COTTON
2025
PLANNING BUDGETS

Mississippi State University
Department of Agricultural Economics
Budget Report 2024-01

November 2024

Foreword

This report is designed to provide necessary planning data to farmers, research and extension staffs, lending agencies, and others in agriculture. Readers are cautioned that returns presented are labeled "**Returns Above Specified Expenses**." Estimated costs for land, management, and general farm overhead are not included in this report. The exception is unallocated labor, which is included. "**Returns Above Direct Expenses**" should be used in making 2025 planning decisions. This would be a one-year short-run decision. Decisions beyond one year, or long-run decisions, should be based on "**Returns Above Specified Expenses**."

Acknowledgments

A list of individuals who contributed to the development of the agricultural enterprise budgets follows this acknowledgment. The administrative committee structure and enterprise committees have shown a spirit of cooperation seldom found when so many work together. A team effort has led to many improvements in the budgets over the years.

Special appreciation is expressed to producers who provided information on crop practices used. Appreciation also is expressed to farm supply dealers, equipment dealers, custom operators, and chemical companies who provided prices for crop production inputs. The Mississippi Agricultural Statistics Service is commended for its excellence in collecting price and production practice data.

Acknowledgment is made to the Mississippi State University Extension Service, the Mississippi Agricultural and Forestry Experiment Station, and the United States Agricultural Research Service staffs for the excellent cooperation that made this report possible.

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Budgets for Agricultural Enterprises

This publication provides economic and technical information in the form of enterprise budgets for a major crop produced by Mississippi farmers. A multidisciplinary approach involving researchers and extension personnel was used to determine production practices and input quantities, and to estimate costs and returns for each enterprise (14). The purpose of this section is to present the methods and procedures used to calculate costs and returns for each budget included in this publication.

Enterprise budgets represent a type of information that can be used by a wide variety of individuals in making decisions in the food and fiber industry. They are used:

- by farmers for planning,
- by extension personnel in providing educational programs to farmers,
- by lenders as a basis for credit,
- to provide basic data for research, and
- to inform non-farmers of the costs incurred by farmers in the production of food and fiber crops.

A budget should be prepared with a specific objective in mind. The budgets in this report were prepared to provide general information for several different uses. They provide information concerning general levels of costs and returns which will need to be adjusted for specific situations. Most users should think of these budgets as a first approximation and then make appropriate adjustments using the "Your Farm" column provided on each budget to add, delete, or change costs or incomes to reflect their specific situations.

Methods and Procedures

Production Practices

The production practices listed in each budget are the result of a combined effort by researchers and extension personnel to represent those practices that producers could use in a specific production system. Producers might use different practices in their own operations. If different types and quantities of operating inputs are to be used, then the budgeted expenses should be changed to more accurately reflect actual input usage.

Committees made up of appropriate disciplines from the Mississippi Agricultural and Forestry Experiment Station, the Mississippi State University Extension Service, and the U.S. Department of Agriculture review and update the practices in the budgets every year. The updates are based on the collective judgment of the committee members. Quantities of materials and individual production practices budgeted are based on generally accepted recommendations by committee members.

Machinery

Machinery manufacturers form the basis for machinery prices used in these publications. Prices by size of equipment are determined from the most common sales in each category as reported by machinery dealers. Prices used in the budgets reflect prices paid by farmers in 2024. (Appendix Tables 1, 2, and 3).

A performance rate reflects the time required to perform a given task or operation and is expressed as that part of an hour per acre. Previous studies and expert knowledge of the equipment committee members are used to estimate performance rates for new and larger equipment (1, 4, 5, 6, 7, 9, and 13).

The hours of annual use have been modified based on information collected from the cited studies (3, 4, 6, and 7).

Repairs and maintenance as a percentage of new cost are estimated for the life of the equipment and include oil and lubricants (1, 4, and 6).

Estimates of Direct Costs

Direct costs include estimated costs of repairs and maintenance (R&M) for all machinery and include fuel costs for powered machinery (Appendix Tables 1, 2, and 3). Direct costs are estimated on an hourly basis and are then converted to a per-acre basis using the performance rate for the particular operation. R&M costs for towed equipment and powered equipment are estimated as follows:

$$RPH = \frac{RLC \times RP}{THL}$$

$$RPA = RPH \times PR$$

where:

RPH = R&M cost per hour of use
RLC = Replacement cost of machine
RP = R&M percentage (percent of RLC)
THL = Total hours of machine life
RPA = R&M cost per acre
PR = Performance rate

Direct costs include an estimate of fuel cost based on average fuel consumption per hour of use for the power unit. Other components of direct costs include quantities of materials used in production multiplied by the price per unit of these inputs, custom rates, hourly wage rates, and interest charges on operating capital (Appendix Tables 4, 5, and 6).

The labor wage rate per hour includes social security, accident and unemployment insurance, and some perquisites (11). Labor costs are estimated for four labor categories: operator labor, hand labor, irrigation labor, and unallocated labor. Operator labor and hand labor represent estimates of labor required to perform the in-field tasks. Operator labor is that labor required to operate all power-driven equipment. Irrigation labor is used to perform tasks associated with an irrigation system. Unallocated labor is an estimate of labor that is not used directly in producing the enterprise. Its cost is estimated as a percentage of operator labor (11). The percentages used for the various crop enterprises are listed in Appendix Table 6.

Interest on operating capital is determined by using a short-term interest rate obtained from agricultural lenders and making a charge against capital outflows as the production process takes place. Interest is accumulated until the crop is harvested.

Estimates of Fixed Costs

Annual fixed cost estimates for machinery are based on a budgeting technique which computes the annual capital recovery charge (2, p. 143). When a combination of machines or equipment is required to perform a single operation, the total cost per acre for all equipment used in the operation is estimated. The fixed cost of machinery ownership is calculated by first computing the capital recovery factor and then using it to estimate the annual capital recovery charge.

$$CRF = \frac{IIR}{1 - (1 + IIR)^{-TYL}}$$

where:

CRF = Capital recovery factor
IIR = Intermediate-term interest rate
TYL = Total years of life

$$CRCPY = [(RLC - SV) \times CRF] + (SV \times IIR)$$

where:

CRCPY = Capital recovery charge per year
RLC = Replacement cost
SV = Salvage value (at end of useful life)

This value is then converted to its per-hour and per-acre equivalent values:

$$CRCPH = \frac{CRCPY}{HAU}$$

$$CRCPA = CRCPH \; x \; PR$$

where:

CRCPH = Capital recovery charge per hour
HAU = Hours of annual use
CRCPA = Capital recovery charge per acre
PR = Performance rate

Estimates of Returns

It is difficult to estimate crop yields that may be expected for a particular production system in a given year. Crop yields used in the budgets are representative of historical yields modified to match the production system used to produce the yield. All yields including conventional, no-tillage, irrigation, and double-cropping are tempered with unpublished research and judgments of the commodity committees. Producers should use yield estimates that are reflective of their own operation.

To estimate returns, a price for the commodity must be used. Individual producers must determine their own expected price for the commodity. Commodity prices used in this report represent the higher of a calculated forward contract price or the loan rate that was applicable for the 2024 crop year. Government payments for commodities are not included in the budgets except to the extent that they are included in loan rates.

