Projected Costs and Returns
Crop Enterprise Budgets
For Sweet Potato Production in Louisiana, 2025

Kurt Guidry and Cole Gregorie

Department of Agricultural Economics and Agribusiness
Louisiana State University Agricultural Center
Agricultural Economics Information Report Series No. 386 – March 2025

www.lsuagcenter.com

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Introduction

This publication presents estimates of projected costs and returns for sweet potato production in Louisiana for the 2025 crop year. 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 potential market returns for the 2025 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 for the crop enterprise. The second budget format (Table B) provides the sequence of production activities and operations assumed to be conducted by the producer throughout the planting, growing, and harvest seasons. For each activity, the table provides the equipment and implements used, the month of operation, the amount of labor required, the amount of machine time required, and any inputs used. Labor costs, input costs, custom application/service costs, and direct and fixed costs for tractors and equipment are included for each activity. All costs are summed to provide an estimate of the total cost per activity. In addition, projected returns at various yield and price levels are provided in subsequent tables (Tables C through E).

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 through a combination of surveying farm input and service suppliers and collecting price data available through the Mississippi State Budget Generator Program. This input price data forms the basis for estimating 2025 planning budgets. Machinery and other input cost data are presented in the Appendix of this report.

The budgets included in this report represent the most common production and harvest strategies being employed by commercial sweet potato producers in Louisiana. All budgets 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.

The budgets included in this report were developed using the same computational procedures as utilized by the Mississippi State Budget Generator Program and as used by the LSU AgCenter in developing budgets for other row crop commodities. The Mississippi State Budget Generator provides a standard format for crop and livestock budgets and the computational procedures utilized are widely accepted for estimating projected commodity costs for 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. Market returns are based on assumptions about market prices and crop yields. Projected crop yields were based on conversations with producers and LSU AgCenter sweet potato production specialist regarding their expectations for expected yields given normal weather conditions. Projected market prices were also developed based on conversations with industry personnel regarding current and projected price movement. No estimate of income from farm program participation or crop insurance is included in these 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 based on a specific set of production activities assumed conducted throughout the production period. These set of production activities were identified through meetings with producers and LSU AgCenter sweet production specialists. These production strategies represent the most commonly utilized strategies in the production of sweet potatoes in Louisiana. Costs associated with conducting these activities are estimated using input price data collected through industry surveys and from the Mississippi State Budget Generator Program. 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 custom application rates are presented in the appendix.

Hired labor was charged at $14.83 per hour for all classes of labor. This wage rate includes a basic wage rate set at the adverse wage rate for Louisiana plus additional costs for social security, Medicare, and workman's compensation. While farm labor may not be generally available on an hourly basis, any hourly charge represents a practical method for charging labor to the respective crop enterprises on a per acre basis.

Interest on operating capital (short term) was charged at a nominal rate of 8.25% per year. Operating capital was assumed to be borrowed in a manner consistent with the timely acquisition of inputs. Fuel price for diesel was set at $2.80 per gallon and gasoline was set at $2.50 per gallon. Variable costs for tractors, self-propelled machinery, and irrigation machinery include the cost of fuel, lubrication, and repair.

The intermediate interest rate was charged at an historical real rate of 8.50%. The reasoning behind the difference in short and intermediate term rates is that longer term nominal rates are highly variable and closely follow the trend set by the rate of inflation. Intermediate 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 combination of a survey of machinery dealers and data available through the Mississippi State Budget Generator Program. For specialized machinery for sweet potato production, cost data were obtained through communication with producers and LSU AgCenter sweet potato production specialist. New machinery prices were used to reflect the economic cost of acquiring and maintaining capital assets in current dollar values. Purchase prices for 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, salvage value, 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 cost 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, a set of net return tables are included. These tables provide net returns above total specified costs and represent returns to land, management, and general farm overhead. In other words, the returns would be what is left after paying direct and fixed expenses and would be available for paying land, management and overhead expenses.

Acknowledgements

The authors are indebted to Louisiana sweet potato producers and LSU AgCenter Extension Service agents and Experiment Station scientists for their cooperation and assistance in providing specific production practice information.

Table 1A. Estimated Costs per Acre, Sweet Potato Produciton, Mother Beds, Louisiana 2025

ITEM	Unit	Price	Quantity	Amount	Your Value
DIRECT EXPENSES					
Seed					
Producer Grown	bu.	$18.00	1,125.00	$20,250.00	
Foundation Seed	bu.	$20.00	375.00	$7,500.00	
Fertilizer					
Nitrogen	lbs.	$0.52	40.00	$20.80	
Phosphate	lbs.	$0.79	120.00	$94.80	
Potash	lbs.	$0.38	120.00	$45.60	
Herbicide					
Command 3ME	pts.	$17.50	1.34	$23.36	
Insecticide					
Brigade EC	oz.	$1.27	3.20	$4.05	
Leverage	oz.	$2.03	2.80	$5.69	
Fungicide					
Botran 75W	lbs.	$17.18	2.25	$38.66	
Labor	lb.				
Tractors	hr.	$14.83	4.65	$69.03	
Self-Propels	hr.	$14.83	0.36	$5.38	
Other Hired Labor	hr.	$14.83	10.00	$148.30	
Fuel					
Tractors	gal.	$2.80	18.62	$52.13	
Self-Propels	gal.	$2.80	0.35	$0.99	
Repair and Maintenance					
Tractor	acre	$13.18	1.00	$13.18	
Self-Propels	acre	$0.30	1.00	$0.30	
Implements	acre	$28.48	1.00	$28.48	
Other Inputs					
Plastic Mulch	roll	$238.20	3.00	$714.60	
Interest on Operating Capital	acre	$599.21	1.00	$599.21	
TOTAL DIRECT EXPENSES				$29,614.57	
FIXED EXPENSES					
Tractor	acre	$99.71	1.00	$99.71	
Self-Propels	acre	$2.20	1.00	$2.20	
Implements	acre	$69.43	1.00	$69.43	
TOTAL FIXED EXPENSES				$171.34	
TOTAL SPECIFIED EXPENSES				$29,785.91	

Table 1B. Estimated Resource Use and Costs for Field Operations, per Acre, Sweet Potato Production, Mother Beds, Louisiana 2025

Activity	Month of Activity	Times Over	Hours Per Acre	Tractor Size	Implement Size	Fuel Cost/ Acre	R/M Cost/ Acre	Labor Use/ Acre	Labor Cost/ Acre	Input Cost/ Acre	Total Direct Cost/ Acre	Total Fixed Cost/ Acre	Total Cost/ Acre
Disk Twice	Jan	2.00	0.0973	MFWD 190	Disk Heavy - 20'	$5.33	$5.86	0.21	$3.17		$14.36	$23.96	$38.32
Applied Fertilizer	Feb	1.00	0.1960	MFWD 75	Fertilizer - Pull Type - 12'	$2.12	$0.88	0.22	$3.20		$6.19	$5.48	$11.67
LA Nitrogen (lbs) – 40	Feb	1.00								$20.80	$20.80		$20.80
LA Phosphorus (lbs) - 120	Feb	1.00								$94.80	$94.80		$94.80
LA Potash (lbs) – 120	Feb	1.00								$45.60	$45.60		$45.60
Disked	Feb	1.00	0.0973	MFWD 190	Disk Heavy - 20'	$2.66	$2.93	0.11	$1.59		$7.18	$11.98	$19.16
Hipped Rows	Feb	1.00	0.1476	MFWD 150	Bed/Disk (Hipper) - 4R-38	$3.19	$1.41	0.16	$2.41		$7.01	$8.12	$15.13
Load Seed Potatoes	Mar	1.00	0.3300		Forklift	$0.99	$0.30	0.36	$5.38		$6.67	$2.20	$8.87
Transport Seed Potatoes	Mar	0.33	1.0000	MFWD 50	Utility Trailer - 10 Ft	$2.38	$0.61	0.36	$5.38		$8.37	$4.27	$12.64
Plant and Apply Fungicide	Mar	1.00	0.3300	MFWD 105	Planter – S Potato Seed-	$4.99	$4.62	0.36	$5.38		$15.00	$20.15	$35.15
Seed - Grower (Bu) - 1125	Mar	1.00								$20,250.00	$20,250.00		$20,250.00
Seed - Foundation (Bu) - 375	Mar	1.00								$7,500.00	$7,500.00		$7,500.00
Additional Labor - General (hr) - 1	Mar	1.00								$14.83	$14.83		$14.83
Botran 75 W (lbs) - 2.25	Mar	1.00								$38.66	$38.66		$38.66
Cover Seed	Mar	2.00	0.2000	MFWD 75	Seed Covering Machine	$4.32	$3.76	0.44	$6.53		$14.61	$11.98	$26.60
Apply Herbicide (on 1/2 acres)	Mar	0.50	0.0846	MFWD 50	Spray (Bcast/HB) - 20'	$0.30	$0.28	0.05	$0.69		$1.27	$0.82	$2.09
Command 3ME (pt) - 2.67	Mar	0.50								$23.36	$23.36		$23.36
Lay Plastic Mulch	Mar	1.00	1.6180	MFWD 50	Plastic Layer - 4 Ft Centers -	$11.66	$6.56	1.78	$26.39		$44.61	$28.06	$72.68
Plastic Mulch 8' by 2000' (roll) - 3	Mar	1.00								$714.60	$714.60		$714.60
Additional Labor - General (hr) - 3	Mar	1.00								$44.49	$44.49		$44.49
Ditched Field	Mar	1.00	0.0200	MFWD 50	Ditcher -	$0.14	$0.09	0.02	$0.33		$0.56	$0.33	$0.88
Additional Labor - General (hr) - 4	Mar	1.00								$59.32	$59.32		$59.32
Disked Beds Between Rows	Mar	1.00	0.1460	MFWD 150	Disk Heavy - 14'	$3.16	$2.29	0.16	$2.38		$7.83	$10.03	$17.86
Disked Beds Between Rows	Apr	1.00	0.1460	MFWD 150	Disk Heavy - 14'	$3.16	$2.29	0.16	$2.38		$7.83	$10.03	$17.86
Additional Labor - General (hr) - 2	Apr	1.00								$29.66	$29.66		$29.66
Applied Insecticide	Apr	1.00	0.0846	MFWD 50	Spray (Bcast/HB) - 20'	$0.61	$0.56	0.09	$1.38		$2.55	$1.64	$4.19
Brigade EC (oz) - 3.2	Apr	1.00								$4.05	$4.05		$4.05
Applied Insecticide	Apr	1.00	0.0846	MFWD 50	Spray (Bcast/HB) - 20'	$0.61	$0.56	0.09	$1.38		$2.55	$1.64	$4.19
Leverage (oz) - 2.8	Apr	1.00								$5.69	$5.69		$5.69
Cut Plants	May	1.00	0.2000	MFWD 75	Plant Cutting Machine	$2.16	$3.12	0.22	$3.26		$8.55	$6.68	$15.23
Destroy Seed Potatoes	Jun	2.00	0.0973	MFWD 190	Disk Heavy - 20'	$5.33	$5.86	0.21	$3.17		$14.36	$23.96	$38.32
Totals						$53.12	$41.96	$5.02	$74.41	$28,845.87	$29,015.36	$171.34	$29,186.70
Interest on Operating Capital													$599.21
Total Specified Costs													$29,785.91

Table 2A. Estimated Costs per Acre, Sweet Potato Production, 2-Row Harvester, Louisiana 2025

