	0	55	119	196	287	399	539	719	959	1294
150	285.00	bu	150	202	261	330	412	510	630	780	973	1230	1589
			0	51	110	179	261	359	479	629	822	1079	1438

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
Corn, RR, 12-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	4.0000	32.44	_________
App by Air (3 gal)	appl	6.87	1.0000	6.87	_________
GIN/DRY					
Dry Corn	bu	0.19	160.0000	30.40	_________
FERTILIZERS					
LA Phosphate	lb	0.75	30.0000	22.50	_________
LA Potash	lb	0.43	60.0000	25.80	_________
LA Nitrogen	lb	0.59	180.0000	106.20	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.03	2.0000	8.06	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	2.75	5.0000	13.75	_________
Select 2EC	oz	0.94	6.0000	5.64	_________
INSECTICIDES					
Karate Z	oz	1.41	2.1300	3.00	_________
Intrepid 2F	oz	1.99	6.0000	11.94	_________
Baythroid 2	oz	2.58	2.1300	5.50	_________
SEED/PLANTS					
Corn Seed RR	thous	4.26	32.0000	136.32	_________
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 Corn	bu	0.23	160.0000	36.80	_________
OPERATOR LABOR					
Harvesters	hour	17.94	0.0851	1.53	_________
LA Hired Labor					
Implements	hour	14.53	0.1175	1.71	_________
Tractors	hour	14.53	0.5005	7.28	_________
DIESEL FUEL					
Tractors	gal	3.50	4.8007	16.81	_________
Harvesters	gal	3.50	1.2047	4.22	_________
REPAIR & MAINTENANCE					
Implements	Acre	12.57	1.0000	12.57	_________
Tractors	Acre	3.70	1.0000	3.70	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
INTEREST ON OP. CAP.	Acre	24.76	1.0000	24.76	_________

TOTAL DIRECT EXPENSES				575.28	_________
FIXED EXPENSES					
Implements	Acre	24.80	1.0000	24.80	_________
Tractors	Acre	28.58	1.0000	28.58	_________
Harvesters	Acre	19.66	1.0000	19.66	_________

TOTAL FIXED EXPENSES				73.04	_________

TOTAL SPECIFIED EXPENSES				648.32	_________

Table 5.B Estimated resource use and costs for field operations, per Acre
Corn, RR, 12-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, 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	Sep							0.3300	65.00	21.45	21.45
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.76	2.50	0.34	0.86	0.08	1.22				6.68
LA Phosphate	lb											30.0000	0.75	22.50	22.50
LA Potash	lb											60.0000	0.43	25.80	25.80
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.52	5.24	1.46	3.85	0.07	1.02				15.09
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
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	Feb							1.0000	8.11	8.11	8.11
Glyphosate Plus 4L	pt											2.0000	4.03	8.06	8.06
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Roller	32'	MFWD 170	0.046	1.00	Mar	1.72	2.27	0.18	1.29	0.04	0.68				6.14
Plant - Folding	12R-38	MFWD 190	0.049	1.00	Mar	2.08	2.95	1.80	4.33	0.09	1.44				12.60
Corn Seed RR	thous											32.0000	4.26	136.32	136.32
LA Nitrogen	lb											30.0000	0.59	17.70	17.70
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Apr	2.60	3.86	1.07	1.50	0.07	1.13				10.16
LA Nitrogen	lb											150.0000	0.59	88.50	88.50
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	2.75	8.25	8.25
Karate Z	oz											2.1300	1.41	3.00	3.00
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	2.75	5.50	5.50
Intrepid 2F	oz											6.0000	1.99	11.94	11.94
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.87	6.87	6.87
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	12R-30	275hp	0.085	1.00	Aug	8.33	19.66	2.87	5.38	0.08	1.53				37.77
Dry Corn	bu											160.0000	0.19	30.40	30.40
Haul Corn	bu			1.00	Aug							160.0000	0.23	36.80	36.80
Stalk Shredder-Flail	20'	MFWD 150	0.082	1.00	Sep	2.67	3.30	3.17	2.39	0.08	1.20				12.73
Digital Ag Fee	acre			1.00	Sep							1.0000	10.00	10.00	10.00
Soil Test	acre											0.3300	10.00	3.30	3.30
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.94	5.64	5.64
TOTALS						28.84	48.24	12.57	24.80	0.70	10.52			498.59	623.56
INTEREST ON OPERATING CAPITAL															24.76
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															648.32