The futures price for an appropriate contract month is determined by averaging the closing prices for the first five trading days in October. The basis is determined by subtracting the average daily cash price for the month of October from the average daily closing price of the specified harvest month futures contract. These average futures prices and the basis adjustments are presented in Appendix Table 7.

A special table is presented to illustrate the effects of alternative levels of yields and prices on net returns. The budgeted yield and the budgeted price are used as base values (100 percent). Yields are then varied from 50 to 150 percent of the base yield while prices are varied from 75 to 125 percent of the base price. Net returns are computed for each combination of yield and price.

Irrigation Costs

Estimated costs of various irrigation systems are presented in Appendix Tables 8 and 9. A dryland crop budget may be converted to an irrigated crop budget by adding the appropriate direct and fixed costs to the costs of the dryland crop. Also, adjustments in crop yields and other costs may be required with the addition of supplemental irrigation.

Net Returns

Net returns are generally considered to be the amount left after subtracting all costs from all incomes for a particular enterprise. In these budgets, "RETURNS ABOVE DIRECT EXPENSES" and "RETURNS ABOVE TOTAL SPECIFIED EXPENSES" are used as a proxy for the economic concepts of net returns above variable costs and net returns above variable plus fixed costs, respectively. Some items are intentionally left out of these calculations, i.e., costs for land or land rent, taxes, insurance premiums, general farm overhead, and expected incomes from government payments or insurance payments. These costs and incomes vary widely among farms and farm situations so as to make routine calculation for representative situations impractical. These items should, however, be considered by each producer and factored into the final budget each producer develops for his own situation.

Enterprise Budgets

Table 1.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_________
App by Air (3 gal)	appl	7.50	5.2500	39.38	_________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	34.3582	82.80	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Select Max	pt	15.01	1.0000	15.01	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	5.2000	8.32	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
Diamond .83EC	oz	2.25	6.0000	13.50	_________
Imidacloprid 4F	oz	0.48	2.0000	0.96	_________
Bifenthrin	oz	0.48	12.8000	6.14	_________
LambdaT	oz	2.10	1.0000	2.10	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
Transform WG	oz	9.34	1.5000	14.01	_________
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	_________
Self-Propelled	hour	18.69	0.2075	3.88	_________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_________
Self-Propelled	hour	9.06	0.1899	1.71	_________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_________
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	_________
Self-Propelled	gal	2.86	4.8836	13.97	_________
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	_________
Tractors	acre	4.89	1.0000	4.89	_________
Self-Propelled	acre	29.85	1.0000	29.85	_________
INTEREST ON OP. CAP.	acre	30.47	1.0000	30.47	_________

TOTAL DIRECT EXPENSES				892.94	_________
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	_________
Tractors	acre	37.84	1.0000	37.84	_________
Self-Propelled	acre	145.02	1.0000	145.02	_________

TOTAL FIXED EXPENSES				202.69	_________

TOTAL SPECIFIED EXPENSES				1095.63	_________

Note: Cost of production estimates are based on 2024 input prices. .
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 1.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_________
Cotton Seed	lb	0.11	1620.0000	178.20	_________

TOTAL INCOME				1042.32	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	132.00	1.0000	132.00	_________
FERTILIZERS	acre	123.44	1.0000	123.44	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	111.43	1.0000	111.43	_________
INSECTICIDES	acre	88.11	1.0000	88.11	_________
SEED/PLANTS	acre	147.15	1.0000	147.15	_________
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3135	2.82	_________
OPERATOR LABOR	hour	18.69	0.6069	11.34	_________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_________
DIESEL FUEL	gal	2.86	11.0501	31.59	_________
REPAIR & MAINTENANCE	acre	45.85	1.0000	45.85	_________
INTEREST ON OP. CAP.	acre	30.47	1.0000	30.47	_________

TOTAL DIRECT EXPENSES				892.94	_________
RETURNS ABOVE DIRECT EXPENSES				149.38	_________
TOTAL FIXED EXPENSES				202.69	_________

TOTAL SPECIFIED EXPENSES				1095.63	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-53.31	_________

Note: Cost of production estimates are based on 2024 input prices. .
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 1.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.60	0.39	0.92	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 1.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		761.79	31.59	45.85	23.24	0.00	30.47	892.94	202.69	1095.63

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 1.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.37	3.49	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	261.18	104.80	70.77	37.89	33.40	193.40
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-261.18	-104.80	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-452.68	-557.48	-628.25	-666.14	-699.54	149.38

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 1.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-324	-302	-281	-259	-237	-216	-194	-173	-151	-129	-108
			-526	-505	-483	-462	-440	-418	-397	-375	-354	-332	-310
60	720.00	lb	-272	-246	-220	-194	-169	-143	-117	-91	-65	-39	-13
			-475	-449	-423	-397	-371	-345	-319	-293	-268	-242	-216
70	840.00	lb	-221	-190	-160	-130	-100	-69	-39	-9	20	50	81
			-423	-393	-363	-333	-302	-272	-242	-212	-181	-151	-121
80	960.00	lb	-169	-135	-100	-65	-31	3	37	72	106	141	175
			-372	-337	-303	-268	-234	-199	-164	-130	-95	-61	-26
90	1080.00	lb	-118	-79	-40	-1	37	76	115	154	192	231	270
			-320	-281	-243	-204	-165	-126	-87	-48	-9	29	67
100	1200.00	lb	-66	-23	19	62	106	149	192	235	278	322	365
			-269	-226	-182	-139	-96	-53	-10	33	76	119	162
110	1320.00	lb	-15	32	79	127	174	222	270	317	365	412	460
			-217	-170	-122	-75	-27	19	67	114	162	209	257
120	1440.00	lb	36	88	140	191	243	295	347	399	451	503	554
			-166	-114	-62	-10	41	92	144	196	248	300	352
130	1560.00	lb	87	144	200	256	312	368	424	481	537	593	649
			-114	-58	-2	53	109	166	222	278	334	390	446
140	1680.00	lb	139	199	260	320	381	441	502	562	623	683	744
			-63	-2	57	118	178	239	299	360	420	481	541
150	1800.00	lb	190	255	320	385	450	514	579	644	709	774	839
			-11	53	117	182	247	312	377	441	506	571	636