ITEM	Unit	Price	Quantity	Amount	Your Value
DIRECT EXPENSES					
Seed					
Slips	bu.	$496.10	1.00	$496.10	
Fertilizer					
Nitrogen	lbs.	$0.52	40.00	$20.80	
Phosphate	lbs.	$0.79	120.00	$94.80	
Potash	lbs.	$0.38	120.00	$45.60	
Zinc	pts.	$3.63	4.00	$14.52	
Herbicide					
Command 3ME	pts.	$17.50	2.67	$46.73	
Valor SX	oz.	$3.06	2.50	$7.65	
Insecticide					
Admire Pro	oz.	$2.19	10.50	$23.00	
Baythroid XL	oz.	$2.46	2.80	$6.89	
Belay	oz.	$2.23	24.00	$53.44	
Brigade EC	oz.	$1.27	9.60	$12.16	
Imdian 70 WSB	oz.	$1.55	41.60	$64.48	
Leverage	oz.	$2.03	2.80	$5.69	
Fungicide					
Telone II	gal.	$20.00	8.00	$160.00	
Labor	lb.				
Tractors	hr.	$14.83	11.42	$169.31	
Self-Propels	hr.	$14.83	9.17	$135.94	
Irrigation	hr.	$14.83	1.10	$16.31	
Packing	hr.	$14.83	21.92	$325.07	
Other Hired Labor	hr.	$14.83	69.17	$1,025.74	
Fuel					
Tractors	gal.	$2.80	51.86	$145.21	
Self-Propels	gal.	$2.80	8.33	$23.33	
Irrigation	gal.	$2.80	8.96	$25.09	
Repair and Maintenance					
Tractor	acre	$36.39	1.00	$36.39	
Self-Propels	acre	$22.16	1.00	$22.16	
Implements	acre	$50.96	1.00	$50.96	
Irrigation	acre	$17.56	1.00	$17.56	
Packing Facility	acre	$120.00	1.00	$120.00	
Other Inputs					
Transplant Crates	each	$8.00	4.00	$32.00	
Harvest Bins	each	$85.00	5.00	$425.00	
Boxes	each	$2.00	406.25	$812.50	
Broker	box	$0.75	406.25	$304.69	
Shrink Wrap	box	$0.16	406.25	$64.84	
Storage	bu.	$1.50	162.50	$243.75	
LDAF Assessment Fee	acre	$17.50	1.00	$17.50	
Crop Consultant	acre	$15.00	1.00	$15.00	
Interest on Operating Capital	acre	$102.47	1.00	$102.47	

Table 2A. Estimated Costs per Acre, Sweet Potato Production, 2-Row Harvester, Louisiana 2025 (CONTINUED)

ITEM	Unit	Price	Quantity	Amount	Your Value
TOTAL DIRECT EXPENSES				$5,182.68	
Fixed Expenses					
Tractor	acre	$273.91	1.00	$273.91	
Self-Propels	acre	$105.22	1.00	$105.22	
Implements	acre	$121.89	1.00	$121.89	
Irrigation	acre	$99.50	1.00	$99.50	
Packing Facility	acre	$351.33	1.00	$351.33	
TOTAL FIXED EXPENSES				$951.85	
TOTAL SPECIFIED EXPENSES				$6,134.53	

Table 2B. Estimated Resource Use and Costs for Field Operations, per Acre, Sweet Potato Production, 2-Row Harvester, Louisiana 2025

Activity	Month of Activity	Times Over	Hours Per Acre	Tractor Size	Implement Size	Fuel Cost/ Acre	R/M Cost/ Acre	Labor Use/ Acre	Labor Cost/ Acre	Input Cost/ Acre	Total Direct Cost/ Acre	Total Fixed Cost/ Acre	Total Cost/ Acre
Disk Twice	Apr	2.00	0.0973	MFWD 190	Disk Heavy - 20'	$5.33	$5.86	0.21	$3.17		$14.36	$23.96	$38.32
Apply Fertilizer	Apr	1.00	0.1960	MFWD 75	Fertilizer - Pull Type - 12'	$2.12	$0.88	0.22	$3.20		$6.19	$5.48	$11.67
LA Nitrogen (lbs) – 40	Apr	1.00								$20.80	$20.80		$20.80
LA Phosphorus (lbs) - 120	Apr	1.00								$94.80	$94.80		$94.80
LA Potash (lbs) – 120	Apr	1.00								$45.60	$45.60		$45.60
Hip Field	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Apply Fumigant	Apr	1.00	0.0900	MFWD 150	Fumigant Applicator - 6 Row	$1.95	$1.43	0.10	$1.47		$4.85	$6.48	$11.33
Telone II (gal) – 8	Apr	1.00								$160.00	$160.00		$160.00
Hip Field	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Hip Field/Apply Insecticide	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Admire Pro (oz) - 10.5	Apr	1.00								$23.00	$23.00		$23.00
Belay (oz) – 12	Apr	1.00								$26.72	$26.72		$26.72
Hip Field/Apply Herbicide	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Valor SX (oz) - 2.5	Apr	1.00								$7.65	$7.65		$7.65
Get Slips for Transplant	May	1.00	1.0000	MFWD 50	Utility Trailer - 10 Ft	$7.21	$1.84	1.10	$16.31		$25.36	$12.95	$38.31
Slips From Mother Bed (acre) - 1	May	1.00								$496.10	$496.10		$496.10
Additional Labor - General (hr) - 10	May	1.00								$148.30	$148.30		$148.30
Plant Slips	May	1.00	1.0000	MFWD 75	Transplanter - Slips - 6 Row	$10.81	$2.62	1.10	$16.31		$29.74	$33.30	$63.04
Additional Labor - General (hr) - 14	May	1.00								$207.62	$207.62		$207.62
S. Potato Crates (each) – 4	May	1.00								$32.00	$32.00		$32.00
Apply Herbicide	May	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Command 3ME (pt) - 2.67	May	1.00								$46.73	$46.73		$46.73
Make Ditches	May	1.00	0.0200	MFWD 50	Ditcher	$0.14	$0.09	0.02	$0.33		$0.56	$0.33	$0.88
Apply Insecticide	Jun	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Brigade EC (oz) - 3.2	Jun	1.00								$4.05	$4.05		$4.05
Cultivate Field	Jun	1.00	0.1086	MFWD 170	Cultivate - 6R-38	$2.66	$1.55	0.12	$1.77		$5.98	$8.37	$14.35
Cultivate Field/Apply Insecticide	Jun	1.00	0.1158	MFWD 170	Cultivate & Post - 6R-38	$2.84	$1.83	0.13	$1.89		$6.55	$9.52	$16.08
Belay (oz) - 12	Jun	1.00								$26.72	$26.72		$26.72
Apply Insecticide	Jun	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Imidan 70 WSB (oz) - 20.8	Jun	1.00								$32.24	$32.24		$32.24
Apply Insecticide	Jun	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Brigade EC (oz) - 3.2	Jun	1.00								$4.05	$4.05		$4.05
Irrigation - 6 Acre Inches	Jun	1.00	1.0000		Irrigation System - Center Pivot	$25.09	$17.56	1.10	$16.31		$58.96	$99.50	$158.46
Apply Insecticide	July	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Baythroid XL (oz) - 2.8	July	1.00								$6.89	$6.89		$6.89
Apply Insecticide	July	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Imidan 70 WSB (oz) - 20.8	July	1.00								$32.24	$32.24		$32.24
Apply Insecticide and Zinc	July	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Brigade EC (oz) - 3.2	July	1.00								$4.05	$4.05		$4.05
Zinc Plus (pt) - 4	July	1.00								$14.52	$14.52		$14.52
Apply Insecticide	Aug	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Leverage (oz) - 2.8	Aug	1.00								$5.69	$5.69		$5.69
Shred Plants	Sept	1.00	0.0917	MFWD 75	Vine shredder - 4 row	$0.99	$4.40	0.10	$1.50		$6.89	$4.85	$11.73

Table 2B. Estimated Resource Use and Costs for Field Operations, per Acre, Sweet Potato Production, 2-Row Harvester, Louisiana 2025 (CONTINUED)

Activity	Month of Activity	Times Over	Hours Per Acre	Tractor Size	Implement Size	Fuel Cost/ Acre	R/M Cost/ Acre	Labor Use/ Acre	Labor Cost/ Acre	Input Cost/ Acre	Total Direct Cost/ Acre	Total Fixed Cost/ Acre	Total Cost/ Acre
Harvest Sweet Potatoes	Sept	1.00	3.3330	MFWD 150	S. Potato Harvester - 2 Row	$72.05	$53.13	3.67	$54.37		$179.56	$207.67	$387.23
Additional Labor - General (hr) - 40	Sept	1.00								$593.20	$593.20		$593.20
S. Potato Bins (each) – 5	Sept	1.00								$425.00	$425.00		$425.00
Utility trailer for Harvest	Sept	1.00	3.3333	MFWD 50	Utility Trailer – 10 Ft	$24.02	$6.13	3.67	$54.38		$84.52	$43.17	$127.69
Load S. Potatoes in Field	Sept	1.00	3.3333		Forklift	$9.99	$3.04	3.67	$54.38		$67.40	$22.23	$89.63
Haul S. Potatoes	Sept	1.00	1.6667		Truck - 18 Wheeler	$3.36	$16.08	1.83	$27.19		$46.63	$60.76	$107.39
Additional Labor - General (hr) - 5.2	Sept	1.00								$76.62	$76.62		$76.62
Unload S. Potatoes in Shed	Sept	1.00	3.3333		Forklift	$9.99	$3.04	3.67	$54.38		$67.40	$22.23	$89.63
Packing Facility	Nov	1.00	1.0000				$120.00				$120.00	$351.33	$471.33
S. Potato Box (each) - 406.25	Nov	1.00								$812.50	$812.50		$812.50
S. Potato Broker (box) - 406.25	Nov	1.00								$304.69	$304.69		$304.69
Additional Labor - Packing (hr) - 21.9	Nov	1.00								$325.07	$325.07		$325.07
Shrink Wrap (box) - 406.25	Nov	1.00								$64.84	$64.84		$64.84
S. Potato Storage (bu) - 162.5	Nov	1.00								$243.75	$243.75		$243.75
LDAF Assessment (Acre) - 1	Nov	1.00								$17.50	$17.50		$17.50
Crop Consultant (Acre) - 1	Nov	1.00								$15.00	$15.00		$15.00
Totals						$193.63	$247.07	$21.68	$321.57	$4,317.94	$5,080.20	$951.85	$6,032.05
Interest on Operating Capital													$102.47
Total Specified Costs													$6,134.53

Table 2C. Projected Returns Above Total Specified Costs at Various Fresh Market Sales Volumes and Prices, Sweet Potato Production, 2-Row Harvester, 55 Percent Fresh Market Packout

Total Yield (Bushels)	Percent Packout (Percent)	Volume Marketed (40 Lb Boxes)	Fresh Mkt Price of $17.00/box ($/Acre)	Fresh Mkt Price of $17.50/box ($/Acre)	Fresh Mkt Price of $18.00/box ($/Acre)	Fresh Mkt Price of $18.50/box ($/Acre)	Fresh Mkt Price of $19.00/box ($/Acre)	Fresh Mkt Price of $19.50/box ($/Acre)	Fresh Mkt Price of $20.00/box ($/Acre)	Fresh Mkt Price of $20.50/box ($/Acre)	Fresh Mkt Price of $21.00/box ($/Acre)
200	55.00%	138	($3,797.03)	($3,728.28)	($3,659.53)	($3,590.78)	($3,522.03)	($3,453.28)	($3,384.53)	($3,315.78)	($3,247.03)
250	55.00%	172	($3,212.65)	($3,126.72)	($3,040.78)	($2,954.84)	($2,868.90)	($2,782.97)	($2,697.03)	($2,611.09)	($2,525.15)
300	55.00%	206	($2,628.28)	($2,525.15)	($2,422.03)	($2,318.90)	($2,215.78)	($2,112.65)	($2,009.53)	($1,906.40)	($1,803.28)
350	55.00%	241	($2,043.90)	($1,923.59)	($1,803.28)	($1,682.97)	($1,562.65)	($1,442.34)	($1,322.03)	($1,201.72)	($1,081.40)
400	55.00%	275	($1,459.53)	($1,322.03)	($1,184.53)	($1,047.03)	($909.53)	($772.03)	($634.53)	($497.03)	($359.53)
450	55.00%	309	($875.15)	($720.47)	($565.78)	($411.09)	($256.40)	($101.72)	$52.97	$207.66	$362.35
500	55.00%	344	($290.78)	($118.90)	$52.97	$224.85	$396.72	$568.60	$740.47	$912.35	$1,084.22
550	55.00%	378	$293.60	$482.66	$671.72	$860.78	$1,049.85	$1,238.91	$1,427.97	$1,617.03	$1,806.10
600	55.00%	413	$877.97	$1,084.22	$1,290.47	$1,496.72	$1,702.97	$1,909.22	$2,115.47	$2,321.72	$2,527.97
650	55.00%	447	$1,462.35	$1,685.78	$1,909.22	$2,132.66	$2,356.10	$2,579.53	$2,802.97	$3,026.41	$3,249.85
700	55.00%	481	$2,046.72	$2,287.35	$2,527.97	$2,768.60	$3,009.22	$3,249.85	$3,490.47	$3,731.10	$3,971.72

