Projected Costs and Returns Crop Enterprise Budgets for Corn Production in Louisiana, 2023

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Introduction

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

Crop enterprise budgets in this report are presented in two budget formats. The first budget format (table A) is a summary of costs and returns for the crop enterprise. The second budget format (table B) provides a table listing the sequence of production operations, indicating the equipment and implements used, month of operation, labor required, machine time required, and materials used. Labor costs, material costs, custom costs, and direct and fixed costs for tractors and equipment are also included for each operation. All costs are summed giving the total cost per operation or practice. In addition, breakeven prices to cover direct production costs and total specified production costs are presented in tables C and D.

Procedure

The general procedure used in this study was to project machinery and other input price data and apply these data to the production practice data for crop enterprises produced in Louisiana. Input prices were obtained from surveys of farm suppliers, machinery dealers, and aerial applicators to provide a basis for estimating 2023 planning budgets. Machinery and other input cost data are presented in the Appendix.

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

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

Expected Crop Yields and Market Prices

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

Direct Production Costs

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

Hired labor was charged at $13.67 per hour for all classes of labor except for harvest machinery and laser leveling operator labor. This wage rate include a basic wage rate plus additional costs for social security, Medicare, and workman's compensation. Operator labor was charged at $16.54 per hour, which includes a basic wage rate plus additional costs for social security, Medicare, and workman's compensation. The higher wage rate was charged for these classes of operators because of the relatively higher skills required to run these types of machinery and the general consensus that these operators are generally twelve month (salaried) employees i.e. foremen. Farm labor may not be generally available on an hourly basis; however, an hourly charge represents a practical method for charging labor to the respective crop enterprises on a per acre basis.

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

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

Farm Machinery Costs

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

Overhead Costs

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

Land and Management Charges

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

Acknowledgments

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

Internet Access

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

Table 1.A Estimated costs per Acre
Corn, RR, 8-Row Equipment, 38 inch rows, non-irrigated,
Alluvial Soil, Louisiana, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.60	4.0000	30.40	_________
App by Air (3 gal)	appl	6.40	1.0000	6.40	_________
GIN/DRY					
Dry Corn	bu	0.19	160.0000	30.40	_________
FERTILIZERS					
LA Phosphate	lb	0.90	30.0000	27.00	_________
LA Potash	lb	0.67	60.0000	40.20	_________
LA Nitrogen	lb	0.78	180.0000	140.40	_________
Haul Corn	bu	0.23	160.0000	36.80	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.95	2.0000	9.90	_________
2,4-D Amine 4	pt	3.25	1.0000	3.25	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	3.15	5.0000	15.75	_________
Select 2EC	oz	0.87	6.0000	5.22	_________
INSECTICIDES					
Karate Z	oz	1.41	2.1300	3.00	_________
Intrepid 2F	oz	1.94	6.0000	11.64	_________
Baythroid 2	oz	2.58	2.1300	5.50	_________
SEED/PLANTS					
Corn Seed RR	thous	3.38	32.0000	108.16	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
OPERATOR LABOR					
Harvesters	hour	16.54	0.1344	2.22	_________
LA Hired Labor					
Implements	hour	13.67	0.1611	2.21	_________
Tractors	hour	13.67	0.5819	7.95	_________
DIESEL FUEL					
Tractors	gal	4.00	5.3318	21.35	_________
Harvesters	gal	4.00	1.6602	6.64	_________
REPAIR & MAINTENANCE					
Implements	Acre	10.87	1.0000	10.87	_________
Tractors	Acre	3.60	1.0000	3.60	_________
Harvesters	Acre	2.26	1.0000	2.26	_________
INTEREST ON OP. CAP.	Acre	19.88	1.0000	19.88	_________

TOTAL DIRECT EXPENSES				599.51	_________
FIXED EXPENSES					
Implements	Acre	18.44	1.0000	18.44	_________
Tractors	Acre	25.35	1.0000	25.35	_________
Harvesters	Acre	9.95	1.0000	9.95	_________

TOTAL FIXED EXPENSES				53.74	_________

TOTAL SPECIFIED EXPENSES				653.25	_________

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, 2023.

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	dollars		dollars		dollars	dollars	dollars
Lime (Spread)	ton			0.33	Sep							0.3300	59.00	19.47	19.47
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.93	2.01	0.34	0.78	0.08	1.16				6.22
LA Phosphate	lb											30.0000	0.90	27.00	27.00
LA Potash	lb											60.0000	0.67	40.20	40.20
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct	3.40	3.54	0.57	1.71	0.07	1.01				10.23
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air (5 gal)	appl			1.00	Feb							1.0000	7.60	7.60	7.60
Glyphosate Plus 4L	pt											2.0000	4.95	9.90	9.90
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Roller	32'	MFWD 170	0.046	1.00	Mar	1.90	1.92	0.18	1.15	0.04	0.64				5.79
Plant & Pre Rigid	8R-38	MFWD 170	0.080	1.00	Mar	3.28	3.30	1.44	3.15	0.16	2.20				13.37
Corn Seed RR	thous											32.0000	3.38	108.16	108.16
LA Nitrogen	lb											30.0000	0.78	23.40	23.40
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr	3.56	3.71	1.53	1.95	0.11	1.59				12.34
LA Nitrogen	lb											150.0000	0.78	117.00	117.00
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	3.15	9.45	9.45
Karate Z	oz											2.1300	1.41	3.00	3.00
App by Air (5 gal)	appl			1.00	May							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	3.15	6.30	6.30
Intrepid 2F	oz											6.0000	1.94	11.64	11.64
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.40	6.40	6.40
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	6R38"	240hp	0.134	1.00	Aug	8.90	9.95	2.18	3.71	0.13	2.22				26.96
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	2.96	2.77	2.90	1.99	0.08	1.13				11.75
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	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.87	5.22	5.22
TOTALS						33.85	35.30	10.87	18.44	0.87	12.38			522.53	633.37
INTEREST ON OPERATING CAPITAL															19.88
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															653.25

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, 2023.

			BREAKEVEN PRICE									
Corn			2.64	2.79	2.98	3.19	3.44	3.74	4.11	4.57	5.16	5.95	7.06
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-353	-341	-326	-309	-289	-265	-235	-199	-151	-88	0
			-407	-395	-380	-363	-343	-319	-289	-252	-205	-142	-53
60	96.00	bu	-318	-303	-285	-265	-241	-212	-176	-132	-75	0	106
			-372	-357	-339	-319	-295	-266	-230	-186	-129	-53	52
70	112.00	bu	-283	-265	-245	-221	-193	-159	-117	-66	0	88	212
			-336	-319	-298	-274	-246	-213	-171	-120	-53	34	158
80	128.00	bu	-247	-227	-204	-176	-144	-106	-58	0	75	176	318
			-301	-281	-257	-230	-198	-159	-112	-53	22	123	264
90	144.00	bu	-212	-189	-163	-132	-96	-53	0	66	151	265	424
			-266	-243	-217	-186	-150	-106	-53	12	97	211	370
100	160.00	bu	-176	-151	-122	-88	-48	0	58	132	227	353	530
			-230	-205	-176	-142	-102	-53	5	78	173	300	477
110	176.00	bu	-141	-113	-81	-44	0	53	117	199	303	442	637
			-195	-167	-135	-97	-53	-0	64	145	249	388	583
120	192.00	bu	-106	-75	-40	0	48	106	176	265	379	530	743
			-159	-129	-94	-53	-5	52	123	211	325	477	689
130	208.00	bu	-70	-37	0	44	96	159	235	331	455	619	849
			-124	-91	-53	-9	42	105	182	278	401	565	795
140	224.00	bu	-35	0	40	88	144	212	294	398	530	707	955
			-89	-53	-12	34	91	158	241	344	477	654	901
150	240.00	bu	0	37	81	132	193	265	353	464	606	796	1061
			-53	-15	27	78	139	211	300	410	552	742	1008

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, 2023.

			BREAKEVEN PRICE									
Corn			2.86	3.03	3.23	3.47	3.75	4.08	4.48	4.99	5.64	6.51	7.73
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-336	-322	-306	-287	-265	-238	-206	-165	-113	-43	53
			-389	-375	-359	-341	-318	-292	-259	-219	-167	-97	0
60	96.00	bu	-297	-280	-261	-238	-211	-180	-141	-92	-29	53	170
			-350	-334	-314	-292	-265	-233	-194	-146	-83	0	116
70	112.00	bu	-258	-238	-216	-189	-158	-121	-76	-19	53	151	287
			-311	-292	-269	-243	-212	-175	-129	-73	0	97	233
80	128.00	bu	-219	-196	-171	-141	-105	-63	-11	53	137	248	404
			-272	-250	-224	-194	-159	-116	-64	0	83	194	350
90	144.00	bu	-180	-155	-126	-92	-52	-4	53	126	220	346	521
			-233	-208	-179	-146	-106	-58	0	73	167	292	467
100	160.00	bu	-141	-113	-81	-43	0	53	118	199	304	443	638
			-194	-167	-134	-97	-53	0	64	146	250	389	584
110	176.00	bu	-102	-71	-36	5	53	112	183	272	387	540	755
			-155	-125	-89	-48	0	58	129	219	334	487	701
120	192.00	bu	-63	-29	8	53	106	170	248	346	471	638	872
			-116	-83	-44	0	53	116	194	292	417	584	818
130	208.00	bu	-24	11	53	102	160	229	313	419	554	735	989
			-77	-41	0	48	106	175	259	365	501	682	935
140	224.00	bu	14	53	98	151	213	287	378	492	638	833	1106
			-38	0	44	97	159	233	324	438	584	779	1052
150	240.00	bu	53	95	143	199	266	346	443	565	721	930	1222
			0	41	89	146	212	292	389	511	668	876	1169

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.60	4.0000	30.40	________
App by Air (3 gal)	appl	6.40	1.0000	6.40	________
GIN/DRY					
Dry Corn	bu	0.19	190.0000	36.10	________
FERTILIZERS					
LA Phosphate	lb	0.90	30.0000	27.00	________
LA Potash	lb	0.67	60.0000	40.20	________
LA Nitrogen	lb	0.78	210.0000	163.80	________
Haul Corn	bu	0.23	190.0000	43.70	________
HERBICIDES					
Glyphosate Plus 4L	pt	4.95	2.0000	9.90	________
2,4-D Amine 4	pt	3.25	1.0000	3.25	________
Valor WP	oz	3.20	1.0000	3.20	________
Roundup WeatherMax	oz	0.19	66.0000	12.54	________
Atrazine 4L	pt	3.15	5.0000	15.75	________
Select 2EC	oz	0.87	6.0000	5.22	________
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	3.38	35.0000	118.30	________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.3300	13.30	________
Soil Test	acre	10.00	0.1089	1.09	________
OPERATOR LABOR					
Harvesters	hour	16.54	0.1344	2.22	________
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	________
LA Hired Labor					
Implements	hour	13.67	0.1611	2.21	________
Tractors	hour	13.67	0.8812	12.05	________
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	________
DIESEL FUEL					
Tractors	gal	4.00	8.2204	32.89	________
Harvesters	gal	4.00	1.6602	6.64	________
Roll-Out Pipe Irr.	gal	4.00	8.5535	34.20	________
REPAIR & MAINTENANCE					
Implements	Acre	11.39	1.0000	11.39	________
Tractors	Acre	5.58	1.0000	5.58	________
Harvesters	Acre	2.26	1.0000	2.26	________
Roll-Out Pipe Irr.	Acre	7.16	1.0000	7.16	________
INTEREST ON OP. CAP.	Acre	22.42	1.0000	22.42	________

TOTAL DIRECT EXPENSES				687.72	________
FIXED EXPENSES					
Implements	Acre	19.99	1.0000	19.99	________
Tractors	Acre	39.35	1.0000	39.35	________
Harvesters	Acre	9.95	1.0000	9.95	________
Roll-Out Pipe Irr.	Acre	59.91	1.0000	59.91	________

TOTAL FIXED EXPENSES				129.20	________

TOTAL SPECIFIED EXPENSES				816.92	________

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, 2023.