Table 5.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Corn, RR, 12-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.54	2.69	2.86	3.06	3.30	3.59	3.94	4.38	4.95	5.70	6.75
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-337	-325	-311	-295	-276	-253	-224	-189	-144	-84	0
			-410	-398	-384	-368	-349	-326	-298	-262	-217	-157	-73
60	96.00	bu	-303	-289	-272	-253	-230	-202	-168	-126	-72	0	101
			-376	-362	-345	-326	-303	-275	-241	-199	-145	-73	28
70	112.00	bu	-269	-253	-233	-210	-184	-151	-112	-63	0	84	202
			-343	-326	-306	-283	-257	-224	-185	-136	-73	11	129
80	128.00	bu	-236	-216	-194	-168	-138	-101	-56	0	72	168	303
			-309	-289	-267	-241	-211	-174	-129	-73	-0	95	230
90	144.00	bu	-202	-180	-155	-126	-92	-50	0	63	144	253	404
			-275	-253	-228	-199	-165	-123	-73	-9	71	180	331
100	160.00	bu	-168	-144	-116	-84	-46	0	56	126	216	337	506
			-241	-217	-189	-157	-119	-73	-16	53	143	264	433
110	176.00	bu	-134	-108	-77	-42	0	50	112	189	289	421	607
			-208	-181	-150	-115	-73	-22	39	116	216	348	534
120	192.00	bu	-101	-72	-38	0	46	101	168	253	361	506	708
			-174	-145	-111	-73	-27	28	95	180	288	433	635
130	208.00	bu	-67	-36	0	42	92	151	224	316	433	590	809
			-140	-109	-73	-30	19	78	151	243	360	517	736
140	224.00	bu	-33	0	38	84	138	202	281	379	506	674	911
			-106	-73	-34	11	65	129	208	306	433	601	838
150	240.00	bu	0	36	77	126	184	253	337	442	578	759	1012
			-73	-36	4	53	111	180	264	369	505	686	939

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
Corn, RR, 12-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.84	3.01	3.21	3.44	3.72	4.05	4.45	4.95	5.60	6.46	7.67
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-313	-299	-283	-264	-242	-216	-184	-144	-92	-23	73
			-386	-372	-356	-337	-315	-289	-257	-217	-165	-96	0
60	96.00	bu	-274	-257	-238	-216	-190	-158	-120	-71	-9	73	188
			-347	-331	-311	-289	-263	-231	-193	-144	-82	0	115
70	112.00	bu	-235	-216	-194	-168	-137	-100	-55	0	73	169	304
			-308	-289	-267	-241	-210	-173	-128	-72	0	96	231
80	128.00	bu	-197	-175	-149	-120	-84	-42	8	73	155	266	420
			-270	-248	-222	-193	-157	-115	-64	0	82	193	347
90	144.00	bu	-158	-133	-105	-71	-32	15	73	145	238	362	536
			-231	-206	-178	-144	-105	-57	0	72	165	289	463
100	160.00	bu	-120	-92	-60	-23	20	73	137	217	321	459	652
			-193	-165	-133	-96	-52	0	64	144	248	386	579
110	176.00	bu	-81	-51	-16	24	73	130	201	290	404	555	768
			-154	-124	-89	-48	0	57	128	217	331	482	695
120	192.00	bu	-42	-9	28	73	125	188	266	362	486	652	884
			-115	-82	-44	0	52	115	193	289	413	579	810
130	208.00	bu	-4	31	73	121	178	246	330	435	569	748	999
			-77	-41	0	48	105	173	257	362	496	675	926
140	224.00	bu	34	73	117	169	231	304	394	507	652	845	1115
			-38	0	44	96	157	231	321	434	579	772	1042
150	240.00	bu	73	114	162	217	283	362	459	579	735	941	1231
			0	41	89	144	210	289	386	506	662	868	1158