Table 2D. Projected Returns Above Total Specified Costs at Various Fresh Market Sales Volumes and Prices, Sweet Potato Production, 2-Row Harvester, 60 Percent Fresh Market Packout

Total Yield (Bushels)	Percent Packout (Percent)	Volume Marketed (40 Lb Boxes)	Fresh Mkt Price of $17.00/box ($/Acre)	Fresh Mkt Price of $17.50/box ($/Acre)	Fresh Mkt Price of $18.00/box ($/Acre)	Fresh Mkt Price of $18.50/box ($/Acre)	Fresh Mkt Price of $19.00/box ($/Acre)	Fresh Mkt Price of $19.50/box ($/Acre)	Fresh Mkt Price of $20.00/box ($/Acre)	Fresh Mkt Price of $20.50/box ($/Acre)	Fresh Mkt Price of $21.00/box ($/Acre)
200	60.00%	150	($3,584.53)	($3,509.53)	($3,434.53)	($3,359.53)	($3,284.53)	($3,209.53)	($3,134.53)	($3,059.53)	($2,984.53)
250	60.00%	188	($2,947.03)	($2,853.28)	($2,759.53)	($2,665.78)	($2,572.03)	($2,478.28)	($2,384.53)	($2,290.78)	($2,197.03)
300	60.00%	225	($2,309.53)	($2,197.03)	($2,084.53)	($1,972.03)	($1,859.53)	($1,747.03)	($1,634.53)	($1,522.03)	($1,409.53)
350	60.00%	263	($1,672.03)	($1,540.78)	($1,409.53)	($1,278.28)	($1,147.03)	($1,015.78)	($884.53)	($753.28)	($622.03)
400	60.00%	300	($1,034.53)	($884.53)	($734.53)	($584.53)	($434.53)	($284.53)	($134.53)	$15.47	$165.47
450	60.00%	338	($397.03)	($228.28)	($59.53)	$109.22	$277.97	$446.72	$615.47	$784.22	$952.97
500	60.00%	375	$240.47	$427.97	$615.47	$802.97	$990.47	$1,177.97	$1,365.47	$1,552.97	$1,740.47
550	60.00%	413	$877.97	$1,084.22	$1,290.47	$1,496.72	$1,702.97	$1,909.22	$2,115.47	$2,321.72	$2,527.97
600	60.00%	450	$1,515.47	$1,740.47	$1,965.47	$2,190.47	$2,415.47	$2,640.47	$2,865.47	$3,090.47	$3,315.47
650	60.00%	488	$2,152.97	$2,396.72	$2,640.47	$2,884.22	$3,127.97	$3,371.72	$3,615.47	$3,859.22	$4,102.97
700	60.00%	525	$2,790.47	$3,052.97	$3,315.47	$3,577.97	$3,840.47	$4,102.97	$4,365.47	$4,627.97	$4,890.47

Table 2E. Projected Returns Above Total Specified Costs at Various Fresh Market Sales Volumes and Prices, Sweet Potato Production, 2-Row Harvester, 65 Percent Fresh Market Packout

Total Yield (Bushels)	Percent Packout (Percent)	Volume Marketed (40 Lb Boxes)	Fresh Mkt Price of $17.00/box ($/Acre)	Fresh Mkt Price of $17.50/box ($/Acre)	Fresh Mkt Price of $18.00/box ($/Acre)	Fresh Mkt Price of $18.50/box ($/Acre)	Fresh Mkt Price of $19.00/box ($/Acre)	Fresh Mkt Price of $19.50/box ($/Acre)	Fresh Mkt Price of $20.00/box ($/Acre)	Fresh Mkt Price of $20.50/box ($/Acre)	Fresh Mkt Price of $21.00/box ($/Acre)
200	65.00%	163	($3,372.03)	($3,290.78)	($3,209.53)	($3,128.28)	($3,047.03)	($2,965.78)	($2,884.53)	($2,803.28)	($2,722.03)
250	65.00%	203	($2,681.40)	($2,579.84)	($2,478.28)	($2,376.72)	($2,275.15)	($2,173.59)	($2,072.03)	($1,970.47)	($1,868.90)
300	65.00%	244	($1,990.78)	($1,868.90)	($1,747.03)	($1,625.15)	($1,503.28)	($1,381.40)	($1,259.53)	($1,137.65)	($1,015.78)
350	65.00%	284	($1,300.15)	($1,157.97)	($1,015.78)	($873.59)	($731.40)	($589.22)	($447.03)	($304.84)	($162.65)
400	65.00%	325	($609.53)	($447.03)	($284.53)	($122.03)	$40.47	$202.97	$365.47	$527.97	$690.47
450	65.00%	366	$81.10	$263.91	$446.72	$629.53	$812.35	$995.16	$1,177.97	$1,360.78	$1,543.60
500	65.00%	406	$771.72	$974.85	$1,177.97	$1,381.10	$1,584.22	$1,787.35	$1,990.47	$2,193.60	$2,396.72
550	65.00%	447	$1,462.35	$1,685.78	$1,909.22	$2,132.66	$2,356.10	$2,579.53	$2,802.97	$3,026.41	$3,249.85
600	65.00%	488	$2,152.97	$2,396.72	$2,640.47	$2,884.22	$3,127.97	$3,371.72	$3,615.47	$3,859.22	$4,102.97
650	65.00%	528	$2,843.60	$3,107.66	$3,371.72	$3,635.78	$3,899.85	$4,163.91	$4,427.97	$4,692.03	$4,956.10
700	65.00%	569	$3,534.22	$3,818.60	$4,102.97	$4,387.35	$4,671.72	$4,956.10	$5,240.47	$5,524.85	$5,809.22

Table 3A. **Estimated Costs per Acre, Sweet Potato Production, Shaker Harvest with Bucket Crew, Louisiana 2025**

ITEM	Unit	Price	Quantity	Amount	Your Value
DIRECT EXPENSES					
Seed					
Slips	bu.	$496.10	1.00	$496.10	
Fertilizer					
Nitrogen	lbs.	$0.52	40.00	$20.80	
Phosphate	lbs.	$0.79	120.00	$94.80	
Potash	lbs.	$0.38	120.00	$45.60	
Zinc	pts.	$3.63	4.00	$14.52	
Herbicide					
Command 3ME	pts.	$17.50	2.67	$46.73	
Valor SX	oz.	$3.06	2.50	$7.65	
Insecticide					
Admire Pro	oz.	$2.19	10.50	$23.00	
Baythroid XL	oz.	$2.46	2.80	$6.89	
Belay	oz.	$2.23	24.00	$53.44	
Brigade EC	oz.	$1.27	9.60	$12.16	
Imdian 70 WSB	oz.	$1.55	41.60	$64.48	
Leverage	oz.	$2.03	2.80	$5.69	
Fungicide					
Telone II	gal.	$20.00	8.00	$160.00	
Labor					
Tractors	hr.	$14.83	5.55	$82.32	
Self-Propels	hr.	$14.83	1.83	$27.19	
Irrigation	hr.	$14.83	1.10	$16.31	
Packing	hr.	$14.83	21.92	$325.07	
Other Labor - Bucket Crew	bu.	$1.65	500.00	$825.00	
Other Hired Labor	hr.	$14.83	24.37	$361.36	
Fuel					
Tractors	gal.	$2.80	24.41	$68.35	
Self-Propels	gal.	$2.80	1.67	$4.67	
Irrigation	gal.	$2.80	8.96	$25.09	
Repair and Maintenance					
Tractor	acre	$17.20	1.00	$17.20	
Self-Propels	acre	$4.43	1.00	$4.43	
Implements	acre	$19.99	1.00	$19.99	
Irrigation	acre	$17.56	1.00	$17.56	
Packing Facility	acre	$120.00	1.00	$120.00	
Other Inputs					
Transplant Crates	each	$8.00	4.00	$32.00	
Harvest Bins	each	$85.00	5.00	$425.00	
Boxes	each	$2.00	406.25	$812.50	
Broker	box	$0.75	406.25	$304.69	
Shrink Wrap	box	$0.16	406.25	$64.84	
Storage	bu.	$1.50	162.50	$243.75	
LDAF Assessment Fee	acre	$17.50	1.00	$17.50	
Crop Consultant	acre	$15.00	1.00	$15.00	
Interest on Operating Capital	acre	$99.74	1.00	$99.74	

Table 3A. Estimated Costs per Acre, Sweet Potato Production, Shaker Harvest with Bucket Crew, Louisiana 2025 (CONTINUED)

ITEM	Unit	Price	Quantity	Amount	Your Value
TOTAL DIRECT EXPENSES				$4,981.40	
Fixed Expenses					
Tractor	acre	$130.22	1.00	$130.22	
Self-Propels	acre	$21.04	1.00	$21.04	
Implements	acre	$59.51	1.00	$59.51	
Irrigation	acre	$99.50	1.00	$99.50	
Packing Facility	acre	$351.33	1.00	$351.33	
TOTAL FIXED EXPENSES				$661.61	
TOTAL SPECIFIED EXPENSES				$5,643.01	

Table 3B. Estimated Resource Use and Costs for Field Operations, per Acre, Sweet Potato Production, Shaker Harvester with Bucket Crew, Louisiana 2025

Activity	Month of Activity	Times Over	Hours Per Acre	Tractor Size	Implement Size	Fuel Cost/ Acre	R/M Cost/ Acre	Labor Use/ Acre	Labor Cost/ Acre	Input Cost/ Acre	Total Direct Cost/ Acre	Total Fixed Cost/ Acre	Total Cost/ Acre
Disk Twice	Apr	2.00	0.0973	MFWD 190	Disk Heavy - 20'	$5.33	$5.86	0.21	$3.17		$14.36	$23.96	$38.32
Apply Fertilizer	Apr	1.00	0.1960	MFWD 75	Fertilizer - Pull Type - 12'	$2.12	$0.88	0.22	$3.20		$6.19	$5.48	$11.67
LA Nitrogen (lbs) - 40	Apr	1.00								$20.80	$20.80		$20.80
LA Phosphorus (lbs) - 120	Apr	1.00								$94.80	$94.80		$94.80
LA Potash (lbs) - 120	Apr	1.00								$45.60	$45.60		$45.60
Hip Field	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Apply Fumigant	Apr	1.00	0.0900	MFWD 150	Fumigant Applicator - 6 Row	$1.95	$1.43	0.10	$1.47		$4.85	$6.48	$11.33
Telone II (gal) - 8	Apr	1.00								$160.00	$160.00		$160.00
Hip Field	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Hip Field/Apply Insecticide	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Admire Pro (oz) - 10.5	Apr	1.00								$23.00	$23.00		$23.00
Belay (oz) – 12	Apr	1.00								$26.72	$26.72		$26.72
Hip Field/Apply Herbicide	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Valor SX (oz) - 2.5	Apr	1.00								$7.65	$7.65		$7.65
Get Slips for Transplant	May	1.00	1.0000	MFWD 50	Utility Trailer - 10 Ft	$7.21	$1.84	1.10	$16.31		$25.36	$12.95	$38.31
Slips From Mother Bed (acre) - 1	May	1.00								$496.10	$496.10		$496.10
Additional Labor - General (hr) - 10	May	1.00								$148.30	$148.30		$148.30
Plant Slips	May	1.00	1.0000	MFWD 75	Transplanter - Slips - 6 Row	$10.81	$2.62	1.10	$16.31		$29.74	$33.30	$63.04
Additional Labor - General (hr) - 14	May	1.00								$207.62	$207.62		$207.62
S. Potato Crates (each) – 4	May	1.00								$32.00	$32.00		$32.00
Apply Herbicide	May	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Command 3ME (pt) - 2.67	May	1.00								$46.73	$46.73		$46.73
Make Ditches	May	1.00	0.0200	MFWD 50	Ditcher	$0.14	$0.09	0.02	$0.33		$0.56	$0.33	$0.88
Apply Insecticide	Jun	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Brigade EC (oz) - 3.2	Jun	1.00								$4.05	$4.05		$4.05
Cultivate Field	Jun	1.00	0.1086	MFWD 170	Cultivate - 6R-38	$2.66	$1.55	0.12	$1.77		$5.98	$8.37	$14.35
Cultivate Field/Apply Insecticide	Jun	1.00	0.1158	MFWD 170	Cultivate & Post - 6R-38	$2.84	$1.83	0.13	$1.89		$6.55	$9.52	$16.08
Belay (oz) - 12	Jun	1.00								$26.72	$26.72		$26.72
Apply Insecticide	Jun	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Imidan 70 WSB (oz) - 20.8	Jun	1.00								$32.24	$32.24		$32.24
Apply Insecticide	Jun	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Brigade EC (oz) - 3.2	Jun	1.00								$4.05	$4.05		$4.05
Irrigation - 6 Acre Inches	Jun	1.00	1.0000		Irrigation System - Center Pivot	$25.09	$17.56	1.10	$16.31		$58.96	$99.50	$158.46
Apply Insecticide	July	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Baythroid XL (oz) - 2.8	July	1.00								$6.89	$6.89		$6.89
Apply Insecticide	July	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Imidan 70 WSB (oz) - 20.8	July	1.00								$32.24	$32.24		$32.24
Apply Insecticide and Zinc	July	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Brigade EC (oz) - 3.2	July	1.00								$4.05	$4.05		$4.05
Zinc Plus (pt) - 4	July	1.00								$14.52	$14.52		$14.52
Apply Insecticide	Aug	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Leverage (oz) - 2.8	Aug	1.00								$5.69	$5.69		$5.69
Shred Plants	Sept	1.00	0.0917	MFWD 75	Vine shredder - 4 row	$0.99	$4.40	0.10	$1.50		$6.89	$4.85	$11.73