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	1.93	2.01	0.34	0.78	0.08	1.16				6.22
LA Phosphate	lb											30.0000	0.90	27.00	27.00
LA Potash	lb											60.0000	0.67	40.20	40.20
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct	3.40	3.54	0.57	1.71	0.07	1.01				10.23
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air (5 gal)	appl			1.00	Feb							1.0000	7.60	7.60	7.60
Glyphosate Plus 4L	pt											2.0000	4.95	9.90	9.90
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Roller	32'	MFWD 170	0.046	1.00	Mar	1.90	1.92	0.18	1.15	0.04	0.64				5.79
Plant & Pre Rigid	8R-38	MFWD 170	0.080	1.00	Mar	3.28	3.30	1.44	3.15	0.16	2.20				13.37
Corn Seed RR	thous											35.0000	3.38	118.30	118.30
LA Nitrogen	lb											30.0000	0.78	23.40	23.40
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr	3.56	3.71	1.53	1.95	0.11	1.59				12.34
LA Nitrogen	lb											180.0000	0.78	140.40	140.40
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	3.15	9.45	9.45
Karate Z	oz											2.1300	1.41	3.00	3.00
App by Air (5 gal)	appl			1.00	May							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	3.15	6.30	6.30
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.40	6.40	6.40
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	6R38"	240hp	0.134	1.00	Aug	8.90	9.95	2.18	3.71	0.13	2.22				26.96
Dry Corn	bu											190.0000	0.19	36.10	36.10
Corn Grain Cart 8R40	700bu	MFWD 190	0.025	0.25	Aug	0.28	0.30	0.09	0.17	0.00	0.09				0.93
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	2.96	2.77	2.90	1.99	0.08	1.13				11.75
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	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.87	5.22	5.22
Roll-Out Pipe Irr.	Acre				Jul	13.24	13.70	41.79	61.29	0.44	6.14	1.0000		7.92	144.08
TOTALS						47.37	49.30	52.75	79.90	1.33	18.61			546.57	794.50
INTEREST ON OPERATING CAPITAL															22.42
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															816.92

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, 2023.

			BREAKEVEN PRICE										
Corn			2.55	2.70	2.88	3.08	3.32	3.61	3.97	4.41	4.98	5.74	6.81
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-404	-389	-373	-353	-330	-303	-269	-227	-173	-101	0
			-533	-518	-502	-482	-459	-432	-398	-356	-302	-230	-129
60	114.00	bu	-363	-346	-326	-303	-275	-242	-202	-151	-86	0	121
			-492	-475	-455	-432	-404	-371	-331	-280	-215	-129	-7
70	133.00	bu	-323	-303	-279	-252	-220	-181	-134	-75	0	101	242
			-452	-432	-408	-381	-349	-311	-263	-204	-129	-28	113
80	152.00	bu	-282	-259	-233	-202	-165	-121	-67	0	86	202	363
			-412	-389	-362	-331	-294	-250	-196	-129	-42	72	234
90	171.00	bu	-242	-216	-186	-151	-110	-60	0	75	173	303	484
			-371	-345	-315	-280	-239	-189	-129	-53	44	173	355
100	190.00	bu	-202	-173	-139	-101	-55	0	67	151	259	404	606
			-331	-302	-269	-230	-184	-129	-61	22	130	274	477
110	209.00	bu	-161	-129	-93	-50	0	60	134	227	346	505	727
			-290	-259	-222	-179	-129	-68	5	98	217	375	598
120	228.00	bu	-121	-86	-46	0	55	121	202	303	433	606	848
			-250	-215	-175	-129	-74	-7	72	173	303	477	719
130	247.00	bu	-80	-43	0	50	110	181	269	378	519	707	969
			-210	-172	-129	-78	-18	52	140	249	390	578	840
140	266.00	bu	-40	0	46	101	165	242	336	454	606	808	1091
			-169	-129	-82	-28	36	113	207	325	477	679	961
150	285.00	bu	0	43	93	151	220	303	404	530	692	909	1212
			-129	-85	-35	22	91	173	274	401	563	780	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 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, 2023.

			BREAKEVEN PRICE										
Corn			3.00	3.19	3.40	3.65	3.94	4.29	4.72	5.26	5.95	6.88	8.17
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-361	-343	-323	-299	-271	-238	-197	-146	-80	6	129
			-490	-472	-452	-428	-401	-367	-326	-275	-210	-122	0
60	114.00	bu	-312	-291	-266	-238	-205	-164	-115	-54	24	129	276
			-441	-420	-395	-367	-334	-294	-245	-183	-105	0	147
70	133.00	bu	-263	-238	-210	-177	-138	-91	-34	37	129	251	423
			-392	-367	-339	-306	-267	-220	-163	-91	0	122	294
80	152.00	bu	-213	-185	-153	-115	-71	-17	47	129	234	374	570
			-343	-315	-282	-245	-200	-147	-81	0	105	245	441
90	171.00	bu	-164	-133	-97	-54	-4	55	129	221	339	496	717
			-294	-262	-226	-183	-133	-73	0	91	210	367	588
100	190.00	bu	-115	-80	-40	6	62	129	210	313	444	619	864
			-245	-210	-169	-122	-66	0	81	183	315	490	735
110	209.00	bu	-66	-28	16	67	129	202	292	404	549	742	1011
			-196	-157	-113	-61	0	73	163	275	420	612	882
120	228.00	bu	-17	24	72	129	196	276	374	496	654	864	1158
			-147	-105	-56	0	66	147	245	367	525	735	1029
130	247.00	bu	31	76	129	190	262	349	456	588	759	987	1305
			-98	-52	0	61	133	220	326	459	630	857	1176
140	266.00	bu	80	129	185	251	329	423	537	680	864	1109	1452
			-49	0	56	122	200	294	408	551	735	980	1323
150	285.00	bu	129	181	242	313	396	496	619	772	969	1232	1600
			0	52	113	183	267	367	490	643	840	1103	1470

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.60	4.0000	30.40	_________
App by Air (3 gal)	appl	6.40	1.0000	6.40	_________
GIN/DRY					
Dry Corn	bu	0.19	160.0000	30.40	_________
FERTILIZERS					
LA Phosphate	lb	0.90	30.0000	27.00	_________
LA Potash	lb	0.67	60.0000	40.20	_________
LA Nitrogen	lb	0.78	180.0000	140.40	_________
Haul Corn	bu	0.23	160.0000	36.80	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.95	2.0000	9.90	_________
2,4-D Amine 4	pt	3.25	1.0000	3.25	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	3.15	5.0000	15.75	_________
Select 2EC	oz	0.87	6.0000	5.22	_________
INSECTICIDES					
Baythroid 2	oz	2.58	2.1300	5.50	_________
SEED/PLANTS					
Corn Seed BtRR	thous	3.75	32.0000	120.00	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
OPERATOR LABOR					
Harvesters	hour	16.54	0.1344	2.22	_________
LA Hired Labor					
Implements	hour	13.67	0.1611	2.21	_________
Tractors	hour	13.67	0.5819	7.95	_________
DIESEL FUEL					
Tractors	gal	4.00	5.3318	21.35	_________
Harvesters	gal	4.00	1.6602	6.64	_________
REPAIR & MAINTENANCE					
Implements	Acre	10.87	1.0000	10.87	_________
Tractors	Acre	3.60	1.0000	3.60	_________
Harvesters	Acre	2.26	1.0000	2.26	_________
INTEREST ON OP. CAP.	Acre	19.89	1.0000	19.89	_________

TOTAL DIRECT EXPENSES				596.72	_________
FIXED EXPENSES					
Implements	Acre	18.44	1.0000	18.44	_________
Tractors	Acre	25.35	1.0000	25.35	_________
Harvesters	Acre	9.95	1.0000	9.95	_________

TOTAL FIXED EXPENSES				53.74	_________

TOTAL SPECIFIED EXPENSES				650.46	_________

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, 2023.

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	dollars		dollars		dollars	dollars	dollars
Lime (Spread)	ton			0.33	Sep							0.3300	59.00	19.47	19.47
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.93	2.01	0.34	0.78	0.08	1.16				6.22
LA Phosphate	lb											30.0000	0.90	27.00	27.00
LA Potash	lb											60.0000	0.67	40.20	40.20
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct	3.40	3.54	0.57	1.71	0.07	1.01				10.23
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air (5 gal)	appl			1.00	Feb							1.0000	7.60	7.60	7.60
Glyphosate Plus 4L	pt											2.0000	4.95	9.90	9.90
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Roller	32'	MFWD 170	0.046	1.00	Mar	1.90	1.92	0.18	1.15	0.04	0.64				5.79
Plant & Pre Rigid	8R-38	MFWD 170	0.080	1.00	Mar	3.28	3.30	1.44	3.15	0.16	2.20				13.37
Corn Seed BtRR	thous											32.0000	3.75	120.00	120.00
LA Nitrogen	lb											30.0000	0.78	23.40	23.40
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr	3.56	3.71	1.53	1.95	0.11	1.59				12.34
LA Nitrogen	lb											150.0000	0.78	117.00	117.00
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	3.15	9.45	9.45
App by Air (5 gal)	appl			1.00	May							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	3.15	6.30	6.30
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.40	6.40	6.40
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	6R38"	240hp	0.134	1.00	Aug	8.90	9.95	2.18	3.71	0.13	2.22				26.96
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	2.96	2.77	2.90	1.99	0.08	1.13				11.75
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	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.87	5.22	5.22
TOTALS						33.85	35.30	10.87	18.44	0.87	12.38			519.73	630.57
INTEREST ON OPERATING CAPITAL															19.89
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															650.46

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, 2023.