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 per Acre
Corn, RR, 12-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	4.0000	32.44	_________
App by Air (3 gal)	appl	6.87	1.0000	6.87	_________
GIN/DRY					
Dry Corn	bu	0.19	190.0000	36.10	_________
FERTILIZERS					
LA Phosphate	lb	0.75	30.0000	22.50	_________
LA Potash	lb	0.43	60.0000	25.80	_________
LA Nitrogen	lb	0.59	210.0000	123.90	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.03	2.0000	8.06	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	2.75	5.0000	13.75	_________
Select 2EC	oz	0.94	6.0000	5.64	_________
INSECTICIDES					
Karate Z	oz	1.41	2.1300	3.00	_________
Baythroid 2	oz	2.58	2.1300	5.50	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Corn Seed RR	thous	4.26	35.0000	149.10	_________
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 Corn	bu	0.23	190.0000	43.70	_________
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	0.1175	1.71	_________
Tractors	hour	14.53	0.7998	11.64	_________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	_________
DIESEL FUEL					
Tractors	gal	3.50	7.6894	26.92	_________
Harvesters	gal	3.50	1.2047	4.22	_________
Roll-Out Pipe Irr.	gal	3.50	8.5535	29.94	_________
REPAIR & MAINTENANCE					
Implements	Acre	13.09	1.0000	13.09	_________
Tractors	Acre	5.96	1.0000	5.96	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
Roll-Out Pipe Irr.	Acre	7.16	1.0000	7.16	_________
INTEREST ON OP. CAP.	Acre	28.09	1.0000	28.09	_________

TOTAL DIRECT EXPENSES				674.28	_________
FIXED EXPENSES					
Implements	Acre	26.51	1.0000	26.51	_________
Tractors	Acre	46.03	1.0000	46.03	_________
Harvesters	Acre	19.66	1.0000	19.66	_________
Roll-Out Pipe Irr.	Acre	68.61	1.0000	68.61	_________

TOTAL FIXED EXPENSES				160.81	_________

TOTAL SPECIFIED EXPENSES				835.09	_________

Table 6.B Estimated resource use and costs for field operations, per Acre
Corn, RR, 12-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, 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	Sep							0.3300	65.00	21.45	21.45
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.76	2.50	0.34	0.86	0.08	1.22				6.68
LA Phosphate	lb											30.0000	0.75	22.50	22.50
LA Potash	lb											60.0000	0.43	25.80	25.80
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.52	5.24	1.46	3.85	0.07	1.02				15.09
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
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	Feb							1.0000	8.11	8.11	8.11
Glyphosate Plus 4L	pt											2.0000	4.03	8.06	8.06
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Roller	32'	MFWD 170	0.046	1.00	Mar	1.72	2.27	0.18	1.29	0.04	0.68				6.14
Plant - Folding	12R-38	MFWD 190	0.049	1.00	Mar	2.08	2.95	1.80	4.33	0.09	1.44				12.60
Corn Seed RR	thous											35.0000	4.26	149.10	149.10
LA Nitrogen	lb											30.0000	0.59	17.70	17.70
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Apr	2.60	3.86	1.07	1.50	0.07	1.13				10.16
LA Nitrogen	lb											180.0000	0.59	106.20	106.20
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	2.75	8.25	8.25
Karate Z	oz											2.1300	1.41	3.00	3.00
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	2.75	5.50	5.50
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.87	6.87	6.87
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	12R-30	275hp	0.085	1.00	Aug	8.33	19.66	2.87	5.38	0.08	1.53				37.77
Dry Corn	bu											190.0000	0.19	36.10	36.10
Corn Grain Cart 8R40	700bu	MFWD 190	0.025	0.25	Aug	0.26	0.37	0.09	0.19	0.00	0.09				1.00
Haul Corn	bu			1.00	Aug							190.0000	0.23	43.70	43.70
Stalk Shredder-Flail	20'	MFWD 150	0.082	1.00	Sep	2.67	3.30	3.17	2.39	0.08	1.20				12.73
Digital Ag Fee	acre			1.00	Sep							1.0000	10.00	10.00	10.00
Soil Test	acre											0.3300	10.00	3.30	3.30
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.94	5.64	5.64
Roll-Out Pipe Irr.	Acre				Jul	12.11	17.08	37.53	70.13	0.44	6.53	1.0000		7.92	151.30
TOTALS						41.21	65.69	50.19	95.12	1.15	17.14			537.65	807.00
INTEREST ON OPERATING CAPITAL															28.09
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															835.09