Table 3B. Estimated Resource Use and Costs for Field Operations, per Acre, Sweet Potato Production, Shaker Harvester with Bucket Crew, Louisiana 2025 (CONTINUED)

Activity	Month of Activity	Times Over	Hours Per Acre	Tractor Size	Implement Size	Fuel Cost/ Acre	R/M Cost/ Acre	Labor Use/ Acre	Labor Cost/ Acre	Input Cost/ Acre	Total Direct Cost/ Acre	Total Fixed Cost/ Acre	Total Cost/ Acre
Harvest Sweet Potatoes	Sept	1.00	0.6667	MFWD 150	Shaker Harvester - 4 Row	$14.41	$7.87	0.73	$10.88		$33.16	$36.14	$69.30
Labor - Bucket Crew (bu) - 500	Sept	1.00								$825.00	$825.00		$825.00
S. Potato Bin (each) - 5	Sept	1.00								$425.00	$425.00		$425.00
Utility trailer for Harvest	Sept	1.00	0.6667	MFWD 50	Utility Trailer	$4.80	$1.23	0.73	$10.88		$16.91	$8.63	$25.54
Load S. Potatoes in Field	Sept	1.00	0.6667		Forklift	$2.00	$0.61	0.73	$10.88		$13.48	$4.45	$17.93
Haul S. Potatoes	Sept	1.00	0.3333		Truck - 18 Wheeler	$0.67	$3.22	0.37	$5.44		$9.33	$12.15	$21.48
Additional Labor - General (hr) – 0.4	Sept	1.00								$5.44	$5.44		$5.44
Unload S. Potatoes in Shed	Sept	1.00	0.6667		Forklift	$2.00	$0.61	0.73	$10.88		$13.48	$4.45	$17.93
Packing Facility	Nov	1.00	1.0000				$120.00				$120.00	$351.33	$471.33
S. Potato Box (each) - 406.25	Nov	1.00								$812.50	$812.50		$812.50
S. Potato Broker (box) - 406.25	Nov	1.00								$304.69	$304.69		$304.69
Additional Labor - Packing (hr) - 21.9	Nov	1.00								$325.07	$325.07		$325.07
Shrink Wrap (box) - 406.25	Nov	1.00								$64.84	$64.84		$64.84
S. Potato Storage (bu) - 162.5	Nov	1.00								$243.75	$243.75		$243.75
LDAF Assessment (Acre) – 1	Nov	1.00								$17.50	$17.50		$17.50
Crop Consultant (Acre) – 1	Nov	1.00								$15.00	$15.00		$15.00
Totals						$98.10	$179.18	$8.48	$125.82	$4,478.55	$4,881.66	$661.61	$5,543.27
Interest on Operating Capital													$99.74
Total Specified Costs													$5,643.01

Table 3C. Projected Returns Above Total Specified Costs at Various Fresh Market Sales Volumes and Prices, Sweet Potato Production, Shaker Harvester with Bucket Crew, 55 Percent Fresh Market Packout

Total Yield (Bushels)	Percent Packout (Percent)	Volume Marketed (40 Lb Boxes)	Fresh Mkt Price of $17.00/box ($/Acre)	Fresh Mkt Price of $17.50/box ($/Acre)	Fresh Mkt Price of $18.00/box ($/Acre)	Fresh Mkt Price of $18.50/box ($/Acre)	Fresh Mkt Price of $19.00/box ($/Acre)	Fresh Mkt Price of $19.50/box ($/Acre)	Fresh Mkt Price of $20.00/box ($/Acre)	Fresh Mkt Price of $20.50/box ($/Acre)	Fresh Mkt Price of $21.00/box ($/Acre)
200	55.00%	138	($3,305.51)	($3,236.76)	($3,168.01)	($3,099.26)	($3,030.51)	($2,961.76)	($2,893.01)	($2,824.26)	($2,755.51)
250	55.00%	172	($2,721.13)	($2,635.20)	($2,549.26)	($2,463.32)	($2,377.38)	($2,291.45)	($2,205.51)	($2,119.57)	($2,033.63)
300	55.00%	206	($2,136.76)	($2,033.63)	($1,930.51)	($1,827.38)	($1,724.26)	($1,621.13)	($1,518.01)	($1,414.88)	($1,311.76)
350	55.00%	241	($1,552.38)	($1,432.07)	($1,311.76)	($1,191.45)	($1,071.13)	($950.82)	($830.51)	($710.20)	($589.88)
400	55.00%	275	($968.01)	($830.51)	($693.01)	($555.51)	($418.01)	($280.51)	($143.01)	($5.51)	$131.99
450	55.00%	309	($383.63)	($228.95)	($74.26)	$80.43	$235.12	$389.80	$544.49	$699.18	$853.87
500	55.00%	344	$200.74	$372.62	$544.49	$716.37	$888.24	$1,060.12	$1,231.99	$1,403.87	$1,575.74
550	55.00%	378	$785.12	$974.18	$1,163.24	$1,352.30	$1,541.37	$1,730.43	$1,919.49	$2,108.55	$2,297.62
600	55.00%	413	$1,369.49	$1,575.74	$1,781.99	$1,988.24	$2,194.49	$2,400.74	$2,606.99	$2,813.24	$3,019.49
650	55.00%	447	$1,953.87	$2,177.30	$2,400.74	$2,624.18	$2,847.62	$3,071.05	$3,294.49	$3,517.93	$3,741.37
700	55.00%	481	$2,538.24	$2,778.87	$3,019.49	$3,260.12	$3,500.74	$3,741.37	$3,981.99	$4,222.62	$4,463.24

Table 3D. Projected Returns Above Total Specified Costs at Various Fresh Market Sales Volumes and Prices, Sweet Potato Production, Shaker Harvester with Bucket Crew, 60 Percent Fresh Market Packout

Total Yield (Bushels)	Percent Packout (Percent)	Volume Marketed (40 Lb Boxes)	Fresh Mkt Price of $17.00/box ($/Acre)	Fresh Mkt Price of $17.50/box ($/Acre)	Fresh Mkt Price of $18.00/box ($/Acre)	Fresh Mkt Price of $18.50/box ($/Acre)	Fresh Mkt Price of $19.00/box ($/Acre)	Fresh Mkt Price of $19.50/box ($/Acre)	Fresh Mkt Price of $20.00/box ($/Acre)	Fresh Mkt Price of $20.50/box ($/Acre)	Fresh Mkt Price of $21.00/box ($/Acre)
200	60.00%	150	($3,093.01)	($3,018.01)	($2,943.01)	($2,868.01)	($2,793.01)	($2,718.01)	($2,643.01)	($2,568.01)	($2,493.01)
250	60.00%	188	($2,455.51)	($2,361.76)	($2,268.01)	($2,174.26)	($2,080.51)	($1,986.76)	($1,893.01)	($1,799.26)	($1,705.51)
300	60.00%	225	($1,818.01)	($1,705.51)	($1,593.01)	($1,480.51)	($1,368.01)	($1,255.51)	($1,143.01)	($1,030.51)	($918.01)
350	60.00%	263	($1,180.51)	($1,049.26)	($918.01)	($786.76)	($655.51)	($524.26)	($393.01)	($261.76)	($130.51)
400	60.00%	300	($543.01)	($393.01)	($243.01)	($93.01)	$56.99	$206.99	$356.99	$506.99	$656.99
450	60.00%	338	$94.49	$263.24	$431.99	$600.74	$769.49	$938.24	$1,106.99	$1,275.74	$1,444.49
500	60.00%	375	$731.99	$919.49	$1,106.99	$1,294.49	$1,481.99	$1,669.49	$1,856.99	$2,044.49	$2,231.99
550	60.00%	413	$1,369.49	$1,575.74	$1,781.99	$1,988.24	$2,194.49	$2,400.74	$2,606.99	$2,813.24	$3,019.49
600	60.00%	450	$2,006.99	$2,231.99	$2,456.99	$2,681.99	$2,906.99	$3,131.99	$3,356.99	$3,581.99	$3,806.99
650	60.00%	488	$2,644.49	$2,888.24	$3,131.99	$3,375.74	$3,619.49	$3,863.24	$4,106.99	$4,350.74	$4,594.49
700	60.00%	525	$3,281.99	$3,544.49	$3,806.99	$4,069.49	$4,331.99	$4,594.49	$4,856.99	$5,119.49	$5,381.99

Table 3E. Projected Returns Above Total Specified Costs at Various Fresh Market Sales Volumes and Prices, Sweet Potato Production, Shaker Harvester with Bucket Crew, 65 Percent Fresh Market Packout

Total Yield (Bushels)	Percent Packout (Percent)	Volume Marketed (40 Lb Boxes)	Fresh Mkt Price of $17.00/box ($/Acre)	Fresh Mkt Price of $17.50/box ($/Acre)	Fresh Mkt Price of $18.00/box ($/Acre)	Fresh Mkt Price of $18.50/box ($/Acre)	Fresh Mkt Price of $19.00/box ($/Acre)	Fresh Mkt Price of $19.50/box ($/Acre)	Fresh Mkt Price of $20.00/box ($/Acre)	Fresh Mkt Price of $20.50/box ($/Acre)	Fresh Mkt Price of $21.00/box ($/Acre)
200	65.00%	163	($2,880.51)	($2,799.26)	($2,718.01)	($2,636.76)	($2,555.51)	($2,474.26)	($2,393.01)	($2,311.76)	($2,230.51)
250	65.00%	203	($2,189.88)	($2,088.32)	($1,986.76)	($1,885.20)	($1,783.63)	($1,682.07)	($1,580.51)	($1,478.95)	($1,377.38)
300	65.00%	244	($1,499.26)	($1,377.38)	($1,255.51)	($1,133.63)	($1,011.76)	($889.88)	($768.01)	($646.13)	($524.26)
350	65.00%	284	($808.63)	($666.45)	($524.26)	($382.07)	($239.88)	($97.70)	$44.49	$186.68	$328.87
400	65.00%	325	($118.01)	$44.49	$206.99	$369.49	$531.99	$694.49	$856.99	$1,019.49	$1,181.99
450	65.00%	366	$572.62	$755.43	$938.24	$1,121.05	$1,303.87	$1,486.68	$1,669.49	$1,852.30	$2,035.12
500	65.00%	406	$1,263.24	$1,466.37	$1,669.49	$1,872.62	$2,075.74	$2,278.87	$2,481.99	$2,685.12	$2,888.24
550	65.00%	447	$1,953.87	$2,177.30	$2,400.74	$2,624.18	$2,847.62	$3,071.05	$3,294.49	$3,517.93	$3,741.37
600	65.00%	488	$2,644.49	$2,888.24	$3,131.99	$3,375.74	$3,619.49	$3,863.24	$4,106.99	$4,350.74	$4,594.49
650	65.00%	528	$3,335.12	$3,599.18	$3,863.24	$4,127.30	$4,391.37	$4,655.43	$4,919.49	$5,183.55	$5,447.62
700	65.00%	569	$4,025.74	$4,310.12	$4,594.49	$4,878.87	$5,163.24	$5,447.62	$5,731.99	$6,016.37	$6,300.74