			BREAKEVEN PRICE									
Corn			2.62	2.78	2.96	3.17	3.42	3.72	4.09	4.55	5.14	5.92	7.03
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-352	-339	-324	-308	-288	-264	-234	-198	-150	-88	0
			-405	-393	-378	-361	-341	-317	-288	-251	-204	-141	-53
60	96.00	bu	-316	-301	-284	-264	-240	-211	-176	-132	-75	0	105
			-370	-355	-338	-317	-293	-264	-229	-185	-129	-53	51
70	112.00	bu	-281	-264	-243	-220	-192	-158	-117	-66	0	88	211
			-335	-317	-297	-273	-245	-212	-171	-119	-53	34	157
80	128.00	bu	-246	-226	-203	-176	-144	-105	-58	0	75	176	316
			-300	-280	-256	-229	-197	-159	-112	-53	21	122	263
90	144.00	bu	-211	-188	-162	-132	-96	-52	0	66	150	264	422
			-264	-242	-216	-185	-149	-106	-53	12	97	210	368
100	160.00	bu	-176	-150	-121	-88	-48	0	58	132	226	352	528
			-229	-204	-175	-141	-101	-53	4	78	172	298	474
110	176.00	bu	-140	-113	-81	-44	0	52	117	198	301	440	633
			-194	-166	-134	-97	-53	-0	63	144	248	386	579
120	192.00	bu	-105	-75	-40	0	48	105	176	264	377	528	739
			-159	-129	-94	-53	-5	51	122	210	323	474	685
130	208.00	bu	-70	-37	0	44	96	158	234	330	452	616	844
			-124	-91	-53	-9	42	104	180	276	398	562	791
140	224.00	bu	-35	0	40	88	144	211	293	396	528	704	950
			-88	-53	-13	34	90	157	239	342	474	650	896
150	240.00	bu	0	37	81	132	192	264	352	462	603	792	1056
			-53	-16	27	78	138	210	298	408	549	738	1002

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, 2023.

			BREAKEVEN PRICE									
Corn			2.85	3.02	3.22	3.45	3.73	4.06	4.46	4.97	5.62	6.48	7.70
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-334	-320	-304	-285	-263	-237	-204	-164	-112	-43	53
			-387	-374	-358	-339	-317	-290	-258	-218	-166	-96	0
60	96.00	bu	-295	-278	-259	-237	-210	-178	-140	-91	-29	53	170
			-349	-332	-313	-290	-264	-232	-193	-145	-83	0	116
70	112.00	bu	-256	-237	-214	-188	-157	-120	-75	-18	53	150	286
			-310	-290	-268	-242	-211	-174	-129	-72	0	96	232
80	128.00	bu	-217	-195	-170	-140	-104	-62	-10	53	136	247	402
			-271	-249	-223	-193	-158	-116	-64	0	83	193	349
90	144.00	bu	-178	-154	-125	-91	-52	-4	53	126	219	344	519
			-232	-207	-179	-145	-105	-58	0	72	166	290	465
100	160.00	bu	-140	-112	-80	-43	0	53	118	199	303	441	635
			-193	-166	-134	-96	-52	0	64	145	249	387	581
110	176.00	bu	-101	-70	-35	5	53	111	183	271	386	538	751
			-155	-124	-89	-48	0	58	129	218	332	484	698
120	192.00	bu	-62	-29	8	53	106	170	247	344	469	635	868
			-116	-83	-44	0	52	116	193	290	415	581	814
130	208.00	bu	-23	12	53	102	159	228	312	417	552	732	984
			-77	-41	0	48	105	174	258	363	498	678	930
140	224.00	bu	14	53	98	150	212	286	376	490	635	829	1101
			-38	0	44	96	158	232	323	436	581	775	1047
150	240.00	bu	53	95	143	199	265	344	441	562	718	926	1217
			0	41	89	145	211	290	387	509	664	872	1163

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.60	4.0000	30.40	_________
App by Air (3 gal)	appl	6.40	1.0000	6.40	_________
GIN/DRY					
Dry Corn	bu	0.19	190.0000	36.10	_________
FERTILIZERS					
LA Phosphate	lb	0.90	30.0000	27.00	_________
LA Potash	lb	0.67	60.0000	40.20	_________
LA Nitrogen	lb	0.78	210.0000	163.80	_________
Haul Corn	bu	0.23	190.0000	43.70	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.95	2.0000	9.90	_________
2,4-D Amine 4	pt	3.25	1.0000	3.25	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	3.15	5.0000	15.75	_________
Select 2EC	oz	0.87	6.0000	5.22	_________
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	3.75	35.0000	131.25	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
OPERATOR LABOR					
Harvesters	hour	16.54	0.1344	2.22	_________
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	_________
LA Hired Labor					
Implements	hour	13.67	0.1611	2.21	_________
Tractors	hour	13.67	0.8750	11.96	_________
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_________
DIESEL FUEL					
Tractors	gal	4.00	8.1593	32.65	_________
Harvesters	gal	4.00	1.6602	6.64	_________
Roll-Out Pipe Irr.	gal	4.00	8.5535	34.20	_________
REPAIR & MAINTENANCE					
Implements	Acre	11.30	1.0000	11.30	_________
Tractors	Acre	5.54	1.0000	5.54	_________
Harvesters	Acre	2.26	1.0000	2.26	_________
Roll-Out Pipe Irr.	Acre	7.16	1.0000	7.16	_________
INTEREST ON OP. CAP.	Acre	23.19	1.0000	23.19	_________

TOTAL DIRECT EXPENSES				716.36	_________
FIXED EXPENSES					
Implements	Acre	19.82	1.0000	19.82	_________
Tractors	Acre	39.05	1.0000	39.05	_________
Harvesters	Acre	9.95	1.0000	9.95	_________
Roll-Out Pipe Irr.	Acre	59.91	1.0000	59.91	_________

TOTAL FIXED EXPENSES				128.73	_________

TOTAL SPECIFIED EXPENSES				845.09	_________

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, 2023.

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	59.00	19.47	19.47
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.93	2.01	0.34	0.78	0.08	1.16				6.22
LA Phosphate	lb											30.0000	0.90	27.00	27.00
LA Potash	lb											60.0000	0.67	40.20	40.20
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Disk Bed (Hipper)Rdg	8R-38	MFWD 190	0.074	1.00	Oct	3.40	3.54	0.57	1.71	0.07	1.01				10.23
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air (5 gal)	appl			1.00	Feb							1.0000	7.60	7.60	7.60
Glyphosate Plus 4L	pt											2.0000	4.95	9.90	9.90
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Roller	32'	MFWD 170	0.046	1.00	Mar	1.90	1.92	0.18	1.15	0.04	0.64				5.79
Plant & Pre Rigid	8R-38	MFWD 170	0.080	1.00	Mar	3.28	3.30	1.44	3.15	0.16	2.20				13.37
Corn Seed BtRR	thous											35.0000	3.75	131.25	131.25
LA Nitrogen	lb											30.0000	0.78	23.40	23.40
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Fert Appl (Liquid)	8R-38	MFWD 190	0.077	1.00	Apr	3.56	3.71	1.53	1.95	0.11	1.59				12.34
LA Nitrogen	lb											180.0000	0.78	140.40	140.40
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	3.15	9.45	9.45
App by Air (5 gal)	appl			1.00	May							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	3.15	6.30	6.30
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.40	6.40	6.40
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	6R38"	240hp	0.134	1.00	Aug	8.90	9.95	2.18	3.71	0.13	2.22				26.96
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	2.96	2.77	2.90	1.99	0.08	1.13				11.75
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	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.87	5.22	5.22
Roll-Out Pipe Irr.	Acre				Jul	13.24	13.70	41.79	61.29	0.44	6.14	1.0000		7.92	144.08
TOTALS						47.09	49.00	52.66	79.73	1.32	18.52			574.90	821.90
INTEREST ON OPERATING CAPITAL															23.19
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															845.09

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, 2023.

			BREAKEVEN PRICE										
Corn			2.65	2.81	2.99	3.21	3.46	3.77	4.14	4.60	5.20	5.99	7.11
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-423	-408	-390	-370	-346	-317	-282	-238	-181	-105	0
			-551	-536	-519	-499	-475	-446	-410	-366	-310	-234	-128
60	114.00	bu	-380	-362	-341	-317	-288	-253	-211	-158	-90	0	126
			-509	-491	-470	-446	-417	-382	-340	-287	-219	-128	-1
70	133.00	bu	-338	-317	-293	-264	-230	-190	-141	-79	0	105	253
			-467	-446	-421	-393	-359	-319	-269	-208	-128	-22	125
80	152.00	bu	-296	-272	-244	-211	-173	-126	-70	0	90	211	380
			-424	-400	-372	-340	-301	-255	-199	-128	-38	82	252
90	171.00	bu	-253	-226	-195	-158	-115	-63	0	79	181	317	507
			-382	-355	-324	-287	-244	-192	-128	-49	52	188	379
100	190.00	bu	-211	-181	-146	-105	-57	0	70	158	272	423	634
			-340	-310	-275	-234	-186	-128	-58	29	143	294	506
110	209.00	bu	-169	-136	-97	-52	0	63	141	238	362	529	761
			-298	-264	-226	-181	-128	-65	12	109	234	400	633
120	228.00	bu	-126	-90	-48	0	57	126	211	317	453	634	888
			-255	-219	-177	-128	-71	-1	82	188	324	506	760
130	247.00	bu	-84	-45	0	52	115	190	282	396	544	740	1015
			-213	-174	-128	-75	-13	61	153	268	415	611	887
140	266.00	bu	-42	0	48	105	173	253	352	476	634	846	1142
			-171	-128	-79	-22	44	125	223	347	506	717	1014
150	285.00	bu	0	45	97	158	230	317	423	555	725	952	1269
			-128	-83	-31	29	102	188	294	426	596	823	1140

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, 2023.