Table 6.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Corn, RR, 12-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.50	2.65	2.82	3.02	3.26	3.54	3.89	4.32	4.88	5.62	6.66
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-394	-380	-364	-345	-323	-296	-263	-222	-169	-98	0
			-555	-541	-525	-506	-483	-456	-424	-382	-330	-259	-160
60	114.00	bu	-355	-338	-318	-296	-269	-236	-197	-148	-84	0	118
			-516	-499	-479	-456	-430	-397	-358	-308	-245	-160	-42
70	133.00	bu	-315	-296	-273	-246	-215	-177	-131	-74	0	98	236
			-476	-456	-434	-407	-376	-338	-292	-234	-160	-62	76
80	152.00	bu	-276	-253	-227	-197	-161	-118	-65	0	84	197	355
			-437	-414	-388	-358	-322	-279	-226	-160	-76	36	194
90	171.00	bu	-236	-211	-182	-148	-107	-59	0	74	169	296	473
			-397	-372	-343	-308	-268	-220	-160	-86	8	135	313
100	190.00	bu	-197	-169	-136	-98	-53	0	65	148	253	394	592
			-358	-330	-297	-259	-214	-160	-95	-12	93	234	431
110	209.00	bu	-157	-126	-91	-49	0	59	131	222	338	493	710
			-318	-287	-251	-210	-160	-101	-29	61	177	332	549
120	228.00	bu	-118	-84	-45	0	53	118	197	296	423	592	829
			-279	-245	-206	-160	-106	-42	36	135	262	431	668
130	247.00	bu	-78	-42	0	49	107	177	263	370	507	691	947
			-239	-203	-160	-111	-53	16	102	209	346	530	786
140	266.00	bu	-39	0	45	98	161	236	329	444	592	789	1066
			-200	-160	-115	-62	0	76	168	283	431	628	905
150	285.00	bu	0	42	91	148	215	296	394	518	676	888	1184
			-160	-118	-69	-12	54	135	234	357	516	727	1023

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
Corn, RR, 12-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			3.07	3.26	3.48	3.73	4.03	4.39	4.83	5.38	6.09	7.03	8.35
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-341	-323	-302	-278	-249	-215	-173	-121	-54	35	160
			-502	-484	-463	-439	-410	-376	-334	-282	-215	-125	0
60	114.00	bu	-291	-269	-244	-215	-181	-140	-90	-27	53	160	311
			-451	-430	-405	-376	-342	-301	-251	-188	-107	0	150
70	133.00	bu	-240	-215	-186	-152	-113	-65	-6	66	160	286	462
			-401	-376	-347	-313	-273	-225	-167	-94	0	125	301
80	152.00	bu	-190	-161	-128	-90	-44	10	77	160	268	411	612
			-351	-322	-289	-251	-205	-150	-83	0	107	251	451
90	171.00	bu	-140	-108	-70	-27	23	85	160	254	375	537	763
			-301	-268	-231	-188	-136	-75	0	94	215	376	602
100	190.00	bu	-90	-54	-12	35	92	160	244	349	483	662	913
			-251	-215	-173	-125	-68	0	83	188	322	502	753
110	209.00	bu	-40	-0	44	98	160	236	328	443	591	788	1064
			-200	-161	-115	-62	0	75	167	282	430	627	903
120	228.00	bu	10	53	102	160	229	311	411	537	698	913	1215
			-150	-107	-57	0	68	150	251	376	537	753	1054
130	247.00	bu	60	107	160	223	297	386	495	631	806	1039	1365
			-100	-53	0	62	136	225	334	470	645	878	1204
140	266.00	bu	110	160	218	286	366	462	579	725	913	1164	1516
			-50	0	57	125	205	301	418	564	753	1004	1355
150	285.00	bu	160	214	276	349	434	537	662	819	1021	1290	1667
			0	53	115	188	273	376	502	658	860	1129	1506