Table 4A. Estimated Costs per Acre, Sweet Potato Production, Bulk Harvester, Louisiana 2025

ITEM	Unit	Price	Quantity	Amount	Your Value
DIRECT EXPENSES					
Seed					
Slips	bu.	$496.10	1.00	$496.10	
Fertilizer					
Nitrogen	lbs.	$0.52	40.00	$20.80	
Phosphate	lbs.	$0.79	120.00	$94.80	
Potash	lbs.	$0.38	120.00	$45.60	
Zinc	pts.	$3.63	4.00	$14.52	
Herbicide					
Command 3ME	pts.	$17.50	2.67	$46.73	
Valor SX	oz.	$3.06	2.50	$7.65	
Insecticide					
Admire Pro	oz.	$2.19	10.50	$23.00	
Baythroid XL	oz.	$2.46	2.80	$6.89	
Belay	oz.	$2.23	24.00	$53.44	
Brigade EC	oz.	$1.27	9.60	$12.16	
Imdian 70 WSB	oz.	$1.55	41.60	$64.48	
Leverage	oz.	$2.03	2.80	$5.69	
Fungicide					
Telone II	gal.	$20.00	8.00	$160.00	
Labor					
Tractors	hr.	$14.83	5.92	$87.75	
Self-Propels	hr.	$14.83	2.29	$33.99	
Irrigation	hr.	$14.83	1.10	$16.31	
Other Hired Labor	hr.	$14.83	27.79	$412.14	
Fuel					
Tractors	gal.	$2.80	26.13	$73.15	
Self-Propels	gal.	$2.80	2.08	$5.83	
Irrigation	gal.	$2.80	8.96	$25.09	
Repair and Maintenance					
Tractor	acre	$18.40	1.00	$18.40	
Self-Propels	acre	$5.54	1.00	$5.54	
Implements	acre	$77.85	1.00	$77.85	
Irrigation	acre	$17.56	1.00	$17.56	
Other Inputs					
Transplant Crates	each	$8.00	4.00	$32.00	
Harvest Bins	each	$85.00	5.00	$425.00	
LDAF Assessment Fee	acre	$17.50	1.00	$17.50	
Crop Consultant	acre	$15.00	1.00	$15.00	
Interest on Operating Capital	acre	$77.31	1.00	$77.31	
TOTAL DIRECT EXPENSES				$2,392.28	
Fixed Expenses					
Tractor	acre	$139.20	1.00	$139.20	
Self-Propels	acre	$26.30	1.00	$26.30	
Implements	acre	$173.14	1.00	$173.14	
Irrigation	acre	$99.50	1.00	$99.50	
TOTAL FIXED EXPENSES				$438.15	
TOTAL SPECIFIED EXPENSES				$2,830.43	

Table 4B. Estimated Resource Use and Costs for Field Operations, per Acre, Sweet Potato Production, Bulk Harvester, Louisiana 2025

Activity	Month of Activity	Times Over	Hours Per Acre	Tractor Size	Implement Size	Fuel Cost/ Acre	R/M Cost/ Acre	Labor Use/ Acre	Labor Cost/ Acre	Input Cost/ Acre	Total Direct Cost/ Acre	Total Fixed Cost/ Acre	Total Cost/ Acre
Disk Twice	Apr	2.00	0.0973	MFWD 190	Disk Heavy - 20'	$5.33	$5.86	0.21	$3.17		$14.36	$23.96	$38.32
Apply Fertilizer	Apr	1.00	0.1960	MFWD 75	Fertilizer - Pull Type - 12'	$2.12	$0.88	0.22	$3.20		$6.19	$5.48	$11.67
LA Nitrogen (lbs) - 40	Apr	1.00								$20.80	$20.80		$20.80
LA Phosphorus (lbs) - 120	Apr	1.00								$94.80	$94.80		$94.80
LA Potash (lbs) - 120	Apr	1.00								$45.60	$45.60		$45.60
Hip Field	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Apply Fumigant	Apr	1.00	0.0900	MFWD 150	Fumigant Applicator - 6 Row	$1.95	$1.43	0.10	$1.47		$4.85	$6.48	$11.33
Telone II (gal) - 8	Apr	1.00								$160.00	$160.00		$160.00
Hip Field	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Hip Field/Apply Insecticide	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Admire Pro (oz) - 10.5	Apr	1.00								$23.00	$23.00		$23.00
Belay (oz) – 12	Apr	1.00								$26.72	$26.72		$26.72
Hip Field/Apply Herbicide	Apr	1.00	0.0987	MFWD 170	Bed/Disk (Hipper) - 6R-38	$2.42	$1.25	0.11	$1.61		$5.28	$7.10	$12.38
Valor SX (oz) - 2.5	Apr	1.00								$7.65	$7.65		$7.65
Get Slips for Transplant	May	1.00	1.0000	MFWD 50	Utility Trailer - 10 Ft	$7.21	$1.84	1.10	$16.31		$25.36	$12.95	$38.31
Slips From Mother Bed (acre) - 1	May	1.00								$496.10	$496.10		$496.10
Additional Labor - General (hr) - 10	May	1.00								$148.30	$148.30		$148.30
Plant Slips	May	1.00	1.0000	MFWD 75	Transplanter - Slips - 6 Row	$10.81	$2.62	1.10	$16.31		$29.74	$33.30	$63.04
Additional Labor - General (hr) - 14	May	1.00								$207.62	$207.62		$207.62
S. Potato Crates (each) – 4	May	1.00								$32.00	$32.00		$32.00
Apply Herbicide	May	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Command 3ME (pt) - 2.67	May	1.00								$46.73	$46.73		$46.73
Make Ditches	May	1.00	0.0200	MFWD 50	Ditcher	$0.14	$0.09	0.02	$0.33		$0.56	$0.33	$0.88
Apply Insecticide	Jun	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Brigade EC (oz) - 3.2	Jun	1.00								$4.05	$4.05		$4.05
Cultivate Field	Jun	1.00	0.1086	MFWD 170	Cultivate - 6R-38	$2.66	$1.55	0.12	$1.77		$5.98	$8.37	$14.35
Cultivate Field/Apply Insecticide	Jun	1.00	0.1158	MFWD 170	Cultivate & Post - 6R-38	$2.84	$1.83	0.13	$1.89		$6.55	$9.52	$16.08
Belay (oz) - 12	Jun	1.00								$26.72	$26.72		$26.72
Apply Insecticide	Jun	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Imidan 70 WSB (oz) - 20.8	Jun	1.00								$32.24	$32.24		$32.24
Apply Insecticide	Jun	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Brigade EC (oz) - 3.2	Jun	1.00								$4.05	$4.05		$4.05
Irrigation - 6 Acre Inches	Jun	1.00	1.0000		Irrigation System - Center Pivot	$25.09	$17.56	1.10	$16.31		$58.96	$99.50	$158.46
Apply Insecticide	July	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Baythroid XL (oz) - 2.8	July	1.00								$6.89	$6.89		$6.89
Apply Insecticide	July	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Imidan 70 WSB (oz) - 20.8	July	1.00								$32.24	$32.24		$32.24
Apply Insecticide and Zinc	July	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Brigade EC (oz) - 3.2	July	1.00								$4.05	$4.05		$4.05
Zinc Plus (pt) - 4	July	1.00								$14.52	$14.52		$14.52
Apply Insecticide	Aug	1.00	0.0627	MFWD 75	Spray (Broadcast) - 27'	$0.68	$0.33	0.07	$1.02		$2.03	$1.41	$3.44
Leverage (oz) - 2.8	Aug	1.00								$5.69	$5.69		$5.69
Shred Plants	Sept	1.00	0.0917	MFWD 75	Vine shredder - 4 row	$0.99	$4.40	0.10	$1.50		$6.89	$4.85	$11.73

Table 4B. Estimated Resource Use and Costs for Field Operations, per Acre, Sweet Potato Production, Bulk Harvester, Louisiana 2025 (CONTINUED)

Activity	Month of Activity	Times Over	Hours Per Acre	Tractor Size	Implement Size	Fuel Cost/ Acre	R/M Cost/ Acre	Labor Use/ Acre	Labor Cost/ Acre	Input Cost/ Acre	Total Direct Cost/ Acre	Total Fixed Cost/ Acre	Total Cost/ Acre
Harvest Sweet Potatoes	Sept	1.00	0.8333	MFWD 150	Bulk Harvester	$18.01	$66.63	0.92	$13.59		$98.24	$156.59	$254.83
Additional Labor - General (hr) - 3.3	Sept	1.00								$49.43	$49.43		$49.43
S. Potato Bin (each) - 5	Sept	1.00								$425.00	$425.00		$425.00
Utility trailer for Harvest	Sept	1.00	0.8333	MFWD 50	Utility Trailer - 10 Ft	$6.01	$1.53	0.92	$13.59		$21.13	$10.79	$31.92
Load S. Potatoes in Field	Sept	1.00	0.8333		Forklift	$2.50	$0.76	0.92	$13.59		$16.85	$5.56	$22.41
Haul S. Potatoes	Sept	1.00	0.4167		Truck - 18 Wheeler	$0.84	$4.02	0.46	$6.80		$11.66	$15.19	$26.85
Additional Labor - General (hr) - 0.5	Sept	1.00								$6.80	$6.80		$6.80
Unload S. Potatoes in Shed	Sept	1.00	0.8333		Forklift	$2.50	$0.76	0.92	$13.59		$16.85	$5.56	$22.41
LDAF Assessment (Acre) – 1	Nov	1.00								$17.50	$17.50		$17.50
Consultant (Acre) - 1	Nov	1.00								$15.00	$15.00		$15.00
Totals						$104.07	$119.35	$9.31	$138.05	$1,953.49	$2,314.97	$438.15	$2,753.11
Interest on Operating Capital													$77.31
Total Specified Costs													$2,830.43

Table 4C. Projected Returns Above Total Specified Costs at Various Yields and Prices, Bulk Harvester, No Storage

Total Yield (Bushels)	Total Yield (Cwts)	Processing Mkt Price of $19.00/cwt ($/Acre)	Processing Mkt Price of $19.50/cwt ($/Acre)	Processing Mkt Price of $20.00/cwt ($/Acre)	Processing Mkt Price of $20.50/cwt ($/Acre)	Processing Mkt Price of $21.00/cwt ($/Acre)	Processing Mkt Price of $21.50/cwt ($/Acre)	Processing Mkt Price of $22.00/cwt ($/Acre)	Processing Mkt Price of $22.50/cwt ($/Acre)	Processing Mkt Price of $23.00/cwt ($/Acre)
200	100	($930.43)	($880.43)	($830.43)	($780.43)	($730.43)	($680.43)	($630.43)	($580.43)	($530.43)
250	125	($455.43)	($392.93)	($330.43)	($267.93)	($205.43)	($142.93)	($80.43)	($17.93)	$44.57
300	150	$19.57	$94.57	$169.57	$244.57	$319.57	$394.57	$469.57	$544.57	$619.57
350	175	$494.57	$582.07	$669.57	$757.07	$844.57	$932.07	$1,019.57	$1,107.07	$1,194.57
400	200	$969.57	$1,069.57	$1,169.57	$1,269.57	$1,369.57	$1,469.57	$1,569.57	$1,669.57	$1,769.57
450	225	$1,444.57	$1,557.07	$1,669.57	$1,782.07	$1,894.57	$2,007.07	$2,119.57	$2,232.07	$2,344.57
500	250	$1,919.57	$2,044.57	$2,169.57	$2,294.57	$2,419.57	$2,544.57	$2,669.57	$2,794.57	$2,919.57
550	275	$2,394.57	$2,532.07	$2,669.57	$2,807.07	$2,944.57	$3,082.07	$3,219.57	$3,357.07	$3,494.57
600	300	$2,869.57	$3,019.57	$3,169.57	$3,319.57	$3,469.57	$3,619.57	$3,769.57	$3,919.57	$4,069.57
650	325	$3,344.57	$3,507.07	$3,669.57	$3,832.07	$3,994.57	$4,157.07	$4,319.57	$4,482.07	$4,644.57
700	350	$3,819.57	$3,994.57	$4,169.57	$4,344.57	$4,519.57	$4,694.57	$4,869.57	$5,044.57	$5,219.57