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 2.A Estimated costs per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_________
App by Air (3 gal)	appl	7.50	5.7500	43.13	_________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	34.3582	82.80	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Select Max	pt	15.01	1.0000	15.01	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	5.2000	8.32	_________
Diamond .83EC	oz	2.25	6.0000	13.50	_________
Imidacloprid 4F	oz	0.48	2.0000	0.96	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
Bifenthrin	oz	0.48	12.8000	6.14	_________
LambdaT	oz	2.10	1.0000	2.10	_________
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_________
Transform WG	oz	9.34	1.5000	14.01	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	51.0000	2.55	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5025	9.39	_________
Self-Propelled	hour	18.69	0.2075	3.88	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3000	2.73	_________
Implements	hour	9.06	0.0625	0.57	_________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_________
Self-Propelled	hour	9.06	0.1899	1.71	_________
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_________
DIESEL FUEL					
Tractors	gal	2.86	7.2737	20.78	_________
Self-Propelled	gal	2.86	4.8836	13.97	_________
Roll-Out Pipe Irr.	gal	2.86	8.5535	24.45	_________
REPAIR & MAINTENANCE					
Implements	acre	12.07	1.0000	12.07	_________
Tractors	acre	5.78	1.0000	5.78	_________
Self-Propelled	acre	29.85	1.0000	29.85	_________
Roll-Out Pipe Irr.	acre	7.16	1.0000	7.16	_________
INTEREST ON OP. CAP.	acre	32.25	1.0000	32.25	_________
TOTAL DIRECT EXPENSES				989.26	_________
FIXED EXPENSES					
Implements	acre	24.17	1.0000	24.17	_________
Tractors	acre	44.81	1.0000	44.81	_________
Self-Propelled	acre	145.02	1.0000	145.02	_________
Roll-Out Pipe Irr.	acre	74.47	1.0000	74.47	_________
TOTAL FIXED EXPENSES				288.47	_________
TOTAL SPECIFIED EXPENSES				1277.73	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 2.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_________
Cotton Seed	lb	0.11	2025.0000	222.75	_________

TOTAL INCOME				1302.90	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	165.00	1.0000	165.00	_________
FERTILIZERS	acre	123.44	1.0000	123.44	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	111.43	1.0000	111.43	_________
INSECTICIDES	acre	95.61	1.0000	95.61	_________
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_________
SEED/PLANTS	acre	147.15	1.0000	147.15	_________
GROWTH REGULATORS	acre	2.55	1.0000	2.55	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3135	2.82	_________
IRRIGATE LABOR	hour	9.06	0.3625	3.30	_________
OPERATOR LABOR	hour	18.69	0.7101	13.27	_________
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_________
DIESEL FUEL	gal	2.86	20.7109	59.20	_________
REPAIR & MAINTENANCE	acre	54.86	1.0000	54.86	_________
INTEREST ON OP. CAP.	acre	32.25	1.0000	32.25	_________

TOTAL DIRECT EXPENSES				989.26	_________
RETURNS ABOVE DIRECT EXPENSES				313.64	_________
TOTAL FIXED EXPENSES				288.47	_________

TOTAL SPECIFIED EXPENSES				1277.73	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				25.17	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 2.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	1.00	Nov		0.04	0.04	0.04	0.03
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Mepiquat Chloride	oz					19.0000				
Centric 40WG	oz					2.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
Roll-Out Pipe Irr.	acre				Jan	1.0000	0.07	0.07	0.44	
TOTALS							0.71	0.50	1.38	0.50

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 2.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		2.18	2.01	1.66		0.48	6.33	9.32	15.65
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.13	4.97	5.14	10.11
Engenia	oz	13.57					0.37	13.94		13.94
Glyphosate 3lbs a.e	oz	3.84					0.11	3.95		3.95
Dual Magnum	pt	10.11					0.28	10.39		10.39
Mepiquat Chloride	oz	0.95					0.03	0.98		0.98
Centric 40WG	oz	14.58					0.40	14.98		14.98
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
Roll-Out Pipe Irr.	acre	7.92	26.52	8.00	4.77		1.34	48.55	81.12	129.67
TOTALS		814.11	59.20	54.86	28.84	0.00	32.25	989.26	288.47	1277.73

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 2.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	0.00	27.52	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	5.12	64.97	22.14	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.46	0.00	0.00	0.00	0.00	1.97	4.62	5.10	1.93	0.23	0.69	10.84
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.55	0.00	0.00	0.00	0.00	2.28	4.85	11.40	10.12	8.15	0.47	17.38
REPAIR & MAINTENANCE	4.62	0.00	0.00	0.00	0.00	1.70	3.82	6.50	2.57	1.40	0.20	34.05
INTEREST ON OP. CAP.	8.22	0.00	0.00	0.00	1.93	2.28	10.38	2.66	3.80	0.95	0.47	1.56
TOTAL DIRECT EXPENSES	108.05	0.00	0.00	0.00	36.99	49.63	261.42	80.10	141.59	47.87	34.78	228.83
NET INCOME	-108.05	0.00	0.00	0.00	-36.99	-49.63	-261.42	-80.10	-141.59	-47.87	-34.78	1074.07
NET INCOME TO DATE	-108.05	-108.05	-108.05	-108.05	-145.04	-194.67	-456.09	-536.19	-677.78	-725.65	-760.43	313.64

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 2.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
B3TXF variety, 10.5 ac-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-278	-251	-224	-197	-170	-143	-116	-89	-62	-35	-8
			-566	-539	-512	-485	-458	-431	-404	-377	-350	-323	-296
60	900.00	lb	-213	-181	-149	-116	-84	-51	-19	12	45	77	110
			-502	-470	-437	-405	-372	-340	-308	-275	-243	-210	-178
70	1050.00	lb	-149	-111	-73	-36	1	39	77	115	152	190	228
			-438	-400	-362	-324	-286	-249	-211	-173	-135	-97	-60
80	1200.00	lb	-85	-41	1	44	87	130	174	217	260	303	346
			-373	-330	-287	-244	-200	-157	-114	-71	-28	15	58
90	1350.00	lb	-20	27	76	125	173	222	270	319	368	416	465
			-309	-260	-212	-163	-114	-66	-17	30	79	128	176
100	1500.00	lb	43	97	151	205	259	313	367	421	475	529	583
			-244	-190	-136	-82	-28	25	79	133	187	241	295
110	1650.00	lb	108	167	226	286	345	405	464	523	583	642	702
			-180	-121	-61	-2	57	116	175	235	294	354	413
120	1800.00	lb	172	237	302	366	431	496	561	626	690	755	820
			-116	-51	13	78	143	207	272	337	402	467	532
130	1950.00	lb	236	307	377	447	517	587	658	728	798	868	938
			-51	18	88	158	229	299	369	439	510	580	650
140	2100.00	lb	301	376	452	528	603	679	754	830	906	981	1057
			12	88	163	239	315	390	466	541	617	693	768
150	2250.00	lb	365	446	527	608	689	770	851	932	1013	1094	1175
			77	158	239	320	401	482	563	644	725	806	887

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 3.A Estimated costs per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_________
App by Air (3 gal)	appl	7.50	5.7500	43.13	_________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	34.3582	82.80	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Select Max	pt	15.01	1.0000	15.01	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	5.2000	8.32	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
Diamond .83EC	oz	2.25	6.0000	13.50	_________
Imidacloprid 4F	oz	0.48	2.0000	0.96	_________
Bifenthrin	oz	0.48	12.8000	6.14	_________
LambdaT	oz	2.10	1.0000	2.10	_________
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_________
Transform WG	oz	9.34	1.5000	14.01	_________
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	_________
Self-Propelled	hour	18.69	0.2075	3.88	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	_________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_________
Self-Propelled	hour	9.06	0.1899	1.71	_________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_________
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	_________
Self-Propelled	gal	2.86	4.8836	13.97	_________
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_________
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	_________
Tractors	acre	4.89	1.0000	4.89	_________
Self-Propelled	acre	29.85	1.0000	29.85	_________
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_________
INTEREST ON OP. CAP.	acre	32.67	1.0000	32.67	_________