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
Corn, BtRR, 12-Row Equipment, 38 inch rows, non-irrigated, Alluvial Soil, Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	4.0000	32.44	________
App by Air (3 gal)	appl	6.87	1.0000	6.87	________
GIN/DRY					
Dry Corn	bu	0.19	160.0000	30.40	________
FERTILIZERS					
LA Phosphate	lb	0.75	30.0000	22.50	________
LA Potash	lb	0.43	60.0000	25.80	________
LA Nitrogen	lb	0.59	180.0000	106.20	________
HERBICIDES					
Glyphosate Plus 4L	pt	4.03	2.0000	8.06	________
2,4-D Amine 4	pt	2.88	1.0000	2.88	________
Valor WP	oz	3.20	1.0000	3.20	________
Roundup WeatherMax	oz	0.19	66.0000	12.54	________
Atrazine 4L	pt	2.75	5.0000	13.75	________
Select 2EC	oz	0.94	6.0000	5.64	________
INSECTICIDES					
Baythroid 2	oz	2.58	2.1300	5.50	________
SEED/PLANTS					
Corn Seed BtRR	thous	3.61	32.0000	115.52	________
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 Corn	bu	0.23	160.0000	36.80	________
OPERATOR LABOR					
Harvesters	hour	17.94	0.0851	1.53	________
LA Hired Labor					
Implements	hour	14.53	0.1175	1.71	________
Tractors	hour	14.53	0.5005	7.28	________
DIESEL FUEL					
Tractors	gal	3.50	4.8007	16.81	________
Harvesters	gal	3.50	1.2047	4.22	________
REPAIR & MAINTENANCE					
Implements	Acre	12.57	1.0000	12.57	________
Tractors	Acre	3.70	1.0000	3.70	________
Harvesters	Acre	4.11	1.0000	4.11	________
INTEREST ON OP. CAP.	Acre	22.75	1.0000	22.75	________
TOTAL DIRECT EXPENSES				537.53	________
FIXED EXPENSES					
Implements	Acre	24.80	1.0000	24.80	________
Tractors	Acre	28.58	1.0000	28.58	________
Harvesters	Acre	19.66	1.0000	19.66	________
TOTAL FIXED EXPENSES				73.04	________
TOTAL SPECIFIED EXPENSES				610.57	________

Table 7.B Estimated resource use and costs for field operations, per Acre
Corn, BtRR, 12-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, 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	Sep							0.3300	65.00	21.45	21.45
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.76	2.50	0.34	0.86	0.08	1.22				6.68
LA Phosphate	lb											30.0000	0.75	22.50	22.50
LA Potash	lb											60.0000	0.43	25.80	25.80
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.52	5.24	1.46	3.85	0.07	1.02				15.09
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
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	Feb							1.0000	8.11	8.11	8.11
Glyphosate Plus 4L	pt											2.0000	4.03	8.06	8.06
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Roller	32'	MFWD 170	0.046	1.00	Mar	1.72	2.27	0.18	1.29	0.04	0.68				6.14
Plant - Folding	12R-38	MFWD 190	0.049	1.00	Mar	2.08	2.95	1.80	4.33	0.09	1.44				12.60
Corn Seed BtRR	thous											32.0000	3.61	115.52	115.52
LA Nitrogen	lb											30.0000	0.59	17.70	17.70
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Apr	2.60	3.86	1.07	1.50	0.07	1.13				10.16
LA Nitrogen	lb											150.0000	0.59	88.50	88.50
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	2.75	8.25	8.25
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	2.75	5.50	5.50
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.87	6.87	6.87
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	12R-30	275hp	0.085	1.00	Aug	8.33	19.66	2.87	5.38	0.08	1.53				37.77
Dry Corn	bu											160.0000	0.19	30.40	30.40
Haul Corn	bu			1.00	Aug							160.0000	0.23	36.80	36.80
Stalk Shredder-Flail	20'	MFWD 150	0.082	1.00	Sep	2.67	3.30	3.17	2.39	0.08	1.20				12.73
Digital Ag Fee	acre			1.00	Sep							1.0000	10.00	10.00	10.00
Soil Test	acre											0.3300	10.00	3.30	3.30
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.94	5.64	5.64
TOTALS						28.84	48.24	12.57	24.80	0.70	10.52			462.85	587.82
INTEREST ON OPERATING CAPITAL															22.75
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															610.57