Table 4D. Estimated Additional Storage Costs for Various Storage Lengths, Bulk Harvester, 400 Bushel Yield

Storage Length	Total Costs ($/Acre)	Total Costs ($/Cwt)	Total Costs ($/Bu)
No Storage	$2,830.43	$14.15	$7.08
One Month	$2,880.77	$14.40	$7.20
Two Months	$2,931.11	$14.66	$7.33
Three Months	$2,981.46	$14.91	$7.45
Four Months	$3,031.80	$15.16	$7.58
Five Months	$3,082.14	$15.41	$7.71
Six Months	$3,132.49	$15.66	$7.83
Seven Months	$3,182.83	$15.91	$7.96
Eight Months	$3,233.18	$16.17	$8.08

Table 4D. Estimated Additional Storage Costs for Various Storage Lengths, Bulk Harvester, 500 Bushel Yield

Storage Length	Total Costs ($/Acre)	Total Costs ($/Cwt)	Total Costs ($/Bu)
No Storage	$2,830.43	$11.32	$5.66
One Month	$2,893.35	$11.57	$5.79
Two Months	$2,956.28	$11.83	$5.91
Three Months	$3,019.21	$12.08	$6.04
Four Months	$3,082.14	$12.33	$6.16
Five Months	$3,145.07	$12.58	$6.29
Six Months	$3,208.00	$12.83	$6.42
Seven Months	$3,270.93	$13.08	$6.54
Eight Months	$3,333.86	$13.34	$6.67

Appendix Table 1. Estimated Costs per Acre, Center Pivot Irrigation, ¼ Mile Applying 6 Acre Inches in Eight Applications, Louisiana 2025

Item	Unit	Price (dollars)	Quantity	Amount (dollars)
DIRECT EXPENSES				
Hired Labor				
Special Labor	hour	$14.83	0.192	$2.85
Diesel Fuel				
Engine, 1/4 CP, 65	gal	$2.80	8.960	$25.09
Repair and Maintenance				
Well & Pump, 1/4 CP	each	$390.00	0.007	$2.80
Engine, 1/4 CP, 65	acre-in	$0.66	6.000	$3.98
Pivot, 1/4 CP	1320'	$1,516.40	0.007	$10.78
Interest on Operating Capital	Acre	$1.25	1.000	$1.25
TOTAL DIRECT EXPENSES				$46.75
FIXED EXPENSES				
Well & Pump, 1/4 CP	each	$1,152.97	0.012	$14.26
Engine, 1/4 CP, 65	each	$1,340.05	0.010	$14.01
Pivot, 1/4 CP	each	$6,083.99	0.012	$71.23
TOTAL FIXED EXPENSES				$99.50
TOTAL SPECIFIED EXPENSES				$146.25

Appendix Table 2. Estimated Costs per Acre, Poly Pipe Irrigation System, Applying 9 Acre Inches in Four Applications, Louisiana 2025

Item	Unit	Price (dollars)	Quantity	Amount (dollars)
DIRECT EXPENSES				
Irrigation Supplies				
Roll-Out Pipe	ft	$0.30	33.000	$9.90
Hired Labor				
Tractors and Implements	hour	$14.83	0.251	$3.72
Irrigation Labor	hour	$14.83	0.223	$3.31
Diesel Fuel				
Tractors	gal	$2.80	1.551	$4.34
Engine, RPF, 75	gal	$2.80	11.777	$32.97
Repair and Maintenance				
Tractors and Implements	acre	$0.84	1.000	$0.84
Well & Pump, Furrow	each	$390.00	0.010	$3.95
Engine, RPF, 75	acre-in	$0.30	9.000	$2.70
Interest on Operating Capital	acre	$2.11	1.000	$2.11
TOTAL DIRECT EXPENSES				$63.84
FIXED EXPENSES				
Tractors and Implements	acre	$6.65	1.000	$6.65
Well & Pump, Furrow	each	$1,152.97	0.010	$12.03
Main Line Pipe	each	$796.08	0.008	$6.65
Land Forming	each	$43.97	1.000	$43.97
Engine, RPF, 75	each	$1,340.05	0.009	$11.82
TOTAL FIXED EXPENSES				$81.12
TOTAL SPECIFIED EXPENSES				$144.96

Appendix Table 3. Estimated Fuel Prices, Labor Costs, and Interest Rates, Louisiana 2025.

Item	Units	Value
Fuel		
Diesel	Gallon	$2.80
Gasoline	Gallon	$2.50
Interest Rates		
Operating (Short Term)	Percent	8.25%
Intermediate	Percent	8.50%
Labor		
Hired Labor	Hour	$14.83
Operating Labor	Hour	$18.69

Appendix Table 4. Estimated Operating Input Prices, Louisiana 2025

Item	Unit	Price	Item	Unit	Price
Adjuvants			**Fungicides (Continued)**		
Agri-Dex	pt	$4.03	Provost Optimum	oz	$2.17
AMS SuperMax	pt	$3.81	Provost Silver	oz	$1.52
Crop Oil Conc.(Veg.)	pt	$2.90	Quadris	oz	$1.70
MSO	pt	$3.50	Quadris Top	oz	$3.20
Penetrator Plus	pt	$2.18	Quadris Top SBX	oz	$3.68
Custom Application			Quilt	pt	$4.00
App Fert by Air	cwt	$13.60	Quilt XCEL	pt	$26.69
Custom Apply Fert	acre	$9.00	Stratego	pt	$22.50
Lime (Spread)	ton	$51.39	Stratego YLD	oz	$3.32
Fertilizer			Telone II	gal	$20.00
Amm Sulfate (21% N)	cwt	$22.40	**Herbicides**		
Fert 10-34-0	cwt	$33.00	2,4-D Amine 4	pt	$2.23
Fert 11-37-0	cwt	$33.00	2,4-D Ester	pt	$3.14
Fert 41-0-0-4	cwt	$38.00	Accent Q	oz	$24.48
LA Nitrogen	lb	$0.52	Atrazine 4L	pt	$2.18
LA Phosphorus	lb	$0.79	Atrazine 90DF	lb	$4.32
LA Potash	lb	$0.38	Basagran	pt	$5.43
Phosphorus(46% P2O5)	cwt	$29.10	Command 3ME	pt	$17.50
Potash (60% K2O)	cwt	$27.09	Dicamba	pt	$4.20
UAN (32% N)	cwt	$21.78	Dual II Magnum	pt	$12.64
UAN + Sulfur (28%)	cwt	$24.80	Dual Magnum	pt	$10.11
Urea, Solid (46% N)	cwt	$25.98	Glyphosate 3lbs a.e	pt	$1.85
Zinc Plus	pt	$3.63	Glyphosate 3lbs a.e	oz	$0.12
Fungicides			Gramoxone SL 2.0	oz	$0.32
Apron Maxx RTA	oz	$1.01	Grandstand R	pt	$21.42
Artisan	oz	$0.70	Outlook	pt	$14.94
Bravo Weather Stick	pt	$3.49	Permit	oz	$23.42
Botran 75 W	lb	$17.18	Permit Plus	oz	$23.86
Captan 50 WP	lb	$6.13	PowerFlex	oz	$8.02
CruiserMaxx Vibrance	oz	$4.46	Prefix	pt	$7.54
Headline EC	oz	$1.32	Prowl 3.3 EC	pt	$6.63
Propimax EC	pt	$18.20	Roundup Power Max	oz	$0.18
Prosaro	oz	$1.81	Roundup PowerMax	pt	$2.85

Appendix Table 4. Estimated Operating Input Prices, Louisiana 2025 (CONTINUED)

Item	Unit	Price	Item	Unit	Price
Herbicides (Continued)			**Insecticides (Continued)**		
Roundup PowerMax ii	oz	$0.31	Imidan 70 WSB	oz	$1.55
Roundup Pro	pt	$0.20	Intrepid 2F	oz	$2.14
Scepter 70 DG	oz	$6.04	Leverage	oz	$2.03
Select Max	pt	$15.01	Mustang Max	oz	$1.48
Sharpen	oz	$7.46	Oberon	oz	$3.67
Synchrony XP	oz	$13.00	Orthene 97	lb	$27.26
Touchdown Total	qt	$10.21	Pounce 25WP	lb	$19.96
Treflan	pt	$3.65	Prevathon	oz	$1.47
Valor EZ	oz	$4.26	Radiant	oz	$6.87
Valor SX	oz	$3.06	Sevin 4F	pt	$8.55
Valor XLT	oz	$3.59	**Other**		
Insecticide			Bin Sweetpotato	each	$85.00
Acephate 90%	lb	$6.75	Box Sweetpotato	each	$2.00
Acephate 90SP	lb	$6.75	Crate Sweetpotato	each	$8.00
Admire Pro	oz	$2.19	Plastic Mulch 8' by 2000'	roll	$238.20
Asana .66 XL	oz	$0.51	Polypipe for Irrigation	ft	$0.30
Baythroid XL	oz	$2.46	Sweet Potato Broker	box	$0.75
Belt	oz	$6.41	Shrink Wrap	box	$0.16
Belay	oz	$2.23	Sweetpotato Storage	bu	$1.50
Bifenthrin	oz	$0.48	Sweetpotato - LDAF Assessment	Acre	$17.50
Bifenture 2EC	oz	$0.47	Sweetpotato - bucket crew	Bu	$1.65
Brigade EC	oz	$1.27	Sweetpotato - Consultant	Acre	$15.00
Centric 40WG	oz	$7.29	Sweetpotato Seed - Grower	Bu	$18.00
Imidacloprid 4F	oz	$0.48	Sweetpotato Seed- Foundation	Bu	$20.00

Appendix Table 5. Tractors – Assumed Performance and Cost Parameters and Estimated Direct and Fixed Costs per Hour, Louisiana 2025