TOTAL DIRECT EXPENSES				995.21	_________
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	_________
Tractors	acre	37.84	1.0000	37.84	_________
Self-Propelled	acre	145.02	1.0000	145.02	_________
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_________

TOTAL FIXED EXPENSES				302.19	_________

TOTAL SPECIFIED EXPENSES				1297.40	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 3.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_________
Cotton Seed	lb	0.11	2025.0000	222.75	_________

TOTAL INCOME				1302.90	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	165.00	1.0000	165.00	_________
FERTILIZERS	acre	123.44	1.0000	123.44	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	111.43	1.0000	111.43	_________
INSECTICIDES	acre	95.61	1.0000	95.61	_________
SEED/PLANTS	acre	147.15	1.0000	147.15	_________
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3135	2.82	_________
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_________
OPERATOR LABOR	hour	18.69	0.6069	11.34	_________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_________
DIESEL FUEL	gal	2.86	22.2512	63.62	_________
REPAIR & MAINTENANCE	acre	67.80	1.0000	67.80	_________
INTEREST ON OP. CAP.	acre	32.67	1.0000	32.67	_________

TOTAL DIRECT EXPENSES				995.21	_________
RETURNS ABOVE DIRECT EXPENSES				307.69	_________
TOTAL FIXED EXPENSES				302.19	_________

TOTAL SPECIFIED EXPENSES				1297.40	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				5.50	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year

Table 3.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours	------------		
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.60	0.39	1.12	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 3.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		806.04	63.62	67.80	25.08	0.00	32.67	995.21	302.19	1297.40

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 3.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	50.39	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	5.73	4.27	0.20	0.15	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	14.29	12.81	9.61	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	21.56	1.99	1.49	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.42	4.46	2.63	0.98	0.45	1.54
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	262.57	134.00	97.75	49.37	33.40	226.62
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-262.57	-134.00	-97.75	-49.37	-33.40	1076.28
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-454.07	-588.07	-685.82	-735.19	-768.59	307.69

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 3.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
B3TXF variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PERCENT										
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-284	-257	-230	-203	-176	-149	-122	-95	-68	-41	-14
			-586	-559	-532	-505	-478	-451	-424	-397	-370	-343	-316
60	900.00	lb	-219	-187	-155	-122	-90	-57	-25	6	39	71	104
			-522	-489	-457	-424	-392	-360	-327	-295	-262	-230	-198
70	1050.00	lb	-155	-117	-79	-42	-4	33	71	109	146	184	222
			-457	-419	-382	-344	-306	-268	-230	-193	-155	-117	-79
80	1200.00	lb	-91	-47	-4	38	81	124	168	211	254	297	340
			-393	-350	-306	-263	-220	-177	-134	-90	-47	-4	38
90	1350.00	lb	-26	21	70	119	167	216	264	313	362	410	459
			-328	-280	-231	-183	-134	-85	-37	11	59	108	157
100	1500.00	lb	37	91	145	199	253	307	361	415	469	523	577
			-264	-210	-156	-102	-48	5	59	113	167	221	275
110	1650.00	lb	102	161	220	280	339	399	458	517	577	636	696
			-200	-140	-81	-21	37	96	156	215	275	334	393
120	1800.00	lb	166	231	296	360	425	490	555	620	684	749	814
			-135	-70	-6	58	123	188	253	317	382	447	512
130	1950.00	lb	230	301	371	441	511	581	652	722	792	862	932
			-71	-1	69	139	209	279	349	420	490	560	630
140	2100.00	lb	295	370	446	522	597	673	748	824	900	975	1051
			-6	68	144	219	295	371	446	522	597	673	749
150	2250.00	lb	359	440	521	602	683	764	845	926	1007	1088	1169
			57	138	219	300	381	462	543	624	705	786	867

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 4.A Estimated costs per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_________
App by Air (3 gal)	appl	7.50	5.2500	39.38	_________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	25.4000	61.21	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Select Max	pt	15.01	1.0000	15.01	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	5.2000	8.32	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
Diamond .83EC	oz	2.25	6.0000	13.50	_________
Imidacloprid 4F	oz	0.48	2.0000	0.96	_________
Bifenthrin	oz	0.48	12.8000	6.14	_________
LambdaT	oz	2.10	1.0000	2.10	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
Transform WG	oz	9.34	1.5000	14.01	_________
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.2712	5.07	_________
Self-Propelled	hour	18.69	0.2075	3.88	_________
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	_________
Self-Propelled	hour	9.06	0.1899	1.71	_________
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	_________
DIESEL FUEL					
Tractors	gal	2.86	4.1890	11.97	_________
Self-Propelled	gal	2.86	4.8836	13.97	_________
REPAIR & MAINTENANCE					
Implements	acre	7.72	1.0000	7.72	_________
Tractors	acre	3.32	1.0000	3.32	_________
Self-Propelled	acre	29.85	1.0000	29.85	_________
INTEREST ON OP. CAP.	acre	28.09	1.0000	28.09	_________
TOTAL DIRECT EXPENSES				853.85	_________
FIXED EXPENSES					
Implements	acre	12.47	1.0000	12.47	_________
Tractors	acre	25.71	1.0000	25.71	_________
Self-Propelled	acre	145.02	1.0000	145.02	_________
TOTAL FIXED EXPENSES				183.20	_________
TOTAL SPECIFIED EXPENSES				1037.05	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 4.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_________
Cotton Seed	lb	0.11	1620.0000	178.20	_________

TOTAL INCOME				1042.32	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	132.00	1.0000	132.00	_________
FERTILIZERS	acre	101.85	1.0000	101.85	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	111.43	1.0000	111.43	_________
INSECTICIDES	acre	88.11	1.0000	88.11	_________
SEED/PLANTS	acre	147.15	1.0000	147.15	_________
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.2897	2.61	_________
OPERATOR LABOR	hour	18.69	0.4788	8.95	_________
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	_________
DIESEL FUEL	gal	2.86	9.0726	25.94	_________
REPAIR & MAINTENANCE	acre	40.89	1.0000	40.89	_________
INTEREST ON OP. CAP.	acre	28.09	1.0000	28.09	_________

TOTAL DIRECT EXPENSES				853.85	_________
RETURNS ABOVE DIRECT EXPENSES				188.47	_________
TOTAL FIXED EXPENSES				183.20	_________

TOTAL SPECIFIED EXPENSES				1037.05	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				5.27	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 4.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
NT Plant-Folding	12R-38	MFWD 300	0.051	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					25.4000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.47	0.27	0.76	0.38

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 4.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
NT Plant-Folding	12R-38		2.28	2.82	2.21		0.30	7.61	10.19	17.80
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	61.21					2.10	63.31		63.31
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		740.20	25.94	40.89	18.73	0.00	28.09	853.85	183.20	1037.05