Table 7.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Corn, BtRR, 12-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.38	2.52	2.68	2.87	3.09	3.35	3.68	4.09	4.61	5.31	6.28
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-312	-301	-288	-273	-255	-234	-208	-175	-133	-78	0
			-385	-374	-361	-346	-328	-307	-281	-248	-206	-151	-73
60	96.00	bu	-281	-267	-252	-234	-212	-187	-156	-117	-66	0	93
			-354	-340	-325	-307	-285	-260	-229	-190	-139	-73	20
70	112.00	bu	-249	-234	-216	-195	-170	-140	-104	-58	0	78	187
			-322	-307	-289	-268	-243	-213	-177	-131	-73	5	114
80	128.00	bu	-218	-200	-180	-156	-127	-93	-52	0	66	156	281
			-291	-273	-253	-229	-200	-166	-125	-73	-6	83	208
90	144.00	bu	-187	-167	-144	-117	-85	-46	0	58	133	234	374
			-260	-240	-217	-190	-158	-119	-73	-14	60	161	301
100	160.00	bu	-156	-133	-108	-78	-42	0	52	117	200	312	468
			-229	-206	-181	-151	-115	-73	-20	44	127	239	395
110	176.00	bu	-124	-100	-72	-39	0	46	104	175	267	390	562
			-197	-173	-145	-112	-73	-26	31	102	194	317	489
120	192.00	bu	-93	-66	-36	0	42	93	156	234	334	468	655
			-166	-139	-109	-73	-30	20	83	161	261	395	582
130	208.00	bu	-62	-33	0	39	85	140	208	292	401	546	749
			-135	-106	-73	-34	12	67	135	219	328	473	676
140	224.00	bu	-31	0	36	78	127	187	260	351	468	624	843
			-104	-73	-37	5	54	114	187	278	395	551	770
150	240.00	bu	0	33	72	117	170	234	312	409	535	702	936
			-73	-39	-0	44	97	161	239	336	462	629	863

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
Corn, BtRR, 12-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.68	2.84	3.03	3.25	3.50	3.81	4.19	4.66	5.26	6.07	7.20
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-287	-275	-260	-242	-222	-197	-167	-130	-81	-17	73
			-361	-348	-333	-315	-295	-270	-240	-203	-154	-90	0
60	96.00	bu	-251	-236	-218	-197	-173	-143	-107	-62	-4	73	181
			-324	-309	-291	-270	-246	-216	-180	-135	-77	0	108
70	112.00	bu	-215	-197	-176	-152	-123	-89	-47	5	73	163	289
			-288	-270	-249	-225	-196	-162	-120	-67	0	90	216
80	128.00	bu	-179	-159	-135	-107	-74	-35	12	73	150	253	397
			-252	-232	-208	-180	-147	-108	-60	0	77	180	324
90	144.00	bu	-143	-120	-93	-62	-25	18	73	140	227	343	506
			-216	-193	-166	-135	-98	-54	0	67	154	270	433
100	160.00	bu	-107	-81	-51	-17	23	73	133	208	305	434	614
			-180	-154	-124	-90	-49	0	60	135	232	361	541
110	176.00	bu	-71	-43	-10	27	73	127	193	276	382	524	722
			-144	-116	-83	-45	0	54	120	203	309	451	649
120	192.00	bu	-35	-4	31	73	122	181	253	343	459	614	831
			-108	-77	-41	0	49	108	180	270	386	541	758
130	208.00	bu	0	34	73	118	171	235	313	411	537	704	939
			-72	-38	0	45	98	162	240	338	464	631	866
140	224.00	bu	36	73	114	163	220	289	373	479	614	795	1047
			-36	0	41	90	147	216	300	406	541	722	974
150	240.00	bu	73	111	156	208	269	343	434	546	691	885	1156
			0	38	83	135	196	270	361	473	618	812	1083

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

Table 8.A Estimated costs per Acre
Corn, BtRR, 12-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.11	4.0000	32.44	_________
App by Air (3 gal)	appl	6.87	1.0000	6.87	_________
GIN/DRY					
Dry Corn	bu	0.19	190.0000	36.10	_________
FERTILIZERS					
LA Phosphate	lb	0.75	30.0000	22.50	_________
LA Potash	lb	0.43	60.0000	25.80	_________
LA Nitrogen	lb	0.59	210.0000	123.90	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.03	2.0000	8.06	_________
2,4-D Amine 4	pt	2.88	1.0000	2.88	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	2.75	5.0000	13.75	_________
Select 2EC	oz	0.94	6.0000	5.64	_________
INSECTICIDES					
Baythroid 2	oz	2.58	2.1300	5.50	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Corn Seed BtRR	thous	3.61	35.0000	126.35	_________
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 Corn	bu	0.23	190.0000	43.70	_________
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	0.1175	1.71	_________
Tractors	hour	14.53	0.7936	11.55	_________
LA Irrigation Labor					
Special Labor	hour	14.53	0.1500	2.17	_________
DIESEL FUEL					
Tractors	gal	3.50	7.6282	26.71	_________
Harvesters	gal	3.50	1.2047	4.22	_________
Roll-Out Pipe Irr.	gal	3.50	8.5535	29.94	_________
REPAIR & MAINTENANCE					
Implements	Acre	13.00	1.0000	13.00	_________
Tractors	Acre	5.91	1.0000	5.91	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
Roll-Out Pipe Irr.	Acre	7.16	1.0000	7.16	_________
INTEREST ON OP. CAP.	Acre	26.51	1.0000	26.51	_________