			BREAKEVEN PRICE										
Corn			3.10	3.29	3.52	3.77	4.08	4.44	4.89	5.45	6.17	7.12	8.46
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-380	-362	-341	-316	-287	-253	-210	-157	-89	1	128
			-509	-490	-469	-445	-416	-381	-339	-286	-218	-127	0
60	114.00	bu	-329	-307	-282	-253	-218	-176	-125	-62	19	128	281
			-458	-436	-411	-381	-347	-305	-254	-190	-109	0	152
70	133.00	bu	-278	-253	-223	-189	-148	-100	-40	33	128	255	434
			-407	-381	-352	-318	-277	-229	-169	-95	0	127	305
80	152.00	bu	-227	-198	-164	-125	-79	-23	43	128	237	383	586
			-356	-327	-293	-254	-208	-152	-84	0	109	254	458
90	171.00	bu	-176	-143	-106	-62	-10	52	128	224	346	510	739
			-305	-272	-234	-190	-138	-76	0	95	218	381	610
100	190.00	bu	-125	-89	-47	1	59	128	213	319	455	637	892
			-254	-218	-176	-127	-69	0	84	190	327	509	763
110	209.00	bu	-74	-34	11	65	128	205	298	415	565	765	1045
			-203	-163	-117	-63	0	76	169	286	436	636	916
120	228.00	bu	-23	19	69	128	198	281	383	510	674	892	1197
			-152	-109	-58	0	69	152	254	381	545	763	1069
130	247.00	bu	26	74	128	192	267	357	468	605	783	1019	1350
			-101	-54	0	63	138	229	339	477	654	890	1221
140	266.00	bu	77	128	187	255	336	434	552	701	892	1146	1503
			-50	0	58	127	208	305	424	572	763	1018	1374
150	285.00	bu	128	183	246	319	406	510	637	796	1001	1274	1655
			0	54	117	190	277	381	509	668	872	1145	1527

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.60	4.0000	30.40	_________
App by Air (3 gal)	appl	6.40	1.0000	6.40	_________
GIN/DRY					
Dry Corn	bu	0.19	160.0000	30.40	_________
FERTILIZERS					
LA Phosphate	lb	0.90	30.0000	27.00	_________
LA Potash	lb	0.67	60.0000	40.20	_________
LA Nitrogen	lb	0.78	180.0000	140.40	_________
Haul Corn	bu	0.23	160.0000	36.80	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.95	2.0000	9.90	_________
2,4-D Amine 4	pt	3.25	1.0000	3.25	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	3.15	5.0000	15.75	_________
Select 2EC	oz	0.87	6.0000	5.22	_________
INSECTICIDES					
Karate Z	oz	1.41	2.1300	3.00	_________
Intrepid 2F	oz	1.94	6.0000	11.64	_________
Baythroid 2	oz	2.58	2.1300	5.50	_________
SEED/PLANTS					
Corn Seed RR	thous	3.38	32.0000	108.16	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_________
LA Hired Labor					
Implements	hour	13.67	0.1175	1.61	_________
Tractors	hour	13.67	0.5005	6.84	_________
DIESEL FUEL					
Tractors	gal	4.00	4.8007	19.22	_________
Harvesters	gal	4.00	1.2047	4.82	_________
REPAIR & MAINTENANCE					
Implements	Acre	11.50	1.0000	11.50	_________
Tractors	Acre	3.32	1.0000	3.32	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
INTEREST ON OP. CAP.	Acre	19.72	1.0000	19.72	_________

TOTAL DIRECT EXPENSES				595.08	_________
FIXED EXPENSES					
Implements	Acre	20.31	1.0000	20.31	_________
Tractors	Acre	23.33	1.0000	23.33	_________
Harvesters	Acre	18.06	1.0000	18.06	_________

TOTAL FIXED EXPENSES				61.70	_________

TOTAL SPECIFIED EXPENSES				656.78	_________

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, 2023.

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	59.00	19.47	19.47
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.93	2.01	0.34	0.78	0.08	1.16				6.22
LA Phosphate	lb											30.0000	0.90	27.00	27.00
LA Potash	lb											60.0000	0.67	40.20	40.20
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.72	3.01	0.95	2.84	0.04	0.67				10.19
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air (5 gal)	appl			1.00	Feb							1.0000	7.60	7.60	7.60
Glyphosate Plus 4L	pt											2.0000	4.95	9.90	9.90
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Roller	32'	MFWD 170	0.046	1.00	Mar	1.90	1.92	0.18	1.15	0.04	0.64				5.79
Plant - Folding	12R-38	MFWD 190	0.049	1.00	Mar	2.27	2.37	1.67	3.65	0.09	1.36				11.32
Corn Seed RR	thous											32.0000	3.38	108.16	108.16
LA Nitrogen	lb											30.0000	0.78	23.40	23.40
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Apr	2.84	3.15	1.07	1.37	0.07	1.06				9.49
LA Nitrogen	lb											150.0000	0.78	117.00	117.00
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	3.15	9.45	9.45
Karate Z	oz											2.1300	1.41	3.00	3.00
App by Air (5 gal)	appl			1.00	May							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	3.15	6.30	6.30
Intrepid 2F	oz											6.0000	1.94	11.64	11.64
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.40	6.40	6.40
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	12R-30	275hp	0.085	1.00	Aug	8.93	18.06	2.66	4.53	0.08	1.41				35.59
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	2.96	2.77	2.90	1.99	0.08	1.13				11.75
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	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.87	5.22	5.22
TOTALS						31.47	41.39	11.50	20.31	0.70	9.86			522.53	637.06
INTEREST ON OPERATING CAPITAL															19.72
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															656.78

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, 2023.

			BREAKEVEN PRICE										
Corn			2.62	2.77	2.95	3.17	3.42	3.71	4.08	4.54	5.12	5.91	7.00
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-350	-338	-323	-307	-287	-263	-233	-197	-150	-87	0
			-412	-400	-385	-368	-348	-324	-295	-259	-212	-149	-61
60	96.00	bu	-315	-300	-283	-263	-239	-210	-175	-131	-75	0	105
			-377	-362	-345	-324	-300	-272	-237	-193	-136	-61	43
70	112.00	bu	-280	-263	-242	-219	-191	-157	-116	-65	0	87	210
			-342	-324	-304	-281	-253	-219	-178	-127	-61	26	148
80	128.00	bu	-245	-225	-202	-175	-143	-105	-58	0	75	175	315
			-307	-287	-264	-237	-205	-166	-120	-61	13	113	254
90	144.00	bu	-210	-188	-161	-131	-95	-52	0	65	150	263	421
			-272	-249	-223	-193	-157	-114	-61	4	88	201	359
100	160.00	bu	-175	-150	-121	-87	-47	0	58	131	225	350	526
			-237	-212	-183	-149	-109	-61	-3	69	163	289	464
110	176.00	bu	-140	-112	-80	-43	0	52	116	197	300	438	631
			-202	-174	-142	-105	-61	-9	55	135	239	377	570
120	192.00	bu	-105	-75	-40	0	47	105	175	263	376	526	737
			-166	-136	-102	-61	-13	43	113	201	314	464	675
130	208.00	bu	-70	-37	0	43	95	157	233	329	451	614	842
			-131	-99	-61	-17	34	96	172	267	389	552	780
140	224.00	bu	-35	0	40	87	143	210	292	394	526	701	947
			-96	-61	-21	26	81	148	230	333	464	640	885
150	240.00	bu	0	37	80	131	191	263	350	460	601	789	1052
			-61	-24	19	69	129	201	289	398	539	727	991

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, 2023.

			BREAKEVEN PRICE										
Corn			2.87	3.05	3.25	3.49	3.77	4.10	4.51	5.02	5.68	6.55	7.78
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-330	-316	-300	-281	-259	-232	-199	-158	-106	-36	61
			-392	-378	-361	-343	-320	-294	-261	-220	-168	-98	0
60	96.00	bu	-291	-274	-254	-232	-205	-173	-134	-85	-22	61	179
			-352	-336	-316	-294	-267	-235	-196	-147	-84	0	117
70	112.00	bu	-251	-232	-209	-183	-152	-114	-68	-11	61	159	296
			-313	-294	-271	-245	-213	-176	-130	-73	0	98	235
80	128.00	bu	-212	-190	-164	-134	-98	-55	-3	61	145	257	414
			-274	-252	-226	-196	-160	-117	-65	0	84	196	352
90	144.00	bu	-173	-148	-119	-85	-45	2	61	135	229	355	532
			-235	-210	-180	-147	-106	-58	0	73	168	294	470
100	160.00	bu	-134	-106	-74	-36	8	61	127	208	313	453	649
			-196	-168	-135	-98	-53	0	65	147	252	392	588
110	176.00	bu	-95	-64	-28	12	61	120	192	282	397	551	767
			-156	-126	-90	-49	0	58	130	220	336	490	705
120	192.00	bu	-55	-22	16	61	115	179	257	355	481	649	885
			-117	-84	-45	0	53	117	196	294	420	588	823
130	208.00	bu	-16	19	61	110	168	238	323	429	565	747	1002
			-78	-42	0	49	106	176	261	367	504	686	941
140	224.00	bu	22	61	106	159	222	296	388	502	649	845	1120
			-39	0	45	98	160	235	326	441	588	784	1058
150	240.00	bu	61	103	152	208	275	355	453	576	733	943	1237
			0	42	90	147	213	294	392	514	672	882	1176

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.60	4.0000	30.40	_________
App by Air (3 gal)	appl	6.40	1.0000	6.40	_________
GIN/DRY					
Dry Corn	bu	0.19	190.0000	36.10	_________
FERTILIZERS					
LA Phosphate	lb	0.90	30.0000	27.00	_________
LA Potash	lb	0.67	60.0000	40.20	_________
LA Nitrogen	lb	0.78	210.0000	163.80	_________
Haul Corn	bu	0.23	190.0000	43.70	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.95	2.0000	9.90	_________
2,4-D Amine 4	pt	3.25	1.0000	3.25	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	3.15	5.0000	15.75	_________
Select 2EC	oz	0.87	6.0000	5.22	_________
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	3.38	35.0000	118.30	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_________
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	_________
LA Hired Labor					
Implements	hour	13.67	0.1175	1.61	_________
Tractors	hour	13.67	0.7998	10.94	_________
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_________
DIESEL FUEL					
Tractors	gal	4.00	7.6894	30.76	_________
Harvesters	gal	4.00	1.2047	4.82	_________
Roll-Out Pipe Irr.	gal	4.00	8.5535	34.20	_________
REPAIR & MAINTENANCE					
Implements	Acre	12.02	1.0000	12.02	_________
Tractors	Acre	5.30	1.0000	5.30	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
Roll-Out Pipe Irr.	Acre	7.16	1.0000	7.16	_________
INTEREST ON OP. CAP.	Acre	22.55	1.0000	22.55	_________

TOTAL DIRECT EXPENSES				701.96	_________
FIXED EXPENSES					
Implements	Acre	21.86	1.0000	21.86	_________
Tractors	Acre	37.33	1.0000	37.33	_________
Harvesters	Acre	18.06	1.0000	18.06	_________
Roll-Out Pipe Irr.	Acre	59.91	1.0000	59.91	_________

TOTAL FIXED EXPENSES				137.16	_________

TOTAL SPECIFIED EXPENSES				839.12	_________

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, 2023.

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	59.00	19.47	19.47
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.93	2.01	0.34	0.78	0.08	1.16				6.22
LA Phosphate	lb											30.0000	0.90	27.00	27.00
LA Potash	lb											60.0000	0.67	40.20	40.20
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.72	3.01	0.95	2.84	0.04	0.67				10.19
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air (5 gal)	appl			1.00	Feb							1.0000	7.60	7.60	7.60
Glyphosate Plus 4L	pt											2.0000	4.95	9.90	9.90
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Roller	32'	MFWD 170	0.046	1.00	Mar	1.90	1.92	0.18	1.15	0.04	0.64				5.79
Plant - Folding	12R-38	MFWD 190	0.049	1.00	Mar	2.27	2.37	1.67	3.65	0.09	1.36				11.32
Corn Seed RR	thous											35.0000	3.38	118.30	118.30
LA Nitrogen	lb											30.0000	0.78	23.40	23.40
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Apr	2.84	3.15	1.07	1.37	0.07	1.06				9.49
LA Nitrogen	lb											180.0000	0.78	140.40	140.40
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	3.15	9.45	9.45
Karate Z	oz											2.1300	1.41	3.00	3.00
App by Air (5 gal)	appl			1.00	May							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	3.15	6.30	6.30
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.40	6.40	6.40
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	12R-30	275hp	0.085	1.00	Aug	8.93	18.06	2.66	4.53	0.08	1.41				35.59
Dry Corn	bu											190.0000	0.19	36.10	36.10
Corn Grain Cart 8R40	700bu	MFWD 190	0.025	0.25	Aug	0.28	0.30	0.09	0.17	0.00	0.09				0.93
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	2.96	2.77	2.90	1.99	0.08	1.13				11.75
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	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.87	5.22	5.22
Roll-Out Pipe Irr.	Acre				Jul	13.24	13.70	41.79	61.29	0.44	6.14	1.0000		7.92	144.08
TOTALS						44.99	55.39	53.38	81.77	1.15	16.09			564.95	816.57
INTEREST ON OPERATING CAPITAL															22.55
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															839.12

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, 2023.