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 4.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	61.21	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.48	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	4.94	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	4.17	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	1.93	0.00	10.39	4.17	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	36.99	0.00	261.73	125.29	70.77	37.89	33.40	193.40
NET INCOME	-94.38	0.00	0.00	0.00	-36.99	0.00	-261.73	-125.29	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-131.37	-131.37	-393.10	-518.39	-589.16	-627.05	-660.45	188.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 4.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Delta Area, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-285	-263	-241	-220	-198	-177	-155	-133	-112	-90	-69
			-468	-446	-425	-403	-381	-360	-338	-317	-295	-273	-252
60	720.00	lb	-233	-207	-181	-155	-129	-104	-78	-52	-26	-0	25
			-416	-390	-364	-339	-313	-287	-261	-235	-209	-183	-157
70	840.00	lb	-182	-151	-121	-91	-61	-30	-0	29	59	90	120
			-365	-335	-304	-274	-244	-214	-183	-153	-123	-93	-62
80	960.00	lb	-130	-96	-61	-26	7	42	76	111	145	180	215
			-313	-279	-244	-210	-175	-140	-106	-71	-37	-2	31
90	1080.00	lb	-79	-40	-1	37	76	115	154	193	232	270	309
			-262	-223	-184	-145	-106	-67	-28	9	48	87	126
100	1200.00	lb	-27	15	58	102	145	188	231	274	318	361	404
			-210	-167	-124	-81	-37	5	48	91	134	178	221
110	1320.00	lb	23	71	119	166	214	261	309	356	404	451	499
			-159	-111	-64	-16	30	78	125	173	220	268	316
120	1440.00	lb	75	127	179	231	282	334	386	438	490	542	593
			-107	-55	-4	47	99	151	203	255	307	358	410
130	1560.00	lb	126	183	239	295	351	407	464	520	576	632	688
			-56	-0	56	112	168	224	280	336	393	449	505
140	1680.00	lb	178	239	299	359	420	480	541	601	662	722	783
			-4	55	116	176	237	297	358	418	479	539	600
150	1800.00	lb	230	294	359	424	489	554	618	683	748	813	878
			46	111	176	241	306	370	435	500	565	630	694

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 5.A Estimated costs per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_________
App by Air (3 gal)	appl	7.50	5.2500	39.38	_________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	811.0000	89.21	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	32.5498	78.45	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	0.6700	13.40	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Select Max	pt	15.01	1.0000	15.01	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	5.2000	8.32	_________
Centric 40WG	oz	7.29	1.3400	9.77	_________
Diamond .83EC	oz	2.25	6.0000	13.50	_________
Imidacloprid 4F	oz	0.48	2.0000	0.96	_________
Bifenthrin	oz	0.48	12.8000	6.14	_________
LambdaT	oz	2.10	1.0000	2.10	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
Transform WG	oz	9.34	1.5000	14.01	_________
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	30.0000	98.10	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	42.7200	2.14	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.8159	15.25	_________
Self-Propelled	hour	18.69	0.1958	3.66	_________
HAND LABOR					
Implements	hour	9.06	0.3181	2.87	_________
Self-Propelled	hour	9.06	0.1840	1.66	_________
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_________
DIESEL FUEL					
Tractors	gal	2.86	12.6003	36.03	_________
Self-Propelled	gal	2.86	3.4035	9.74	_________
REPAIR & MAINTENANCE					
Implements	acre	14.66	1.0000	14.66	_________
Tractors	acre	10.00	1.0000	10.00	_________
Self-Propelled	acre	10.05	1.0000	10.05	_________
INTEREST ON OP. CAP.	acre	27.78	1.0000	27.78	_________

TOTAL DIRECT EXPENSES				800.76	_________
FIXED EXPENSES					
Implements	acre	28.17	1.0000	28.17	_________
Tractors	acre	77.32	1.0000	77.32	_________
Self-Propelled	acre	49.54	1.0000	49.54	_________

TOTAL FIXED EXPENSES				155.03	_________

TOTAL SPECIFIED EXPENSES				955.79	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 5.B Summary of estimated costs and returns per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	811.0000	584.00	_________
Cotton Seed	lb	0.11	1095.0000	120.45	_________

TOTAL INCOME				704.45	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	89.21	1.0000	89.21	_________
FERTILIZERS	acre	119.08	1.0000	119.08	_________
FUNGICIDES	acre	13.40	1.0000	13.40	_________
HERBICIDES	acre	111.43	1.0000	111.43	_________
INSECTICIDES	acre	83.30	1.0000	83.30	_________
SEED/PLANTS	acre	98.10	1.0000	98.10	_________
GROWTH REGULATORS	acre	2.14	1.0000	2.14	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.5022	4.53	_________
OPERATOR LABOR	hour	18.69	1.0118	18.91	_________
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_________
DIESEL FUEL	gal	2.86	16.0039	45.77	_________
REPAIR & MAINTENANCE	acre	34.71	1.0000	34.71	_________
INTEREST ON OP. CAP.	acre	27.78	1.0000	27.78	_________

TOTAL DIRECT EXPENSES				800.76	_________
RETURNS ABOVE DIRECT EXPENSES				-96.31	_________
TOTAL FIXED EXPENSES				155.03	_________

TOTAL SPECIFIED EXPENSES				955.79	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-251.34	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 5.C Estimated resource use for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours	------------		
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	8R-38 2x1	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	8R-38 2x1	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	8R-38 2x1	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed B3TXF	thous					30.0000				
Cotton Seed Trt.	acre					0.6700				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					1.3400				
Mepiquat Chloride	oz					10.7200				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Ethephon 6E	pt					0.3125				
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R2x1(350)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	811.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.01	0.81	1.51	0.80

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 5.D Estimated costs for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	8R-38 2x1		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	8R-38 2x1		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.29	6.30	6.49	12.79
UAN (32%)	gal	39.22					1.89	41.11		41.11
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	8R-38 2x1		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed B3TXF	thous	98.10					4.05	102.15		102.15
Cotton Seed Trt.	acre	13.40					0.55	13.95		13.95
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.21	6.22	6.49	12.71
UAN (32%)	gal	39.22					1.35	40.57		40.57
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	9.77					0.34	10.11		10.11
Mepiquat Chloride	oz	0.54					0.02	0.56		0.56
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Cotton Picker	4R2x1(350)		8.88	9.61	7.36		0.18	26.03	46.02	72.05
Boll Buggy	4R2x1(350)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	4R2x1(350)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	89.21					0.61	89.82		89.82
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		653.92	45.77	34.71	38.58	0.00	27.78	800.76	155.03	955.79

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 5.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	704.45
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.21
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	39.22	0.00	39.22	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.40	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	14.89	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	98.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	5.37	0.00	0.00	0.00	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	6.22	0.00	0.00	0.00	28.96
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.76	3.82	4.10	0.00	0.00	0.00	21.42
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.18	8.07	3.39	1.90	0.75	0.45	1.13
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	47.41	203.23	101.25	70.77	37.89	33.40	164.94
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-47.41	-203.23	-101.25	-70.77	-37.89	-33.40	539.51
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-189.28	-392.51	-493.76	-564.53	-602.42	-635.82	-96.31