TOTAL DIRECT EXPENSES				646.51	_________
FIXED EXPENSES					
Implements	Acre	26.32	1.0000	26.32	_________
Tractors	Acre	45.66	1.0000	45.66	_________
Harvesters	Acre	19.66	1.0000	19.66	_________
Roll-Out Pipe Irr.	Acre	68.61	1.0000	68.61	_________

TOTAL FIXED EXPENSES				160.25	_________

TOTAL SPECIFIED EXPENSES				806.76	_________

Table 8.B Estimated resource use and costs for field operations, per Acre
Corn, BtRR, 12-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, 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	Sep							0.3300	65.00	21.45	21.45
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.76	2.50	0.34	0.86	0.08	1.22				6.68
LA Phosphate	lb											30.0000	0.75	22.50	22.50
LA Potash	lb											60.0000	0.43	25.80	25.80
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.52	5.24	1.46	3.85	0.07	1.02				15.09
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
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	Feb							1.0000	8.11	8.11	8.11
Glyphosate Plus 4L	pt											2.0000	4.03	8.06	8.06
2,4-D Amine 4	pt											1.0000	2.88	2.88	2.88
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Roller	32'	MFWD 170	0.046	1.00	Mar	1.72	2.27	0.18	1.29	0.04	0.68				6.14
Plant - Folding	12R-38	MFWD 190	0.049	1.00	Mar	2.08	2.95	1.80	4.33	0.09	1.44				12.60
Corn Seed BtRR	thous											35.0000	3.61	126.35	126.35
LA Nitrogen	lb											30.0000	0.59	17.70	17.70
Ditcher		2WD 130	0.020	1.00	Mar	0.55	0.63	0.07	0.12	0.02	0.29				1.66
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Apr	2.60	3.86	1.07	1.50	0.07	1.13				10.16
LA Nitrogen	lb											180.0000	0.59	106.20	106.20
App by Air (5 gal)	appl			1.00	Apr							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	2.75	8.25	8.25
App by Air (5 gal)	appl			1.00	May							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	2.75	5.50	5.50
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.87	6.87	6.87
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	12R-30	275hp	0.085	1.00	Aug	8.33	19.66	2.87	5.38	0.08	1.53				37.77
Dry Corn	bu											190.0000	0.19	36.10	36.10
Haul Corn	bu			1.00	Aug							190.0000	0.23	43.70	43.70
Stalk Shredder-Flail	20'	MFWD 150	0.082	1.00	Sep	2.67	3.30	3.17	2.39	0.08	1.20				12.73
Digital Ag Fee	acre			1.00	Sep							1.0000	10.00	10.00	10.00
Soil Test	acre											0.3300	10.00	3.30	3.30
App by Air (5 gal)	appl			1.00	Sep							1.0000	8.11	8.11	8.11
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.94	5.64	5.64
Roll-Out Pipe Irr.	Acre				Jul	12.11	17.08	37.53	70.13	0.44	6.53	1.0000		7.92	151.30
TOTALS						40.95	65.32	50.10	94.93	1.15	17.05			511.90	780.25
INTEREST ON OPERATING CAPITAL															26.51
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															806.76