Tractor	Size	Fuel Use (gal/hr.)	Purchase Price (dollars)	Salvage Value (percent)	Repair and Maintenance (R/M) (percent)	Useful Life (years)	Annual Use (hours)	Fuel Cost ($/hr)	R/M Cost ($/hr)	Labor Cost ($/hr)	Total Direct Cost ($/hr)	Fixed Cost ($/hr)	Total Cost ($/hr)
Tractor(20-39hp)CB	MFWD 30	1.544	$38,500	40.00%	15.00%	8	600	$4.32	$1.20	$14.83	$20.36	$9.01	$29.37
Tractor(20-39hp)RB	MFWD 30	1.544	$28,100	40.00%	15.00%	8	600	$4.32	$0.88	$14.83	$20.03	$6.58	$26.61
Tractor(40-59hp)CB	2WD 50	2.574	$39,900	40.00%	15.00%	8	600	$7.21	$1.25	$14.83	$23.28	$9.34	$32.62
Tractor(40-59hp)CB	MFWD 50	2.574	$50,600	40.00%	15.00%	8	600	$7.21	$1.58	$14.83	$23.62	$11.84	$35.46
Tractor(40-59hp)RB	2WD 50	2.574	$29,100	40.00%	15.00%	8	600	$7.21	$0.91	$14.83	$22.95	$6.81	$29.75
Tractor(40-59hp)RB	MFWD 50	2.574	$33,800	40.00%	15.00%	8	600	$7.21	$1.06	$14.83	$23.09	$7.91	$31.00
Tractor(60-89hp)CB	2WD 75	3.860	$69,500	40.00%	15.00%	8	600	$10.81	$2.17	$14.83	$27.81	$16.26	$44.07
Tractor(60-89hp)CB	MFWD 75	3.860	$79,000	40.00%	15.00%	8	600	$10.81	$2.47	$14.83	$28.11	$18.49	$46.59
Tractor(60-89hp)RB	2WD 75	3.860	$60,100	40.00%	15.00%	8	600	$10.81	$1.88	$14.83	$27.52	$14.06	$41.58
Tractor(60-89hp)RB	MFWD 75	3.860	$53,400	40.00%	15.00%	8	600	$10.81	$1.67	$14.83	$27.31	$12.50	$39.80
Tractor(90-119hp)CB	2WD 105	5.405	$96,900	40.00%	15.00%	8	600	$15.13	$3.03	$14.83	$32.99	$22.67	$55.67
Tractor(90-119hp)CB	MFWD 105	5.405	$109,900	40.00%	15.00%	8	600	$15.13	$3.43	$14.83	$33.40	$25.72	$59.11
Tractor(90-119hp)RB	2WD 105	5.405	$91,600	40.00%	15.00%	8	600	$15.13	$2.86	$14.83	$32.83	$21.43	$54.26
Tractor(90-119hp)RB	MFWD 105	5.405	$97,400	40.00%	15.00%	8	600	$15.13	$3.04	$14.83	$33.01	$22.79	$55.80
Tractor(120-139hp)CB	2WD 130	6.691	$127,900	40.00%	15.00%	8	600	$18.74	$4.00	$14.83	$37.56	$29.93	$67.49
Tractor(120-139hp)CB	MFWD 130	6.691	$165,700	40.00%	15.00%	8	600	$18.74	$5.18	$14.83	$38.74	$38.77	$77.52
Tractor(140-159hp)	2WD 150	7.721	$152,300	40.00%	15.00%	8	600	$21.62	$4.76	$14.83	$41.21	$35.64	$76.85
Tractor(140-159hp)CB	MFWD 150	7.721	$179,700	40.00%	15.00%	8	600	$21.62	$5.62	$14.83	$42.06	$42.05	$84.11
Tractor(160-179hp)CB	MFWD 170	8.750	$217,000	35.00%	15.00%	8	600	$24.50	$6.78	$14.83	$46.11	$52.45	$98.56
Tractor(180-199hp)CB	MFWD 190	9.780	$274,000	35.00%	15.00%	8	600	$27.38	$8.56	$14.83	$50.78	$66.22	$117.00
Tractor(200-249hp)CB	MFWD 225	11.581	$327,000	35.00%	15.00%	8	600	$32.43	$10.22	$14.83	$57.48	$79.03	$136.51
Tractor(250-349hp)CB	4WD 300	15.442	$452,000	35.00%	15.00%	8	600	$43.24	$14.13	$14.83	$72.19	$109.24	$181.44
Tractor(250-349hp)CB	Track 300	15.442	$329,000	35.00%	15.00%	8	600	$43.24	$10.28	$14.83	$68.35	$79.52	$147.86
Tractor(250-349hp)CB	MFWD 300	15.442	$392,000	35.00%	15.00%	8	600	$43.24	$12.25	$14.83	$70.32	$94.74	$165.06
Tractor(350-449hp)	Track 400	20.589	$635,000	35.00%	15.00%	8	600	$57.65	$19.84	$14.83	$92.32	$153.47	$245.80
Tractor(350-449hp)CB	4WD 400	20.589	$501,000	35.00%	15.00%	8	600	$57.65	$15.66	$14.83	$88.14	$121.09	$209.22
Tractor(450-550hp)CB	Track 500	25.736	$683,000	35.00%	15.00%	8	600	$72.06	$21.34	$14.83	$108.23	$165.08	$273.31
Tractor(450-550hp)CB	4WD 500	25.736	$577,000	35.00%	15.00%	8	600	$72.06	$18.03	$14.83	$104.92	$139.46	$244.38

Appendix Table 6. Self-Propels – Assumed Performance and Cost Parameters and Estimated Direct and Fixed Costs per Hour, Louisiana 2025

Item	Size	Fuel Type	Performance Rate (hrs/ac)	Fuel Use (gal/hr)	Purchase Price (dollars)	Salvage Value (percent)	Repair and Maintenance (R/M) (percent)	Useful Life (years)	Annual Use (hours)	Fuel Cost ($/hr)	R/M Cost ($/hr)	Labor Cost ($/hr)	Total Direct Cost ($/hr)	Fixed Cost ($/hr)	Total Cost ($/hr)
Forklift		DI	0.330	1.070	$48,000	20.00%	19.00%	10	1000	$3.00	$0.91	$14.83	$18.74	$6.67	$25.41
Truck - 2 Row Harvest	18 Wheeler	DI	1.667	0.720	$193,000	20.00%	45.00%	15	600	$2.02	$9.65	$14.83	$26.50	$36.46	$62.95
Truck - Shaker Harvest	18 Wheeler	DI	0.333	0.720	$193,000	20.00%	45.00%	15	600	$2.02	$9.65	$14.83	$26.50	$36.46	$62.95
Truck - Bulk Harvest	18 Wheeler	DI	0.417	0.720	$193,000	20.00%	45.00%	15	600	$2.02	$9.65	$14.83	$26.50	$36.46	$62.95
Sprayer 600-750gal	60' 175hp	DI	0.018	9.000	$216,000	30.00%	15.00%	8	350	$25.20	$11.57	$14.83	$51.60	$92.34	$143.95
Sprayer 600-825gal	90' 250hp	DI	0.012	12.739	$351,000	30.00%	15.00%	8	350	$35.67	$18.80	$14.83	$69.30	$150.06	$219.36
Sprayer 600-825gal	80' 175hp	DI	0.013	11.812	$273,000	30.00%	15.00%	8	350	$33.07	$14.63	$14.83	$62.53	$116.71	$179.24
Sprayer 800gal	100' 250hp	DI	0.011	14.154	$383,000	30.00%	15.00%	8	350	$39.63	$20.52	$14.83	$74.98	$163.74	$238.72
Sprayer 800gal	80' 250hp	DI	0.013	12.868	$287,000	30.00%	15.00%	8	350	$36.03	$15.38	$14.83	$66.24	$122.70	$188.93
Sprayer 1000-1400gal	90' 275hp	DI	0.011	14.154	$381,000	30.00%	15.00%	8	350	$39.63	$20.41	$14.83	$74.87	$162.88	$237.76
Sprayer 1000gal	100' 300hp	DI	0.011	15.441	$528,000	30.00%	15.00%	8	350	$43.23	$28.29	$14.83	$86.35	$225.73	$312.08
Sprayer 1200+gal	120' 300hp	DI	0.009	15.442	$519,000	30.00%	15.00%	8	350	$43.24	$27.80	$14.83	$85.87	$221.88	$307.75

Appendix Table 7. Implements – Assumed Performance and Cost Parameters and Estimated Direct and Fixed Costs per Acre, Louisiana 2025

Item	Size	Power Unit (P.U.)	Perform Rate (hrs/ac)	Purchase Price (dollars)	Salvage Value (percent)	Repair/ Maintenance (R/M) (percent)	Useful Life (years)	Annual Use (hours)	Fuel Cost ($/Ac)	R/M Cost (P.U.) ($/Ac)	R/M Cost (Imp) ($/Ac)	Labor Cost ($/Ac)	Total Direct Cost ($/Ac)	Fixed Cost (P.U.) ($/Ac)	Fixed Cost (Imp) ($/Ac)	Total Cost ($/Ac)
Bed/Disk (Hipper)	4R-38	MFWD 150	0.1476	$15,700	30.00%	40.00%	10	160	$3.19	$0.83	$0.58	$2.41	$7.01	$6.21	$1.91	$15.13
Bed/Disk (Hipper)	6R-38	MFWD 170	0.0987	$23,600	30.00%	40.00%	10	160	$2.42	$0.67	$0.58	$1.61	$5.28	$5.18	$1.92	$12.38
Bed/Disk (Hipper)Fl	8R-38	MFWD 190	0.0741	$45,800	30.00%	40.00%	10	160	$2.03	$0.63	$0.85	$1.21	$4.72	$4.91	$2.80	$12.43
Bed/Disk (Hipper)	12R-38	MFWD 225	0.0493	$114,000	30.00%	40.00%	10	160	$1.60	$0.50	$1.41	$0.80	$4.32	$3.90	$4.65	$12.86
Chisel Plow-Folding	24'	MFWD 190	0.0765	$59,800	30.00%	65.00%	12	150	$2.09	$0.65	$1.65	$1.25	$5.65	$5.06	$3.68	$14.39
Chisel Plow-Folding	32'	MFWD 225	0.0578	$76,500	30.00%	65.00%	12	150	$1.87	$0.59	$1.60	$0.94	$5.00	$4.57	$3.56	$13.13
Chisel Plow-Folding	42'	MFWD 225	0.0440	$88,600	30.00%	65.00%	12	150	$1.43	$0.45	$1.41	$0.72	$4.00	$3.48	$3.14	$10.62
Chisel Plow-Folding	50'	MFWD 225	0.0370	$113,000	30.00%	65.00%	12	150	$1.20	$0.38	$1.51	$0.60	$3.69	$2.92	$3.36	$9.97
Chisel Plow-Folding	61'	MFWD 225	0.0303	$141,000	30.00%	65.00%	12	150	$0.98	$0.31	$1.54	$0.49	$3.33	$2.40	$3.44	$9.17
Chisel Plow-Rigid	10'	2WD 130	0.1849	$16,100	30.00%	65.00%	12	150	$3.46	$0.74	$1.07	$3.02	$8.29	$5.53	$2.40	$16.22
Chisel Plow-Rigid	15'	2WD 130	0.1233	$20,100	30.00%	65.00%	12	150	$2.31	$0.49	$0.89	$2.01	$5.71	$3.69	$2.00	$11.39
Chisel Plow-Rigid	20'	MFWD 225	0.1027	$13,400	30.00%	65.00%	12	150	$3.33	$1.05	$0.50	$1.68	$6.55	$8.12	$1.11	$15.78
Cultivate	4R-38	2WD 105	0.1624	$21,500	30.00%	40.00%	10	150	$2.46	$0.49	$0.93	$2.65	$6.53	$3.68	$3.08	$13.29
Cultivate	6R-38	MFWD 150	0.1086	$28,000	30.00%	40.00%	10	150	$2.35	$0.61	$0.81	$1.77	$5.54	$4.56	$2.68	$12.78
Cultivate	8R-38	MFWD 190	0.0737	$43,200	30.00%	40.00%	10	150	$2.02	$0.63	$0.85	$1.20	$4.70	$4.88	$2.80	$12.38
Cultivate	12R-38	MFWD 225	0.0543	$60,200	30.00%	40.00%	10	150	$1.76	$0.55	$0.87	$0.89	$4.07	$4.29	$2.88	$11.24
Cultivate & Post	4R-38	2WD 105	0.1732	$27,300	30.00%	40.00%	10	150	$2.62	$0.52	$1.26	$2.83	$7.23	$3.93	$4.17	$15.33
Cultivate & Post	6R-38	MFWD 150	0.1158	$33,800	30.00%	40.00%	10	150	$2.50	$0.65	$1.04	$1.89	$6.09	$4.87	$3.45	$14.40
Cultivate & Post	8R-38	MFWD 190	0.0870	$49,100	30.00%	40.00%	10	150	$2.38	$0.74	$1.14	$1.42	$5.68	$5.76	$3.76	$15.20
Cultivate & Post	12R-38	MFWD 225	0.0579	$66,000	30.00%	40.00%	10	150	$1.88	$0.59	$1.02	$0.94	$4.43	$4.58	$3.37	$12.37
Disk & Incorporate	14'	2WD 130	0.1497	$42,100	30.00%	60.00%	10	200	$2.80	$0.60	$1.89	$2.44	$7.73	$4.48	$4.16	$16.38
Disk & Incorporate	20'	MFWD 190	0.0924	$83,300	30.00%	60.00%	10	200	$2.53	$0.79	$2.31	$1.51	$7.14	$6.12	$5.09	$18.35
Disk & Incorporate	24'	MFWD 190	0.0873	$71,800	30.00%	60.00%	10	200	$2.39	$0.75	$1.88	$1.42	$6.44	$5.78	$4.14	$16.37
Disk & Incorporate	28'	MFWD 225	0.0748	$82,000	30.00%	60.00%	10	200	$2.43	$0.76	$1.84	$1.22	$6.25	$5.91	$4.06	$16.22
Disk & Incorporate	32'	MFWD 225	0.0655	$93,300	30.00%	60.00%	10	200	$2.12	$0.67	$1.83	$1.07	$5.69	$5.18	$4.04	$14.91
Disk Harrow	14'	2WD 130	0.1403	$36,300	30.00%	50.00%	10	180	$2.63	$0.56	$1.41	$2.29	$6.89	$4.20	$3.74	$14.83
Disk Harrow	20'	MFWD 190	0.0982	$77,500	30.00%	50.00%	10	180	$2.69	$0.84	$2.11	$1.60	$7.25	$6.50	$5.59	$19.34
Disk Harrow	24'	MFWD 190	0.0819	$65,900	30.00%	50.00%	10	180	$2.24	$0.70	$1.50	$1.34	$5.78	$5.42	$3.96	$15.16
Disk Harrow	28'	MFWD 225	0.0702	$76,200	30.00%	50.00%	10	180	$2.27	$0.72	$1.48	$1.14	$5.62	$5.54	$3.93	$15.09