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 5.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., B3TXF variety, Delta, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	405.50	lb	-416	-401	-387	-372	-358	-343	-328	-314	-299	-285	-270
			-571	-556	-542	-527	-513	-498	-483	-469	-454	-440	-425
60	486.60	lb	-381	-364	-346	-329	-311	-293	-276	-258	-241	-223	-206
			-536	-519	-501	-484	-466	-449	-431	-413	-396	-378	-361
70	567.70	lb	-346	-326	-305	-285	-265	-244	-224	-203	-183	-162	-142
			-501	-481	-460	-440	-420	-399	-379	-358	-338	-317	-297
80	648.80	lb	-311	-288	-265	-241	-218	-195	-171	-148	-125	-101	-78
			-466	-443	-420	-396	-373	-350	-326	-303	-280	-256	-233
90	729.90	lb	-277	-250	-224	-198	-172	-145	-119	-93	-66	-40	-14
			-432	-405	-379	-353	-327	-300	-274	-248	-221	-195	-169
100	811.00	lb	-242	-213	-183	-154	-125	-96	-67	-37	-8	20	49
			-397	-368	-338	-309	-280	-251	-222	-192	-163	-134	-105
110	892.10	lb	-207	-175	-143	-111	-79	-46	-14	17	49	81	113
			-362	-330	-298	-266	-234	-201	-169	-137	-105	-73	-41
120	973.20	lb	-172	-137	-102	-67	-32	2	37	72	107	142	177
			-327	-292	-257	-222	-187	-152	-117	-82	-47	-12	22
130	1054.30	lb	-137	-99	-61	-23	13	51	89	127	165	203	241
			-292	-254	-216	-179	-141	-103	-65	-27	10	48	86
140	1135.40	lb	-103	-62	-21	19	60	101	142	183	224	264	305
			-258	-217	-176	-135	-94	-53	-12	28	68	109	150
150	1216.50	lb	-68	-24	19	63	106	150	194	238	282	325	369
			-223	-179	-135	-91	-48	-4	39	83	127	170	214

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 6.A Estimated costs per acre
Cotton, 8R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1000.0000	110.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	28.9332	69.73	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.9288	17.36	_________
Self-Propelled	hour	18.69	0.2721	5.09	_________
HAND LABOR					
Implements	hour	9.06	0.3579	3.24	_________
Self-Propelled	hour	9.06	0.2222	1.99	_________
UNALLOCATED LABOR	hour	18.72	0.9608	17.99	_________
DIESEL FUEL					
Tractors	gal	2.86	14.3433	41.03	_________
Self-Propelled	gal	2.86	4.4209	12.66	_________
REPAIR & MAINTENANCE					
Implements	acre	14.67	1.0000	14.67	_________
Tractors	acre	11.37	1.0000	11.37	_________
Self-Propelled	acre	14.39	1.0000	14.39	_________
INTEREST ON OP. CAP.	acre	27.43	1.0000	27.43	_________
TOTAL DIRECT EXPENSES				778.70	_________
FIXED EXPENSES					
Implements	acre	27.45	1.0000	27.45	_________
Tractors	acre	88.02	1.0000	88.02	_________
Self-Propelled	acre	74.91	1.0000	74.91	_________
TOTAL FIXED EXPENSES				190.38	_________
TOTAL SPECIFIED EXPENSES				969.08	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 6.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_________
Cotton Seed	lb	0.11	1350.0000	148.50	_________

TOTAL INCOME				868.60	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	110.00	1.0000	110.00	_________
FERTILIZERS	acre	110.36	1.0000	110.36	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	96.42	1.0000	96.42	_________
INSECTICIDES	acre	48.20	1.0000	48.20	_________
SEED/PLANTS	acre	147.15	1.0000	147.15	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.5801	5.23	_________
OPERATOR LABOR	hour	18.69	1.2010	22.45	_________
UNALLOCATED LABOR	hour	18.72	0.9608	17.99	_________
DIESEL FUEL	gal	2.86	18.7642	53.69	_________
REPAIR & MAINTENANCE	acre	40.43	1.0000	40.43	_________
INTEREST ON OP. CAP.	acre	27.43	1.0000	27.43	_________

TOTAL DIRECT EXPENSES				778.70	_________
RETURNS ABOVE DIRECT EXPENSES				89.90	_________
TOTAL FIXED EXPENSES				190.38	_________

TOTAL SPECIFIED EXPENSES				969.08	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-100.48	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 6.C Estimated resource use for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	8R-38	MFWD 300	0.080	1.00	Nov		0.08	0.08	0.08	0.06
Bed/Disk (Hipper)Rd	8R-38	MFWD 300	0.074	0.50	Nov		0.03	0.03	0.03	0.02
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32%)	gal					14.4666				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant - Folding	8R-38	MFWD 300	0.074	1.00	May		0.07	0.07	0.14	0.05
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.20	0.92	1.78	0.96

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 6.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		-----DIRECT COST-----								
		-----dollars-----								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	8R-38		3.57	3.06	2.72		0.77	10.12	12.27	22.39
Bed/Disk (Hipper)Rd	8R-38		1.64	0.76	1.24		0.30	3.94	4.54	8.48
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96		0.43	9.30	9.50	18.80
UAN (32%)	gal	34.86					1.68	36.54		36.54
Row Cond Rigid	26'		2.64	1.08	2.01		0.24	5.97	7.52	13.49
Plant - Folding	8R-38		3.29	2.94	3.18		0.39	9.80	11.97	21.77
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96		0.30	9.17	9.50	18.67
UAN (32%)	gal	34.86					1.20	36.06		36.06
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55		0.24	7.17	7.26	14.43
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36		0.20	29.09	59.95	89.04
Boll Buggy	6R-38(355)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	6R-38(355)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	110.00					0.76	110.76		110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		611.48	53.69	40.43	45.67	0.00	27.43	778.70	190.38	969.08

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 6.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	868.60
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.96	0.00	0.00	0.00	0.45	2.96	6.09	5.96	0.90	0.45	0.68	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.21	0.00	0.00	0.00	0.43	3.43	6.79	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	3.82	0.00	0.00	0.00	0.22	2.48	4.46	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	8.25	0.00	0.00	0.00	0.72	2.11	10.55	3.44	0.63	0.12	0.31	1.30
TOTAL DIRECT EXPENSES	108.44	0.00	0.00	0.00	13.82	45.84	265.64	103.22	23.69	6.28	22.83	188.94
NET INCOME	-108.44	0.00	0.00	0.00	-13.82	-45.84	-265.64	-103.22	-23.69	-6.28	-22.83	679.66
NET INCOME TO DATE	-108.44	-108.44	-108.44	-108.44	-122.26	-168.10	-433.74	-536.96	-560.65	-566.93	-589.76	89.90

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 6.F Estimated returns for various price/yield combinations, per acre
Cotton, 8R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	500.00	lb	-304	-286	-268	-250	-232	-214	-196	-178	-160	-142	-124
			-495	-477	-459	-441	-423	-405	-387	-369	-351	-333	-315
60	600.00	lb	-261	-240	-218	-197	-175	-153	-132	-110	-89	-67	-45
			-452	-430	-409	-387	-365	-344	-322	-301	-279	-257	-236
70	700.00	lb	-218	-193	-168	-143	-118	-92	-67	-42	-17	7	33
			-409	-384	-358	-333	-308	-283	-258	-232	-207	-182	-157
80	800.00	lb	-175	-147	-118	-89	-60	-31	-3	25	54	83	112
			-366	-337	-308	-279	-251	-222	-193	-164	-135	-107	-78
90	900.00	lb	-133	-100	-68	-35	-3	28	61	93	126	158	190
			-323	-291	-258	-226	-193	-161	-129	-96	-64	-31	0
100	1000.00	lb	-90	-54	-18	17	53	89	125	161	197	233	269
			-280	-244	-208	-172	-136	-100	-64	-28	7	43	79
110	1100.00	lb	-47	-7	32	71	111	150	190	230	269	309	348
			-237	-197	-158	-118	-79	-39	0	39	79	118	158
120	1200.00	lb	-4	38	82	125	168	211	254	298	341	384	427
			-194	-151	-108	-65	-21	21	64	107	151	194	237
130	1300.00	lb	38	85	132	179	225	272	319	366	413	459	506
			-151	-104	-58	-11	35	82	129	175	222	269	316
140	1400.00	lb	81	132	182	232	283	333	384	434	484	535	585
			-108	-58	-7	42	92	143	193	244	294	344	395
150	1500.00	lb	124	178	232	286	340	394	448	502	556	610	664
			-65	-11	42	96	150	204	258	312	366	420	474