			BREAKEVEN PRICE										
Corn			2.60	2.76	2.94	3.15	3.39	3.69	4.05	4.51	5.09	5.87	6.96
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-413	-398	-381	-361	-338	-310	-275	-232	-177	-103	0
			-550	-536	-518	-499	-475	-447	-412	-369	-314	-240	-137
60	114.00	bu	-372	-354	-334	-310	-282	-248	-206	-155	-88	0	124
			-509	-491	-471	-447	-419	-385	-343	-292	-225	-137	-13
70	133.00	bu	-330	-310	-286	-258	-225	-186	-137	-77	0	103	248
			-468	-447	-423	-395	-362	-323	-275	-214	-137	-33	111
80	152.00	bu	-289	-265	-238	-206	-169	-124	-68	0	88	206	372
			-426	-403	-375	-343	-306	-261	-206	-137	-48	69	235
90	171.00	bu	-248	-221	-190	-155	-112	-62	0	77	177	310	496
			-385	-358	-328	-292	-249	-199	-137	-59	40	173	359
100	190.00	bu	-206	-177	-143	-103	-56	0	68	155	265	413	620
			-343	-314	-280	-240	-193	-137	-68	17	128	276	483
110	209.00	bu	-165	-132	-95	-51	0	62	137	232	354	517	744
			-302	-270	-232	-188	-137	-75	0	95	217	379	607
120	228.00	bu	-124	-88	-47	0	56	124	206	310	443	620	868
			-261	-225	-184	-137	-80	-13	69	173	306	483	731
130	247.00	bu	-82	-44	0	51	112	186	275	387	531	723	992
			-219	-181	-137	-85	-24	48	138	250	394	586	855
140	266.00	bu	-41	0	47	103	169	248	344	465	620	827	1116
			-178	-137	-89	-33	32	111	207	328	483	690	979
150	285.00	bu	0	44	95	155	225	310	413	542	709	930	1240
			-137	-92	-41	17	88	173	276	405	571	793	1103

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, 2023.

			BREAKEVEN PRICE										
Corn			3.08	3.27	3.49	3.75	4.05	4.41	4.85	5.41	6.12	7.07	8.40
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-367	-349	-329	-304	-276	-241	-199	-146	-79	10	137
			-505	-487	-466	-441	-413	-378	-336	-284	-216	-126	0
60	114.00	bu	-317	-295	-270	-241	-207	-165	-115	-52	28	137	288
			-454	-432	-407	-378	-344	-303	-252	-189	-108	0	151
70	133.00	bu	-266	-241	-212	-178	-138	-90	-31	42	137	263	440
			-404	-378	-349	-315	-275	-227	-168	-94	0	126	303
80	152.00	bu	-216	-187	-154	-115	-69	-14	52	137	245	389	591
			-353	-324	-291	-252	-206	-151	-84	0	108	252	454
90	171.00	bu	-165	-133	-95	-52	-0	61	137	231	353	515	743
			-303	-270	-233	-189	-137	-75	0	94	216	378	606
100	190.00	bu	-115	-79	-37	10	68	137	221	326	461	642	894
			-252	-216	-174	-126	-68	0	84	189	324	505	757
110	209.00	bu	-64	-25	20	74	137	212	305	421	570	768	1046
			-202	-162	-116	-63	0	75	168	284	432	631	909
120	228.00	bu	-14	28	78	137	206	288	389	515	678	894	1197
			-151	-108	-58	0	68	151	252	378	541	757	1060
130	247.00	bu	36	83	137	200	274	364	473	610	786	1021	1349
			-101	-54	0	63	137	227	336	473	649	883	1212
140	266.00	bu	86	137	195	263	343	440	558	705	894	1147	1500
			-50	0	58	126	206	303	420	568	757	1010	1363
150	285.00	bu	137	191	253	326	412	515	642	800	1003	1273	1652
			0	54	116	189	275	378	505	662	865	1136	1515

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.60	4.0000	30.40	_________
App by Air (3 gal)	appl	6.40	1.0000	6.40	_________
GIN/DRY					
Dry Corn	bu	0.19	160.0000	30.40	_________
FERTILIZERS					
LA Phosphate	lb	0.90	30.0000	27.00	_________
LA Potash	lb	0.67	60.0000	40.20	_________
LA Nitrogen	lb	0.78	180.0000	140.40	_________
Haul Corn	bu	0.23	160.0000	36.80	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.95	2.0000	9.90	_________
2,4-D Amine 4	pt	3.25	1.0000	3.25	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	3.15	5.0000	15.75	_________
Select 2EC	oz	0.87	6.0000	5.22	_________
INSECTICIDES					
Baythroid 2	oz	2.58	2.1300	5.50	_________
SEED/PLANTS					
Corn Seed BtRR	thous	3.75	32.0000	120.00	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_________
LA Hired Labor					
Implements	hour	13.67	0.1175	1.61	_________
Tractors	hour	13.67	0.5005	6.84	_________
DIESEL FUEL					
Tractors	gal	4.00	4.8007	19.22	_________
Harvesters	gal	4.00	1.2047	4.82	_________
REPAIR & MAINTENANCE					
Implements	Acre	11.50	1.0000	11.50	_________
Tractors	Acre	3.32	1.0000	3.32	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
INTEREST ON OP. CAP.	Acre	19.73	1.0000	19.73	_________
TOTAL DIRECT EXPENSES				592.29	_________
FIXED EXPENSES					
Implements	Acre	20.31	1.0000	20.31	_________
Tractors	Acre	23.33	1.0000	23.33	_________
Harvesters	Acre	18.06	1.0000	18.06	_________
TOTAL FIXED EXPENSES				61.70	_________
TOTAL SPECIFIED EXPENSES				653.99	_________

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, 2023.

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	59.00	19.47	19.47
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.93	2.01	0.34	0.78	0.08	1.16				6.22
LA Phosphate	lb											30.0000	0.90	27.00	27.00
LA Potash	lb											60.0000	0.67	40.20	40.20
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.72	3.01	0.95	2.84	0.04	0.67				10.19
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air (5 gal)	appl			1.00	Feb							1.0000	7.60	7.60	7.60
Glyphosate Plus 4L	pt											2.0000	4.95	9.90	9.90
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Roller	32'	MFWD 170	0.046	1.00	Mar	1.90	1.92	0.18	1.15	0.04	0.64				5.79
Plant - Folding	12R-38	MFWD 190	0.049	1.00	Mar	2.27	2.37	1.67	3.65	0.09	1.36				11.32
Corn Seed BtRR	thous											32.0000	3.75	120.00	120.00
LA Nitrogen	lb											30.0000	0.78	23.40	23.40
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Apr	2.84	3.15	1.07	1.37	0.07	1.06				9.49
LA Nitrogen	lb											150.0000	0.78	117.00	117.00
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	3.15	9.45	9.45
App by Air (5 gal)	appl			1.00	May							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	3.15	6.30	6.30
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.40	6.40	6.40
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	12R-30	275hp	0.085	1.00	Aug	8.93	18.06	2.66	4.53	0.08	1.41				35.59
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	2.96	2.77	2.90	1.99	0.08	1.13				11.75
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	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.87	5.22	5.22
TOTALS						31.47	41.39	11.50	20.31	0.70	9.86			519.73	634.26
INTEREST ON OPERATING CAPITAL															19.73
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															653.99

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, 2023.

			BREAKEVEN PRICE										
Corn			2.61	2.76	2.94	3.15	3.40	3.70	4.06	4.52	5.10	5.88	6.97
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-349	-336	-322	-305	-285	-261	-232	-196	-149	-87	0
			-410	-398	-383	-367	-347	-323	-294	-258	-211	-148	-61
60	96.00	bu	-314	-299	-281	-261	-238	-209	-174	-130	-74	0	104
			-375	-360	-343	-323	-299	-271	-236	-192	-136	-61	43
70	112.00	bu	-279	-261	-241	-218	-190	-157	-116	-65	0	87	209
			-340	-323	-303	-279	-252	-218	-178	-127	-61	25	147
80	128.00	bu	-244	-224	-201	-174	-142	-104	-58	0	74	174	314
			-306	-286	-263	-236	-204	-166	-119	-61	13	112	252
90	144.00	bu	-209	-187	-161	-130	-95	-52	0	65	149	261	418
			-271	-248	-222	-192	-156	-114	-61	3	87	200	357
100	160.00	bu	-174	-149	-120	-87	-47	0	58	130	224	349	523
			-236	-211	-182	-148	-109	-61	-3	69	162	287	461
110	176.00	bu	-139	-112	-80	-43	0	52	116	196	299	436	628
			-201	-173	-142	-105	-61	-9	54	134	237	374	566
120	192.00	bu	-104	-74	-40	0	47	104	174	261	374	523	733
			-166	-136	-101	-61	-14	43	112	200	312	461	671
130	208.00	bu	-69	-37	0	43	95	157	232	327	448	610	837
			-131	-99	-61	-18	33	95	171	265	387	549	776
140	224.00	bu	-34	0	40	87	142	209	290	392	523	698	942
			-96	-61	-21	25	81	147	229	331	461	636	880
150	240.00	bu	0	37	80	130	190	261	349	458	598	785	1047
			-61	-24	18	69	128	200	287	396	536	723	985

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, 2023.