Appendix Table 7. Implements – Assumed Performance and Cost Parameters and Estimated Direct and Fixed Costs per Acre, Louisiana 2025 (CONTINUED)

Item	Size	Power Unit (P.U.)	Perform Rate (hrs/ac)	Purchase Price (dollars)	Salvage Value (percent)	Repair/ Maintenance (R/M) (percent)	Useful Life (years)	Annual Use (hours)	Fuel Cost ($/Ac)	R/M Cost (P.U.) ($/Ac)	R/M Cost (Imp) ($/Ac)	Labor Cost ($/Ac)	Total Direct Cost ($/Ac)	Fixed Cost (P.U.) ($/Ac)	Fixed Cost (Imp) ($/Ac)	Total Cost ($/Ac)
Disk Harrow	32'	MFWD 225	0.0614	$87,500	30.00%	50.00%	10	180	$1.99	$0.63	$1.49	$1.00	$5.11	$4.85	$3.94	$13.91
Disk Harrow	42'	MFWD 225	0.0468	$139,000	30.00%	50.00%	10	180	$1.52	$0.48	$1.81	$0.76	$4.56	$3.70	$4.77	$13.03
Disk Heavy	14'	MFWD 150	0.1460	$36,300	30.00%	50.00%	10	180	$3.16	$0.82	$1.47	$2.38	$7.83	$6.14	$3.89	$17.86
Disk Heavy	20'	MFWD 190	0.0973	$77,500	30.00%	50.00%	10	180	$2.66	$0.83	$2.09	$1.59	$7.18	$6.44	$5.54	$19.16
Disk Heavy	28'	MFWD 225	0.0757	$76,200	30.00%	50.00%	10	180	$2.45	$0.77	$1.60	$1.23	$6.06	$5.98	$4.23	$16.28
Ditcher		2WD 130	0.0200	$6,720	30.00%	80.00%	10	200	$0.37	$0.08	$0.05	$0.33	$0.83	$0.60	$0.09	$1.52
Fert Appl (Liquid)	4R-38	MFWD 150	0.1547	$25,400	40.00%	80.00%	8	150	$3.34	$0.87	$2.62	$2.52	$9.35	$6.50	$3.68	$19.54
Fert Appl (Liquid)	6R-38	MFWD 170	0.1034	$25,300	40.00%	80.00%	8	150	$2.53	$0.70	$1.74	$1.69	$6.66	$5.42	$2.45	$14.53
Fert Appl (Liquid)	8R-38	MFWD 190	0.0776	$29,500	40.00%	80.00%	8	150	$2.13	$0.66	$1.53	$1.27	$5.58	$5.14	$2.14	$12.87
Fert Appl (Liquid)	12R-38	MFWD 225	0.0517	$31,100	40.00%	80.00%	8	150	$1.68	$0.53	$1.07	$0.84	$4.12	$4.09	$1.50	$9.71
Fertilizer - Pull Type	6'	MFWD 75	0.3930	$0	15.00%	30.00%	10	150	$4.25	$0.97	$0.00	$6.41	$11.63	$7.26	$0.00	$18.89
Fertilizer - Pull Type	12'	MFWD 75	0.1960	$10,000	15.00%	30.00%	10	150	$2.12	$0.48	$0.39	$3.20	$6.19	$3.62	$1.86	$11.67
Field Cult & Inc Rdg	12'	2WD 150	0.1322	$23,200	30.00%	25.00%	10	100	$2.86	$0.63	$0.77	$2.16	$6.41	$4.71	$4.05	$15.18
Field Cult & Inc Fld	24'	MFWD 170	0.0661	$47,900	30.00%	25.00%	10	100	$1.62	$0.45	$0.79	$1.08	$3.94	$3.47	$4.19	$11.59
Field Cult & Inc Fld	32'	MFWD 190	0.0496	$69,400	30.00%	25.00%	10	100	$1.36	$0.42	$0.86	$0.81	$3.45	$3.28	$4.55	$11.28
Field Cult & Inc	42'	MFWD 225	0.0378	$97,800	30.00%	25.00%	10	100	$1.22	$0.39	$0.92	$0.62	$3.15	$2.99	$4.88	$11.02
Field Cultivate Rdg	12'	2WD 150	0.1244	$17,400	30.00%	25.00%	10	100	$2.69	$0.59	$0.54	$2.03	$5.85	$4.43	$2.86	$13.15
Field Cultivate Fld	24'	MFWD 170	0.0622	$42,100	30.00%	25.00%	10	100	$1.52	$0.42	$0.65	$1.01	$3.62	$3.26	$3.46	$10.34
Field Cultivate Fld	32'	MFWD 190	0.0467	$63,600	30.00%	25.00%	10	100	$1.28	$0.40	$0.74	$0.76	$3.18	$3.09	$3.92	$10.19
Field Cultivate Fld	42'	MFWD 225	0.0356	$87,500	30.00%	25.00%	10	100	$1.15	$0.36	$0.78	$0.58	$2.87	$2.81	$4.11	$9.80
Fumigant Applicator	6 Row	MFWD 150	0.0900	$10,297	10.00%	50.00%	10	50	$1.95	$0.51	$0.93	$1.47	$4.85	$3.78	$2.70	$11.33
S Potato Planter		MFWD 105	0.3300	$15,840	25.00%	50.00%	15	50	$4.99	$1.13	$3.48	$5.38	$15.00	$8.49	$11.66	$35.15
Plastic - 4 Ft Centers		MFWD 50	1.6180	$4,007	17.00%	80.00%	16	81	$11.66	$2.56	$4.00	$26.39	$44.61	$19.16	$8.90	$72.68
Spray (Bcast/HB)	13' Rigid	MFWD 150	0.1302	$9,170	40.00%	75.00%	8	200	$2.81	$0.73	$0.56	$2.12	$6.23	$5.47	$0.84	$12.54
Spray (Bcast/HB)	20' Rigid	MFWD 150	0.0846	$10,700	40.00%	75.00%	8	200	$1.83	$0.48	$0.42	$1.38	$4.11	$3.56	$0.64	$8.30
Spray (Bcast/HB)	27' Fold	MFWD 170	0.0627	$13,600	40.00%	75.00%	8	200	$1.54	$0.43	$0.40	$1.02	$3.38	$3.29	$0.60	$7.27
Spray (Bcast/HB)	27' Rigid	MFWD 170	0.0627	$12,600	40.00%	75.00%	8	200	$1.54	$0.43	$0.37	$1.02	$3.35	$3.29	$0.55	$7.20
Spray (Bcast/HB)	30' Fold	MFWD 170	0.0564	$19,400	40.00%	75.00%	8	200	$1.38	$0.38	$0.51	$0.92	$3.20	$2.96	$0.77	$6.92
Spray (Bcast/HB)	40' Fold	MFWD 170	0.0423	$23,200	40.00%	75.00%	8	200	$1.04	$0.29	$0.46	$0.69	$2.47	$2.22	$0.69	$5.38
Spray (Broadcast)	27'	MFWD 170	0.0627	$5,810	40.00%	75.00%	8	200	$1.54	$0.43	$0.17	$1.02	$3.15	$3.29	$0.26	$6.70
Spray (Broadcast)	40'	MFWD 170	0.0423	$10,350	40.00%	75.00%	8	200	$1.04	$0.29	$0.21	$0.69	$2.22	$2.22	$0.31	$4.75

Appendix Table 7. Implements – Assumed Performance and Cost Parameters and Estimated Direct and Fixed Costs per Acre, Louisiana 2025 (CONTINUED)

Item	Size	Power Unit (P.U.)	Perform Rate (hrs/ac)	Purchase Price (dollars)	Salvage Value (percent)	Repair/ Maintenance (R/M) (percent)	Useful Life (years)	Annual Use (hours)	Fuel Cost ($/Ac)	R/M Cost (P.U.) ($/Ac)	R/M Cost (Imp) ($/Ac)	Labor Cost ($/Ac)	Total Direct Cost ($/Ac)	Fixed Cost (P.U.) ($/Ac)	Fixed Cost (Imp) ($/Ac)	Total Cost ($/Ac)
Spray (Broadcast)	50'	MFWD 170	0.0339	$9,670	40.00%	75.00%	8	200	$0.83	$0.23	$0.15	$0.55	$1.76	$1.78	$0.23	$3.77
Spray (Broadcast)	60'	MFWD 170	0.0282	$18,600	40.00%	75.00%	8	200	$0.69	$0.19	$0.25	$0.46	$1.59	$1.48	$0.37	$3.44
S Potato Seed Covering		MFWD 75	0.2000	$17,357	30.00%	80.00%	10	200	$2.16	$0.49	$1.39	$3.26	$7.31	$3.70	$2.29	$13.30
S Potato Harvester	2 Row	MFWD 150	3.3330	$52,800	15.00%	88.00%	15	300	$72.05	$18.72	$34.41	$54.37	$179.56	$140.15	$67.52	$387.23
S Potato Shaker Harvester	4 Row	MFWD 150	0.6667	$31,680	15.00%	88.00%	15	300	$14.41	$3.74	$4.13	$10.88	$33.16	$28.03	$8.10	$69.30
S Potato - Bulk Harvester		MFWD 150	0.8333	$380,162	15.00%	88.00%	15	300	$18.01	$4.68	$61.95	$13.59	$98.24	$35.04	$121.55	$254.83
Plant Cutting Machine		MFWD 75	0.2000	$30,033	30.00%	175.00%	20	200	$2.16	$0.49	$2.63	$3.26	$8.55	$3.70	$2.99	$15.23
S Potato Vine shredder	2 row	MFWD 150	0.1375	$35,000	30.00%	175.00%	10	200	$2.97	$0.77	$4.21	$2.24	$10.20	$5.78	$3.18	$19.16
S Potato Vine shredder	4 row	MFWD 150	0.0917	$52,000	30.00%	175.00%	10	200	$1.98	$0.51	$4.17	$1.50	$8.17	$3.86	$3.15	$15.17
Stalk Shredder	14'	MFWD 150	0.1179	$37,500	30.00%	175.00%	10	200	$2.55	$0.66	$3.87	$1.92	$9.00	$4.96	$2.92	$16.88
Stalk Shredder-Flail	12'	MFWD 150	0.1375	$32,200	30.00%	175.00%	10	200	$2.97	$0.77	$3.87	$2.24	$9.86	$5.78	$2.93	$18.57
Stalk Shredder-Flail	15'	MFWD 150	0.1100	$35,700	30.00%	175.00%	10	200	$2.38	$0.62	$3.44	$1.79	$8.23	$4.63	$2.60	$15.45
Stalk Shredder-Flail	18'	MFWD 150	0.0917	$53,400	30.00%	175.00%	10	200	$1.98	$0.51	$4.28	$1.50	$8.28	$3.85	$3.24	$15.37
Stalk Shredder-Flail	20'	MFWD 150	0.0825	$47,500	30.00%	175.00%	10	200	$1.78	$0.46	$3.43	$1.35	$7.02	$3.47	$2.59	$13.08
Stalk Shredder-Flail	25'	MFWD 150	0.0660	$72,200	30.00%	175.00%	10	200	$1.43	$0.37	$4.17	$1.08	$7.04	$2.78	$3.15	$12.97
Transplanter - Slips	6 Row	MFWD 75	1.0000	$32,053	17.00%	2.00%	19	225	$10.81	$2.47	$0.15	$16.31	$29.74	$18.49	$14.82	$63.04
Utility Trailier	10 Ft	MFWD 50	1.0000	$1,928	15.00%	40.00%	15	200	$7.21	$1.58	$0.26	$16.31	$25.36	$11.84	$1.11	$38.31