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 7.A Estimated costs per acre
Cotton, 8R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	900.0000	99.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	18.4000	44.34	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.7365	13.77	_________
Self-Propelled	hour	18.69	0.2721	5.09	_________
HAND LABOR					
Implements	hour	9.06	0.3222	2.91	_________
Self-Propelled	hour	9.06	0.2222	1.99	_________
UNALLOCATED LABOR	hour	18.73	0.8069	15.12	_________
DIESEL FUEL					
Tractors	gal	2.86	11.3731	32.53	_________
Self-Propelled	gal	2.86	4.4209	12.66	_________
REPAIR & MAINTENANCE					
Implements	acre	11.09	1.0000	11.09	_________
Tractors	acre	9.02	1.0000	9.02	_________
Self-Propelled	acre	14.39	1.0000	14.39	_________
INTEREST ON OP. CAP.	acre	24.51	1.0000	24.51	_________

TOTAL DIRECT EXPENSES				718.18	_________
FIXED EXPENSES					
Implements	acre	20.44	1.0000	20.44	_________
Tractors	acre	69.80	1.0000	69.80	_________
Self-Propelled	acre	74.91	1.0000	74.91	_________

TOTAL FIXED EXPENSES				165.15	_________

TOTAL SPECIFIED EXPENSES				883.33	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 7.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	_________
Cotton Seed	lb	0.11	1215.0000	133.65	_________

TOTAL INCOME				781.74	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	99.00	1.0000	99.00	_________
FERTILIZERS	acre	84.98	1.0000	84.98	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	96.42	1.0000	96.42	_________
INSECTICIDES	acre	48.20	1.0000	48.20	_________
SEED/PLANTS	acre	147.15	1.0000	147.15	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.5444	4.90	_________
OPERATOR LABOR	hour	18.69	1.0087	18.86	_________
UNALLOCATED LABOR	hour	18.73	0.8069	15.12	_________
DIESEL FUEL	gal	2.86	15.7941	45.19	_________
REPAIR & MAINTENANCE	acre	34.50	1.0000	34.50	_________
INTEREST ON OP. CAP.	acre	24.51	1.0000	24.51	_________

TOTAL DIRECT EXPENSES				718.18	_________
RETURNS ABOVE DIRECT EXPENSES				63.56	_________
TOTAL FIXED EXPENSES				165.15	_________

TOTAL SPECIFIED EXPENSES				883.33	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-101.59	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 7.C Estimated resource use for field operations, per acre
Cotton, 8R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							------------- hours			------------
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
NT Plant-Folding	8R-38	MFWD 300	0.077	1.00	May		0.07	0.07	0.15	0.06
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					18.4000				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.00	0.73	1.55	0.80

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 7.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Rigid	26'		2.64	1.08	2.01		0.24	5.97	7.52	13.49
NT Plant-Folding	8R-38		3.43	3.31	3.31		0.41	10.46	13.05	23.51
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96		0.30	9.17	9.50	18.67
UAN (32%)	gal	44.34					1.52	45.86		45.86
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55		0.24	7.17	7.26	14.43
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36		0.20	29.09	59.95	89.04
Boll Buggy	6R-38(355)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	6R-38(355)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	99.00					0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		575.10	45.19	34.50	38.88	0.00	24.51	718.18	165.15	883.33

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 7.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	781.74
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.45	0.00	6.22	5.96	0.90	0.45	0.68	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.43	0.00	6.93	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.83	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	10.57	3.76	0.63	0.12	0.31	1.22
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	266.30	113.02	23.69	6.28	22.83	177.86
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-266.30	-113.02	-23.69	-6.28	-22.83	603.88
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-374.50	-487.52	-511.21	-517.49	-540.32	63.56

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 7.F Estimated returns for various price/yield combinations, per acre
Cotton, 8R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-291	-275	-259	-243	-226	-210	-194	-178	-162	-145	-129
			-456	-440	-424	-408	-391	-375	-359	-343	-327	-310	-294
60	540.00	lb	-253	-233	-214	-194	-175	-155	-136	-116	-97	-78	-58
			-418	-398	-379	-359	-340	-320	-301	-282	-262	-243	-223
70	630.00	lb	-214	-191	-169	-146	-123	-100	-78	-55	-32	-10	12
			-379	-356	-334	-311	-288	-266	-243	-220	-198	-175	-152
80	720.00	lb	-175	-149	-123	-97	-72	-46	-20	5	31	57	83
			-340	-314	-289	-263	-237	-211	-185	-159	-133	-107	-81
90	810.00	lb	-137	-107	-78	-49	-20	8	37	67	96	125	154
			-302	-273	-243	-214	-185	-156	-127	-98	-68	-39	-10
100	900.00	lb	-98	-66	-33	-1	31	63	95	128	160	193	225
			-263	-231	-198	-166	-133	-101	-69	-36	-4	28	60
110	990.00	lb	-59	-24	11	47	82	118	154	189	225	260	296
			-224	-189	-153	-118	-82	-46	-11	24	60	95	131
120	1080.00	lb	-21	17	56	95	134	173	212	251	289	328	367
			-186	-147	-108	-69	-30	8	46	85	124	163	202
130	1170.00	lb	17	59	101	143	185	228	270	312	354	396	438
			-147	-105	-63	-21	20	62	105	147	189	231	273
140	1260.00	lb	56	101	146	192	237	282	328	373	419	464	509
			-109	-63	-18	27	72	117	163	208	253	299	344
150	1350.00	lb	94	143	191	240	289	337	386	434	483	532	580
			-70	-21	26	75	124	172	221	269	318	367	415

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 8.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1000.0000	110.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	28.9332	69.73	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4268	7.98	_________
Self-Propelled	hour	18.69	0.2721	5.09	_________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_________
Self-Propelled	hour	9.06	0.2222	1.99	_________
UNALLOCATED LABOR	hour	18.74	0.5592	10.48	_________
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	_________
Self-Propelled	gal	2.86	5.7068	16.33	_________
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	_________
Tractors	acre	5.23	1.0000	5.23	_________
Self-Propelled	acre	31.06	1.0000	31.06	_________
INTEREST ON OP. CAP.	acre	26.56	1.0000	26.56	_________
TOTAL DIRECT EXPENSES				747.27	_________
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	_________
Tractors	acre	40.44	1.0000	40.44	_________
Self-Propelled	acre	154.70	1.0000	154.70	_________
TOTAL FIXED EXPENSES				214.98	_________
TOTAL SPECIFIED EXPENSES				962.25	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 8.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_________
Cotton Seed	lb	0.11	1350.0000	148.50	_________