			BREAKEVEN PRICE										
Corn			2.86	3.04	3.24	3.47	3.75	4.08	4.49	5.00	5.65	6.52	7.74
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-328	-314	-298	-279	-257	-230	-198	-157	-105	-35	61
			-390	-376	-360	-341	-319	-292	-260	-219	-167	-97	0
60	96.00	bu	-289	-272	-253	-230	-204	-172	-133	-84	-21	61	178
			-351	-334	-315	-292	-266	-234	-195	-146	-83	0	117
70	112.00	bu	-250	-230	-208	-182	-151	-113	-68	-11	61	159	295
			-312	-292	-270	-243	-212	-175	-130	-73	0	97	234
80	128.00	bu	-211	-189	-163	-133	-97	-55	-3	61	145	256	412
			-273	-250	-225	-195	-159	-117	-65	0	83	195	351
90	144.00	bu	-172	-147	-118	-84	-44	3	61	134	228	354	529
			-234	-209	-180	-146	-106	-58	0	73	167	292	468
100	160.00	bu	-133	-105	-73	-35	8	61	126	208	312	451	647
			-195	-167	-135	-97	-53	0	65	146	250	390	585
110	176.00	bu	-94	-63	-28	12	61	120	191	281	396	549	764
			-156	-125	-90	-48	0	58	130	219	334	487	702
120	192.00	bu	-55	-21	16	61	114	178	256	354	479	647	881
			-117	-83	-45	0	53	117	195	292	418	585	819
130	208.00	bu	-16	19	61	110	168	237	321	427	563	744	998
			-78	-41	0	48	106	175	260	365	501	682	936
140	224.00	bu	22	61	106	159	221	295	386	500	647	842	1115
			-39	0	45	97	159	234	325	439	585	780	1053
150	240.00	bu	61	103	151	208	274	354	451	573	730	939	1232
			0	41	90	146	212	292	390	512	668	878	1170

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, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	7.60	4.0000	30.40	_________
App by Air (3 gal)	appl	6.40	1.0000	6.40	_________
GIN/DRY					
Dry Corn	bu	0.19	190.0000	36.10	_________
FERTILIZERS					
LA Phosphate	lb	0.90	30.0000	27.00	_________
LA Potash	lb	0.67	60.0000	40.20	_________
LA Nitrogen	lb	0.78	210.0000	163.80	_________
Haul Corn	bu	0.23	190.0000	43.70	_________
HERBICIDES					
Glyphosate Plus 4L	pt	4.95	2.0000	9.90	_________
2,4-D Amine 4	pt	3.25	1.0000	3.25	_________
Valor WP	oz	3.20	1.0000	3.20	_________
Roundup WeatherMax	oz	0.19	66.0000	12.54	_________
Atrazine 4L	pt	3.15	5.0000	15.75	_________
Select 2EC	oz	0.87	6.0000	5.22	_________
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	3.75	35.0000	131.25	_________
SERVICE FEE					
Digital Ag Fee	acre	10.00	1.0000	10.00	_________
Soil Test	acre	10.00	0.3300	3.30	_________
CUSTOM FERT/LIME					
Lime (Spread)	ton	59.00	0.3300	19.47	_________
OPERATOR LABOR					
Harvesters	hour	16.54	0.0851	1.41	_________
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	_________
LA Hired Labor					
Implements	hour	13.67	0.1175	1.61	_________
Tractors	hour	13.67	0.7936	10.85	_________
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_________
DIESEL FUEL					
Tractors	gal	4.00	7.6282	30.52	_________
Harvesters	gal	4.00	1.2047	4.82	_________
Roll-Out Pipe Irr.	gal	4.00	8.5535	34.20	_________
REPAIR & MAINTENANCE					
Implements	Acre	11.93	1.0000	11.93	_________
Tractors	Acre	5.26	1.0000	5.26	_________
Harvesters	Acre	4.11	1.0000	4.11	_________
Roll-Out Pipe Irr.	Acre	7.16	1.0000	7.16	_________
INTEREST ON OP. CAP.	Acre	23.03	1.0000	23.03	_________

TOTAL DIRECT EXPENSES				711.93	_________
FIXED EXPENSES					
Implements	Acre	21.69	1.0000	21.69	_________
Tractors	Acre	37.03	1.0000	37.03	_________
Harvesters	Acre	18.06	1.0000	18.06	_________
Roll-Out Pipe Irr.	Acre	59.91	1.0000	59.91	_________

TOTAL FIXED EXPENSES				136.69	_________

TOTAL SPECIFIED EXPENSES				848.62	_________

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, 2023.

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	59.00	19.47	19.47
Spin Spreader	5 ton	MFWD 190	0.042	1.00	Sep	1.93	2.01	0.34	0.78	0.08	1.16				6.22
LA Phosphate	lb											30.0000	0.90	27.00	27.00
LA Potash	lb											60.0000	0.67	40.20	40.20
Disk Harrow	28'	MFWD 225	0.070	1.00	Sep	3.86	4.28	1.46	3.49	0.07	0.96				14.05
Disk Bed (Hipper)	12R-38	MFWD 225	0.049	1.00	Oct	2.72	3.01	0.95	2.84	0.04	0.67				10.19
Land Plane	40'x10'	MFWD 190	0.242	0.20	Oct	2.23	2.32	0.06	0.18	0.04	0.66				5.45
Ditcher		2WD 130	0.020	1.00	Oct	0.61	0.50	0.07	0.11	0.02	0.27				1.56
App by Air (5 gal)	appl			1.00	Feb							1.0000	7.60	7.60	7.60
Glyphosate Plus 4L	pt											2.0000	4.95	9.90	9.90
2,4-D Amine 4	pt											1.0000	3.25	3.25	3.25
Valor WP	oz											1.0000	3.20	3.20	3.20
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Roller	32'	MFWD 170	0.046	1.00	Mar	1.90	1.92	0.18	1.15	0.04	0.64				5.79
Plant - Folding	12R-38	MFWD 190	0.049	1.00	Mar	2.27	2.37	1.67	3.65	0.09	1.36				11.32
Corn Seed BtRR	thous											35.0000	3.75	131.25	131.25
LA Nitrogen	lb											30.0000	0.78	23.40	23.40
Ditcher		2WD 130	0.020	1.00	Mar	0.61	0.50	0.07	0.11	0.02	0.27				1.56
Fert Appl (Liquid)	12R-38	MFWD 225	0.051	1.00	Apr	2.84	3.15	1.07	1.37	0.07	1.06				9.49
LA Nitrogen	lb											180.0000	0.78	140.40	140.40
App by Air (5 gal)	appl			1.00	Apr							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Dual 8E	pt											1.0000			
Atrazine 4L	pt											3.0000	3.15	9.45	9.45
App by Air (5 gal)	appl			1.00	May							1.0000	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Atrazine 4L	pt											2.0000	3.15	6.30	6.30
App by Air (3 gal)	appl			1.00	Jun							1.0000	6.40	6.40	6.40
Baythroid 2	oz											2.1300	2.58	5.50	5.50
Header - Corn	12R-30	275hp	0.085	1.00	Aug	8.93	18.06	2.66	4.53	0.08	1.41				35.59
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	2.96	2.77	2.90	1.99	0.08	1.13				11.75
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	7.60	7.60	7.60
Roundup WeatherMax	oz											22.0000	0.19	4.18	4.18
Select 2EC	oz											6.0000	0.87	5.22	5.22
Roll-Out Pipe Irr.	Acre				Jul	13.24	13.70	41.79	61.29	0.44	6.14	1.0000		7.92	144.08
TOTALS						44.71	55.09	53.29	81.60	1.15	16.00			574.90	825.59
INTEREST ON OPERATING CAPITAL															23.03
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															848.62

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, 2023.

			BREAKEVEN PRICE										
Corn			2.64	2.79	2.98	3.19	3.44	3.74	4.11	4.57	5.16	5.95	7.06
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-420	-405	-387	-367	-343	-315	-280	-236	-180	-105	0
			-556	-541	-524	-504	-480	-451	-416	-373	-316	-241	-136
60	114.00	bu	-378	-360	-339	-315	-286	-252	-210	-157	-90	0	126
			-514	-496	-476	-451	-423	-388	-346	-294	-226	-136	-10
70	133.00	bu	-336	-315	-290	-262	-229	-189	-140	-78	0	105	252
			-472	-451	-427	-399	-365	-325	-276	-215	-136	-31	115
80	152.00	bu	-294	-270	-242	-210	-171	-126	-70	0	90	210	378
			-430	-406	-379	-346	-308	-262	-206	-136	-46	73	241
90	171.00	bu	-252	-225	-193	-157	-114	-63	0	78	180	315	504
			-388	-361	-330	-294	-251	-199	-136	-57	43	178	367
100	190.00	bu	-210	-180	-145	-105	-57	0	70	157	270	420	630
			-346	-316	-282	-241	-194	-136	-66	20	133	283	493
110	209.00	bu	-168	-135	-96	-52	0	63	140	236	360	525	756
			-304	-271	-233	-189	-136	-73	3	99	223	388	619
120	228.00	bu	-126	-90	-48	0	57	126	210	315	450	630	882
			-262	-226	-185	-136	-79	-10	73	178	313	493	745
130	247.00	bu	-84	-45	0	52	114	189	280	394	540	735	1008
			-220	-181	-136	-84	-22	52	143	257	403	598	871
140	266.00	bu	-42	0	48	105	171	252	350	472	630	840	1134
			-178	-136	-88	-31	35	115	213	336	493	703	998
150	285.00	bu	0	45	96	157	229	315	420	551	720	945	1260
			-136	-91	-39	20	92	178	283	414	583	808	1124

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, 2023.

			BREAKEVEN PRICE										
Corn			3.12	3.31	3.53	3.79	4.09	4.46	4.91	5.47	6.19	7.15	8.50
PERCENT	YIELD	UNIT	dollars										
50	95.00	bu	-374	-356	-335	-310	-281	-246	-204	-150	-82	8	136
			-511	-493	-472	-447	-418	-383	-340	-287	-219	-127	0
60	114.00	bu	-323	-301	-276	-246	-212	-170	-119	-55	27	136	290
			-460	-438	-413	-383	-348	-306	-255	-191	-109	0	153
70	133.00	bu	-272	-246	-217	-182	-142	-93	-33	40	136	264	443
			-409	-383	-354	-319	-278	-230	-170	-95	0	127	306
80	152.00	bu	-221	-192	-158	-119	-72	-16	51	136	246	392	596
			-357	-328	-295	-255	-209	-153	-85	0	109	255	460
90	171.00	bu	-170	-137	-99	-55	-2	59	136	232	355	520	750
			-306	-273	-236	-191	-139	-76	0	95	219	383	613
100	190.00	bu	-119	-82	-40	8	66	136	221	328	465	648	903
			-255	-219	-177	-127	-69	0	85	191	328	511	767
110	209.00	bu	-67	-27	18	72	136	213	307	424	575	775	1057
			-204	-164	-118	-63	0	76	170	287	438	639	920
120	228.00	bu	-16	27	77	136	206	290	392	520	684	903	1210
			-153	-109	-59	0	69	153	255	383	547	767	1073
130	247.00	bu	34	81	136	200	276	366	477	616	794	1031	1364
			-102	-54	0	63	139	230	340	479	657	894	1227
140	266.00	bu	85	136	195	264	345	443	562	712	903	1159	1517
			-51	0	59	127	209	306	426	575	767	1022	1380
150	285.00	bu	136	191	254	328	415	520	648	807	1013	1287	1670
			0	54	118	191	278	383	511	671	876	1150	1534

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

Appendix Table 1 Estimated costs per Acre
Poly pipe irrigation system, 160 acres
applying 10.5 inches in three applications Louisiana, 2023.