Table 8.C Breakeven price above direct expenses and net returns for price/yield combinations, per Acre
Corn, BtRR, 12-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.41	2.55	2.71	2.90	3.13	3.40	3.73	4.14	4.67	5.38	6.37
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-376	-362	-347	-329	-307	-282	-250	-211	-161	-94	0
			-536	-523	-507	-489	-468	-442	-411	-371	-321	-254	-160
60	114.00	bu	-338	-322	-303	-282	-256	-225	-188	-141	-80	0	112
			-498	-482	-464	-442	-416	-386	-348	-301	-240	-160	-47
70	133.00	bu	-301	-282	-260	-235	-205	-169	-125	-70	0	94	225
			-461	-442	-420	-395	-365	-329	-285	-230	-160	-66	65
80	152.00	bu	-263	-241	-217	-188	-153	-112	-62	0	80	188	338
			-423	-402	-377	-348	-314	-273	-222	-160	-79	27	178
90	171.00	bu	-225	-201	-173	-141	-102	-56	0	70	161	282	451
			-386	-361	-333	-301	-262	-216	-160	-89	1	122	291
100	190.00	bu	-188	-161	-130	-94	-51	0	62	141	241	376	564
			-348	-321	-290	-254	-211	-160	-97	-19	81	216	404
110	209.00	bu	-150	-120	-86	-47	0	56	125	211	322	470	677
			-310	-281	-247	-207	-160	-103	-34	51	162	310	517
120	228.00	bu	-112	-80	-43	0	51	112	188	282	403	564	790
			-273	-240	-203	-160	-108	-47	27	122	242	404	630
130	247.00	bu	-75	-40	0	47	102	169	250	352	483	658	903
			-235	-200	-160	-113	-57	9	90	192	323	498	742
140	266.00	bu	-37	0	43	94	153	225	313	423	564	752	1016
			-197	-160	-116	-66	-6	65	153	263	404	592	855
150	285.00	bu	0	40	86	141	205	282	376	493	645	846	1129
			-160	-119	-73	-19	45	122	216	333	484	686	968

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
Corn, BtRR, 12-Row Equipment, 38 inch rows, irrigated,
Alluvial Soil, Louisiana, 2024.

			BREAKEVEN PRICE										
Corn			2.97	3.15	3.36	3.61	3.89	4.24	4.66	5.19	5.88	6.78	8.06
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-322	-305	-285	-262	-235	-202	-161	-111	-46	39	160
			-483	-465	-446	-422	-395	-362	-322	-271	-207	-120	0
60	114.00	bu	-274	-253	-230	-202	-169	-129	-81	-20	56	160	305
			-434	-414	-390	-362	-329	-289	-241	-181	-103	0	144
70	133.00	bu	-226	-202	-174	-141	-103	-57	-0	69	160	281	450
			-386	-362	-334	-301	-263	-217	-161	-90	0	120	289
80	152.00	bu	-177	-150	-118	-81	-37	15	79	160	263	401	595
			-338	-310	-278	-241	-197	-144	-80	0	103	241	434
90	171.00	bu	-129	-98	-62	-20	28	87	160	250	367	522	740
			-289	-258	-223	-181	-131	-72	0	90	207	362	579
100	190.00	bu	-81	-46	-7	39	94	160	240	341	470	643	885
			-241	-207	-167	-120	-65	0	80	181	310	483	724
110	209.00	bu	-33	4	48	99	160	232	321	432	574	764	1029
			-193	-155	-111	-60	0	72	161	271	414	603	869
120	228.00	bu	15	56	104	160	226	305	401	522	677	885	1174
			-144	-103	-55	0	65	144	241	362	517	724	1014
130	247.00	bu	63	108	160	220	292	377	482	613	781	1005	1319
			-96	-51	0	60	131	217	322	452	621	845	1159
140	266.00	bu	111	160	216	281	357	450	562	703	885	1126	1464
			-48	0	55	120	197	289	402	543	724	966	1304
150	285.00	bu	160	212	271	341	423	522	643	794	988	1247	1609
			0	51	111	181	263	362	483	634	828	1087	1449

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		
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,
(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							----------------------
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
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

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	--------------------	--------------------	--------------------	--------------------
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
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.69	2.42	1.10	0.41	5.64	2.41	2.95	11.01
NT Plant-Folding	12R-20	MFWD 190	77,500	150	8	0.098	2.68	3.84	2.85	0.66	10.04	6.23	4.68	20.96
NT Plant-Folding	12R-30	MFWD 190	91,300	150	8	0.065	1.79	2.56	2.24	0.44	7.03	4.89	3.12	15.05

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, and direct and fixed cost per acre, Louisiana 2024.
(Continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
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