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
IRRIGATION LABOR					
Implements	hour	13.67	0.0062	0.09	_________
LA Hired Labor					
Tractors	hour	13.67	0.2930	4.01	_________
LA Irrigation Labor					
Special Labor	hour	13.67	0.1500	2.04	_________
DIESEL FUEL					
Tractors	gal	4.00	2.8274	11.30	_________
Engine, RPF, 75	gal	4.00	8.5535	34.20	_________
REPAIR & MAINTENANCE					
Implements	Acre	0.43	1.0000	0.43	_________
Tractors	Acre	1.94	1.0000	1.94	_________
Well & Pump, Furrow	each	472.80	0.0062	2.96	_________
Engine, RPF, 75	ac-in	0.39	10.5000	4.20	_________
INTEREST ON OP. CAP.	Acre	1.50	1.0000	1.50	_________

TOTAL DIRECT EXPENSES				70.59	_________
FIXED EXPENSES					
Implements	Acre	1.38	1.0000	1.38	_________
Tractors	Acre	13.70	1.0000	13.70	_________
Well & Pump, Furrow	each	1675.26	0.0062	10.47	_________
Main Line Pipe	each	926.07	0.0062	5.79	_________
Land Forming ($300)	each	33.16	1.0000	33.17	_________
Engine, RPF, 75	each	1676.52	0.0062	10.48	_________

TOTAL FIXED EXPENSES				74.99	_________

TOTAL SPECIFIED EXPENSES				145.58	_________

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

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
LA Hired Labor					
Special Labor	hour	13.67	0.2036	2.79	_________
DIESEL FUEL					
Engine, 1/4 CP, 65	gal	4.00	11.2011	44.80	_________
REPAIR & MAINTENANCE					
Well & Pump, 1/4 CP	each	472.80	0.0074	3.50	_________
Engine, 1/4 CP, 65	ac-in	0.66	7.5000	4.97	_________
Pivot, 1/4 CP	1320'	1820.00	0.0074	13.48	_________
INTEREST ON OP. CAP.	Acre	1.68	1.0000	1.68	_________

TOTAL DIRECT EXPENSES				71.22	_________
FIXED EXPENSES					
Well & Pump, 1/4 CP	each	1675.26	0.0074	12.41	_________
Engine, 1/4 CP, 65	each	1676.52	0.0074	12.42	_________
Pivot, 1/4 CP	each	8523.10	0.0074	63.13	_________

TOTAL FIXED EXPENSES				87.96	_________

TOTAL SPECIFIED EXPENSES				159.18	_________

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

ITEM NAME	UNIT	PRICE
		dollars
ADJUVANTS		
Surfactant	pt	3.30
CUSTOM FERT/LIME		
Lime (Spread)	ton	59.00
CUSTOM HARVEST/HAUL		
Haul Rice	bu	0.35
Haul Rice (cwt)	cwt	0.25
Haul Sorghum	bu	0.25
Haul Soybeans	bu	0.27
Haul Wheat	bu	0.26
LARice Haul	cwt	0.30
CUSTOM PLANT		
Custom Spread + Seed	appl	0.00
LARice Air Plant SW	cwt	5.60
Plant by Air	cwt	8.00
CUSTOM SPRAY		
App 2,4-D Helicopter	appl	0.00
App by Air (1 gal)	appl	2.50
App by Air (2 gal)	appl	9.00
App by Air (3 gal)	appl	6.40
App by Air (5 gal)	appl	7.60
App by Air (10 gal)	appl	9.70
App Furadan by Air	appl	0.00
App Ordram by Air	appl	0.00
Custom Terragator	acre	5.00
LARice GPS Charge-SW	acre	0.35
LARice GPS Charge_NE	acre	0.25
Spray Levees, 4whlr	acre	0.00
FERTILIZERS		
Amm Nitrate (34% N)	cwt	22.50
Amm Sulfate (21% N)	cwt	50.00
Anhy Ammonia (82% N)	cwt	28.00
Boron (Solubor)	lb	0.75
Crop Oil (Seed Oil)	pt	2.90
DAP	cwt	55.40
Fert 0-20-20	cwt	0.00
Fert 10-10-10	cwt	0.00
Fert 10-34-0	cwt	45.99
Fert 10-34-0	gal	5.36
Fert 13-13-13	cwt	0.00
Fert 41-0-0-4	cwt	37.06
Fert 5-20-20	cwt	0.00
Haul Corn	bu	0.23
Haul Cotton	lb	0.02
LA Nitrogen	lb	0.78
LA Phosphate	lb	0.90
LA Potash	lb	0.67
Phosphorus(46% P2O5)	cwt	50.00
Potash (60% K2O)	cwt	46.61
Sulfur	lb	0.34
UAN (32% N)	cwt	38.90
UAN + Sulfur (28% N)	cwt	14.49
Urea, Solid (46% N)	cwt	28.63
Zinc	lb	0.50
FUNGICIDES		
Apron Maxx RTA	oz	1.00
Apron XL	oz	6.98
Apron XL LS	oz	5.27
Benlate 50 WP	lb	15.95
Captan 4L	pt	2.83
Captan 50 WP	lb	6.13
Crop Oil (Petroleum)	pt	2.90
Cruiser 5FS	oz	0.90
Delta Coat AD	oz	3.75
Dithane F-45	qt	7.81
Dithane Rainsheild	lb	4.08
Fungicide	lb	2.82
Gem 25 WG	oz	3.70
Manzate 75 DF	lb	4.86
Manzate Flowable	pt	4.60
Moncut 70 DF	lb	32.81
Orbit	oz	2.75
Prevail	lb	28.50
Quadris	oz	6.73
Ridomil GoldPC 10G	lb	2.08

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

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

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

ITEM NAME	UNIT	PRICE
		dollars
HERBICIDES CONT'D		
Bicep II zmsgnum	qt	11.18
Bladex 4L	qt	0.00
Bladex 90DF	lb	0.00
Blazer 2L	pt	0.00
Blazer Ultra	pt	9.79
Boa	pt	3.63
Bolero 8EC	pt	7.73
Boundary	pt	11.07
Buctril 4EC	pt	4.28
Butoxone 175(2,4-DB)	pt	3.24
Butoxone 200(2,4-DB)	pt	3.92
Butyrac 175 (2,4-DB)	pt	3.29
Butyrac 200 (2,4-DB)	pt	4.06
Canopy 75%	oz	3.25
Canopy XL	oz	3.25
Caparol 4L	pt	4.97
Caparol Accu-Pak	lb	0.00
Celebrity Plus	lb	84.50
Clarity	pt	14.30
Classic	oz	18.50
Clincher EC	oz	2.09
Cobra 2EC	oz	1.23
Command 3ME	pt	18.00
Command XTRA	pt	0.00
Conclude Ultra	pt	0.00
Conclude Ultra	pt	0.00
Conclude XACT	pt	11.32
Conclude XTRA	pt	8.32
Cornerstone	pt	2.50
Cotoran 4L	pt	6.37
Cotoran DF	lb	7.92
Cotton Pro Flowable	pt	3.75
Crossbow	pt	8.05
Cy-Pro 4L	qt	0.00
Cypro 90DF	lb	0.00
Delta Goal	pt	9.44
Denim 0.16 EC	pt	24.06
Detail	pt	7.99
Direx 4L	pt	3.02
Direx 80 DF	lb	6.20
Diuron 4L	pt	3.25
Diuron 80 DF	lb	5.50
Domain 60DF	lb	12.75
DSMA 4	pt	0.90
Dual 8E	pt	0.00
Dual II Magnum	pt	11.60
Dual Magnum	pt	11.45
Duet	pt	6.09
Evik DF 80W	lb	11.22
Exceed	oz	10.71
Exceed Custom Pak	oz	11.50
Expert	pt	4.39
Facet 75DF	lb	50.00
First Rate	oz	37.99
Flexstar HL	pt	6.88
FloMet 4L	pt	4.74
Freedom	qt	2.51
Front Row	oz	21.92
Frontier 6.0	oz	0.63
Fultime	pt	6.29
Fusilade DX	oz	1.19
Fusion	pt	29.86
Glyfos	pt	1.80
Glyphomax	pt	3.49
Glyphosate Plus 4L	pt	4.95
Glystar Plus	pt	2.17
Goal 2XL	pt	8.75
Gramoxone Extra	pt	0.00
Gramoxone Max	pt	3.00
Gramoxone Max	pt	3.00
Grandstand R	qt	18.68
Guardsman	pt	4.66
Guardsman Max	pt	7.22
Harmony Extra	oz	10.34

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	---R&M---- Imp.	P.U.	Total Direct	--Fixed--- Imp.	P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Heavy Disk	21'	MFWD 170	40,600	180	10	0.097	1.33	3.40	1.09	0.56	6.39	2.63	3.99	13.02
Heavy Disk	27'	MFWD 190	50,400	180	10	0.075	1.03	2.96	1.05	0.51	5.56	2.54	3.61	11.71
LA Boom Sprayer	30 ft	MFWD 150	3,000	150	10	0.059	0.82	1.85	0.13	0.29	3.10	0.16	2.01	5.27
Land Plane	40'x10'	MFWD 190	6,020	200	10	0.242	3.31	9.49	0.29	1.63	14.73	0.87	11.58	27.19
Land Plane	50'x16'	MFWD 190	13,000	200	10	0.151	2.07	5.93	0.39	1.02	9.42	1.18	7.23	17.84
LARice Backhoe-Rrmnt	2 ft	MFWD 150	6,000	100	10	0.500	6.83	15.44	2.64	2.46	27.38	4.03	16.81	48.23
LARice Land Level	13 ft	MFWD 150	7,500	200	15	0.190	2.59	5.87	0.15	0.93	9.56	0.74	6.39	16.70
LARice Levee Plow	8 ft	4WD 300	4,600	150	10	0.050	0.68	3.08	0.07	0.58	4.43	0.20	4.16	8.80
LARice Water Level	24 ft	4WD 300	3,500	100	15	0.149	2.04	9.26	0.23	1.76	13.30	0.55	12.48	26.34
Levee Splitter (1/80	2 blade	2WD 150	9,220	50	10	0.004	0.05	0.12	0.00	0.01	0.20	0.09	0.11	0.41
Lo-Till & Bed	4R-38	MFWD 190	5,100	150	12	0.145	1.98	5.69	0.26	0.98	8.93	0.55	6.94	16.43
Middle Buster	6R-38	MFWD 150	12,800	160	8	0.120	1.64	3.71	0.36	0.59	6.30	1.27	4.04	11.62
Middle Buster	8R-30	MFWD 190	20,800	160	8	0.114	1.56	4.46	0.55	0.77	7.35	1.96	5.45	14.77
Middle Buster	8R-38	MFWD 190	18,100	160	8	0.090	1.23	3.53	0.38	0.60	5.75	1.35	4.30	11.42
Middle Buster	8R-40 2x1	MFWD 190	29,200	160	8	0.060	0.82	2.35	0.41	0.40	3.98	1.45	2.86	8.31
Middle Buster	10R-30	MFWD 225	29,300	160	8	0.091	1.24	4.23	0.62	0.78	6.89	2.21	5.57	14.68
Middle Buster	10R-38	MFWD 225	32,100	160	8	0.072	0.98	3.33	0.54	0.62	5.48	1.91	4.39	11.79
Middle Buster	12R-38	MFWD 225	29,200	160	8	0.060	0.82	2.78	0.41	0.51	4.53	1.45	3.66	9.65
Module Builder-1st	2R-38(157)	MFWD 190	31,300	200	10	0.519	14.20	20.32	4.06	3.50	42.10	9.45	24.80	76.36
Module Builder-1st	4R-30(255)	MFWD 190	34,700	200	10	0.327	8.95	12.80	2.84	2.20	26.80	6.60	15.62	49.03
Module Builder-1st	4R-30(325)	MFWD 190	34,700	200	10	0.327	8.95	12.80	2.84	2.20	26.80	6.60	15.62	49.03
Module Builder-1st	4R-38(255)	MFWD 190	34,700	200	10	0.257	7.04	10.08	2.23	1.74	21.10	5.20	12.30	38.61
Module Builder-1st	4R-38(325)	MFWD 190	34,700	200	10	0.257	7.04	10.08	2.23	1.74	21.10	5.20	12.30	38.61
Module Builder-1st	4R2x1260hp	MFWD 190	34,700	200	10	0.172	4.71	6.74	1.49	1.16	14.10	3.47	8.22	25.80
Module Builder-1st	5R-30(255)	MFWD 190	34,700	200	10	0.261	7.16	10.24	2.27	1.76	21.44	5.28	12.50	39.22
Module Builder-1st	5R-38(255)	MFWD 190	34,700	200	10	0.207	5.66	8.10	1.79	1.39	16.96	4.17	9.88	31.03
Module Builder-1st	6R-30(325)	MFWD 190	34,700	200	10	0.218	5.96	8.53	1.89	1.47	17.87	4.40	10.41	32.69
Module Builder-1st	6R-38(325)	MFWD 190	34,700	200	10	0.172	4.71	6.74	1.49	1.16	14.10	3.47	8.22	25.80
Module Builder-2nd	2R-38(157)	MFWD 190	34,700	200	10	0.440	12.03	17.21	3.81	2.97	36.04	8.87	21.00	65.93
Module Builder-2nd	4R-30(255)	MFWD 190	34,700	200	10	0.277	7.58	10.84	2.40	1.87	22.70	5.59	13.23	41.53
Module Builder-2nd	4R-30(325)	MFWD 190	34,700	200	10	0.277	7.58	10.84	2.40	1.87	22.70	5.59	13.23	41.53
Module Builder-2nd	4R-38(255)	MFWD 190	34,700	200	10	0.218	5.96	8.54	1.89	1.47	17.87	4.40	10.42	32.70
Module Builder-2nd	4R-38(325)	MFWD 190	34,700	200	10	0.218	5.96	8.54	1.89	1.47	17.87	4.40	10.42	32.70
Module Builder-2nd	4R2x1 255	MFWD 190	34,700	200	10	0.145	3.99	5.70	1.26	0.98	11.95	2.94	6.96	21.86
Module Builder-2nd	5R-30(255)	MFWD 190	34,700	200	10	0.221	6.06	8.67	1.92	1.49	18.16	4.47	10.58	33.22
Module Builder-2nd	5R-38(255)	MFWD 190	34,700	200	10	0.175	4.79	6.86	1.52	1.18	14.37	3.54	8.37	26.28
Module Builder-2nd	6R-30(325)	MFWD 190	34,700	200	10	0.184	5.05	7.23	1.60	1.24	15.13	3.72	8.82	27.69
Module Builder-2nd	6R-38(325)	MFWD 190	34,700	200	10	0.145	3.99	5.70	1.26	0.98	11.95	2.94	6.96	21.86
Module Builder-Strip	13' Bcast	MFWD 150	34,700	200	10	0.251	6.88	7.77	2.18	1.24	18.09	5.08	8.46	31.63
Module Builder-Strip	16' Bcast	MFWD 150	34,700	200	10	0.204	5.59	6.31	1.77	1.01	14.69	4.12	6.88	25.70
Module Builder-Strip	19' Brush	MFWD 150	34,700	200	10	0.172	4.71	5.32	1.49	0.85	12.37	3.47	5.79	21.64
Module Builder-Strip	4R-30	MFWD 150	34,700	200	10	0.327	8.95	10.11	2.84	1.61	23.51	6.60	11.00	41.13
Module Builder-Strip	4R-30 2X1	MFWD 150	34,700	200	10	0.218	5.96	6.74	1.89	1.07	15.67	4.40	7.33	27.41
Module Builder-Strip	4R-38	MFWD 150	34,700	200	10	0.257	7.04	7.96	2.23	1.27	18.51	5.20	8.66	32.38
Module Builder-Strip	4R-38 2X1	MFWD 150	34,700	200	10	0.172	4.71	5.32	1.49	0.85	12.37	3.47	5.79	21.64
Module Builder-Strip	5R-30	MFWD 150	34,700	200	10	0.261	7.16	8.08	2.27	1.29	18.81	5.28	8.80	32.90
Module Builder-Strip	5R-38	MFWD 150	34,700	200	10	0.207	5.66	6.39	1.79	1.02	14.88	4.17	6.96	26.03
Module Builder-Strip	6R-30	MFWD 150	34,700	200	10	0.218	5.96	6.74	1.89	1.07	15.67	4.40	7.33	27.41
NT Grain Drill	12'	2WD 130	50,200	150	8	0.163	4.47	4.38	3.08	0.60	12.53	6.72	4.09	23.36
NT Grain Drill & Pre	15'	MFWD 150	68,700	150	8	0.141	3.85	4.35	3.63	0.69	12.54	7.93	4.74	25.21
NT Grain Drill & Pre	20'	MFWD 170	86,500	150	8	0.105	2.89	3.70	3.43	0.61	10.63	7.49	4.34	22.47
NT Grain Drill & Pre	24'	MFWD 190	116,600	150	8	0.088	2.40	3.44	3.85	0.59	10.30	8.41	4.20	22.92
NT Grain Drill & Pre	30'	MFWD 225	115,500	150	8	0.070	1.92	3.26	3.05	0.60	8.85	6.66	4.30	19.82
NT Plant&Pre-Folding	8R-38	MFWD 170	67,800	150	8	0.083	2.28	2.92	2.12	0.48	7.82	4.64	3.43	15.90
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	107,000	150	8	0.055	1.52	1.94	2.23	0.32	6.02	4.87	2.28	13.19
NT Plant&Pre-Folding	10R-30	MFWD 190	57,555	150	8	0.084	2.31	3.31	1.82	0.57	8.02	3.98	4.03	16.04
NT Plant&Pre-Folding	10R-38	MFWD 190	52,893	150	8	0.066	1.82	2.61	1.32	0.45	6.20	2.88	3.18	12.28
NT Plant&Pre-Folding	12R-20	MFWD 190	82,800	150	8	0.105	2.89	4.13	3.28	0.71	11.02	7.16	5.04	23.24
NT Plant&Pre-Folding	12R-30	MFWD 190	101,000	150	8	0.070	1.92	2.75	2.67	0.47	7.83	5.83	3.36	17.02
NT Plant&Pre-Folding	12R-38	MFWD 190	111,800	150	8	0.055	1.52	2.17	2.33	0.37	6.40	5.09	2.65	14.16
NT Plant&Pre-Folding	16R-30	MFWD 190	149,400	150	8	0.052	1.44	2.06	2.96	0.35	6.83	6.46	2.52	15.82
NT Plant&Pre-Folding	23R-15	MFWD 190	203,900	150	8	0.073	2.00	2.87	5.61	0.49	10.99	12.26	3.50	26.75
NT Plant&Pre-Folding	24R-20	MFWD 190	238,100	150	8	0.052	1.44	2.06	4.72	0.35	8.59	10.30	2.52	21.42
NT Plant&Pre-Folding	24R-30	MFWD 190	224,900	150	8	0.035	0.96	1.37	2.97	0.23	5.55	6.49	1.68	13.72
NT Plant&Pre-Rigid	4R-30	2WD 130	37,700	150	8	0.211	5.78	5.66	2.99	0.77	15.21	6.52	5.29	27.03
NT Plant&Pre-Rigid	4R-38	2WD 130	34,500	150	8	0.166	4.55	4.45	2.15	0.61	11.77	4.70	4.16	20.65
NT Plant&Pre-Rigid	6R-30	MFWD 150	47,400	150	8	0.141	3.85	4.35	2.50	0.69	11.41	5.47	4.74	21.62
NT Plant&Pre-Rigid	6R-38	MFWD 150	47,500	150	8	0.111	3.04	3.43	1.98	0.54	9.01	4.32	3.74	17.08
NT Plant&Pre-Rigid	8R-22	MFWD 170	26,219	150	8	0.143	3.93	5.03	1.41	0.83	11.22	3.08	5.91	20.22
NT Plant&Pre-Rigid	8R-30	MFWD 170	60,300	150	8	0.105	2.89	3.70	2.39	0.61	9.60	5.22	4.34	19.16
NT Plant&Pre-Rigid	8R-38	MFWD 170	56,200	150	8	0.077	2.11	2.70	1.62	0.44	6.88	3.55	3.17	13.60
NT Plant&Pre-Rigid	10R-30	MFWD 190	51,900	150	8	0.084	2.31	3.31	1.64	0.57	7.84	3.59	4.03	15.47
NT Plant&Pre-Rigid	12R-20	MFWD 190	66,600	150	8	0.105	2.89	4.13	2.64	0.71	10.38	5.76	5.04	21.20
NT Plant&Pre-Rigid	12R-30	MFWD 190	86,600	150	8	0.070	1.92	2.75	2.28	0.47	7.45	4.99	3.36	15.81
NT Plant-Folding	8R-38	MFWD 170	72,900	150	8	0.077	2.12	2.71	2.12	0.45	7.41	4.63	3.19	15.23
NT Plant-Folding	8R-38 2x1	MFWD 170	102,200	150	8	0.051	1.41	1.80	1.98	0.30	5.50	4.32	2.12	11.95
NT Plant-Folding	10R-30	MFWD 190	52,061	150	8	0.078	2.14	3.07	1.53	0.53	7.28	3.34	3.75	14.38
NT Plant-Folding	10R-38	MFWD 190	47,646	150	8	0.061	1.69	2.42	1.10	0.41	5.64	2.41	2.95	11.01
NT Plant-Folding	12R-20	MFWD 190	77,500	150	8	0.098	2.68	3.84	2.85	0.66	10.04	6.23	4.68	20.96
NT Plant-Folding	12R-30	MFWD 190	91,300	150	8	0.065	1.79	2.56	2.24	0.44	7.03	4.89	3.12	15.05
NT Plant-Folding	12R-38	MFWD 190	102,300	150	8	0.051	1.41	2.02	1.98	0.34	5.76	4.32	2.46	12.56
NT Plant-Folding	16R-30	MFWD 190	139,000	150	8	0.049	1.34	1.92	2.55	0.33	6.15	5.58	2.34	14.08
NT Plant-Folding	23R-15	MFWD 190	193,000	150	8	0.068	1.86	2.66	4.93	0.46	9.92	10.77	3.25	23.96

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

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

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

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