TOTAL INCOME				868.60	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	110.00	1.0000	110.00	_________
FERTILIZERS	acre	110.36	1.0000	110.36	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	96.42	1.0000	96.42	_________
INSECTICIDES	acre	48.20	1.0000	48.20	_________
SEED/PLANTS	acre	147.15	1.0000	147.15	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3458	3.10	_________
OPERATOR LABOR	hour	18.69	0.6990	13.07	_________
UNALLOCATED LABOR	hour	18.74	0.5592	10.48	_________
DIESEL FUEL	gal	2.86	12.2980	35.17	_________
REPAIR & MAINTENANCE	acre	47.41	1.0000	47.41	_________
INTEREST ON OP. CAP.	acre	26.56	1.0000	26.56	_________

TOTAL DIRECT EXPENSES				747.27	_________
RETURNS ABOVE DIRECT EXPENSES				121.33	_________
TOTAL FIXED EXPENSES				214.98	_________

TOTAL SPECIFIED EXPENSES				962.25	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-93.65	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 8.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							hours			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							0.69	0.42	1.04	0.55

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 8.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	34.86					1.68	36.54		36.54
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	34.86					1.20	36.06		36.06
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	110.00					0.76	110.76		110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		611.48	35.17	47.41	26.65	0.00	26.56	747.27	214.98	962.25

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 8.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	--------	--------	--------	--------	--------	--------dollars	--------	--------	--------	--------	--------	--------
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	868.60
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.45	1.97	4.39	4.12	0.90	0.45	0.68	11.06
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.43	2.28	4.85	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.37	3.27	0.63	0.12	0.31	1.19
	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	261.18	98.04	23.69	6.28	22.83	173.77
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-261.18	-98.04	-23.69	-6.28	-22.83	694.83
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-422.66	-520.70	-544.39	-550.67	-573.50	121.33

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 8.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, Non-Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	500.00	lb	-273	-255	-237	-219	-201	-183	-165	-147	-129	-111	-93
			-488	-470	-452	-434	-416	-398	-380	-362	-344	-326	-308
60	600.00	lb	-230	-208	-187	-165	-144	-122	-100	-79	-57	-35	-14
			-445	-423	-402	-380	-358	-337	-315	-294	-272	-250	-229
70	700.00	lb	-187	-162	-137	-111	-86	-61	-36	-11	14	39	64
			-402	-377	-352	-326	-301	-276	-251	-226	-200	-175	-150
80	800.00	lb	-144	-115	-86	-58	-29	-0	28	57	85	114	143
			-359	-330	-301	-273	-244	-215	-186	-157	-129	-100	-71
90	900.00	lb	-101	-69	-36	-4	27	60	92	125	157	190	222
			-316	-284	-251	-219	-186	-154	-122	-89	-57	-24	7
100	1000.00	lb	-58	-22	13	49	85	121	157	193	229	265	301
			-273	-237	-201	-165	-129	-93	-57	-21	14	50	86
110	1100.00	lb	-15	23	63	103	142	182	221	261	301	340	380
			-230	-191	-151	-111	-72	-32	6	46	86	125	165
120	1200.00	lb	27	70	113	156	199	243	286	329	372	416	459
			-187	-144	-101	-58	-14	28	71	114	157	201	244
130	1300.00	lb	70	116	163	210	257	304	350	397	444	491	538
			-144	-98	-51	-4	42	89	135	182	229	276	323
140	1400.00	lb	113	163	213	264	314	365	415	465	516	566	617
			-101	-51	-1	49	99	150	200	250	301	351	402
150	1500.00	lb	155	209	263	317	371	426	480	534	588	642	696
			-59	-5	48	103	157	211	265	319	373	427	481

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 9.A Estimated costs per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	________
Ethephon 6E	pt	4.76	2.3125	11.01	________
Tribufos 6lb	pt	14.70	0.5000	7.35	________
GINNING					
Gin & Haul	lb	0.11	900.0000	99.00	________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	________
UAN (32%)	gal	2.41	18.4000	44.34	________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	________
Cotoran	pt	7.34	2.0000	14.68	________
Engenia	oz	1.06	25.6000	27.14	________
Dual Magnum	pt	10.11	2.0000	20.22	________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	________
Bidrin 8EC	oz	1.60	3.2000	5.12	________
Centric 40WG	oz	7.29	2.0000	14.58	________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	________
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.2987	5.59	________
Self-Propelled	hour	18.69	0.2721	5.09	________
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	________
Self-Propelled	hour	9.06	0.2222	1.99	________
UNALLOCATED LABOR	hour	18.76	0.4567	8.57	________
DIESEL FUEL					
Tractors	gal	2.86	4.6137	13.19	________
Self-Propelled	gal	2.86	5.7068	16.33	________
REPAIR & MAINTENANCE					
Implements	acre	7.73	1.0000	7.73	________
Tractors	acre	3.66	1.0000	3.66	________
Self-Propelled	acre	31.06	1.0000	31.06	________
INTEREST ON OP. CAP.	acre	24.05	1.0000	24.05	________
TOTAL DIRECT EXPENSES				693.26	________
FIXED EXPENSES					
Implements	acre	12.48	1.0000	12.48	________
Tractors	acre	28.31	1.0000	28.31	________
Self-Propelled	acre	154.70	1.0000	154.70	________
TOTAL FIXED EXPENSES				195.49	________
TOTAL SPECIFIED EXPENSES				888.75	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 9.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	_________
Cotton Seed	lb	0.11	1215.0000	133.65	_________

TOTAL INCOME				781.74	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	99.00	1.0000	99.00	_________
FERTILIZERS	acre	84.98	1.0000	84.98	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	96.42	1.0000	96.42	_________
INSECTICIDES	acre	48.20	1.0000	48.20	_________
SEED/PLANTS	acre	147.15	1.0000	147.15	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3220	2.89	_________
OPERATOR LABOR	hour	18.69	0.5709	10.68	_________
UNALLOCATED LABOR	hour	18.76	0.4567	8.57	_________
DIESEL FUEL	gal	2.86	10.3205	29.52	_________
REPAIR & MAINTENANCE	acre	42.45	1.0000	42.45	_________
INTEREST ON OP. CAP.	acre	24.05	1.0000	24.05	_________

TOTAL DIRECT EXPENSES				693.26	_________
RETURNS ABOVE DIRECT EXPENSES				88.48	_________
TOTAL FIXED EXPENSES				195.49	_________

TOTAL SPECIFIED EXPENSES				888.75	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-107.01	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 9.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							------------hours	------------		
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
NT Plant-Folding	12R-38	MFWD 300	0.051	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					18.4000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							0.57	0.29	0.89	0.45

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 9.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
NT Plant-Folding	12R-38		2.28	2.82	2.21		0.30	7.61	10.19	17.80
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	44.34					1.52	45.86		45.86
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	99.00					0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		575.10	29.52	42.45	22.14	0.00	24.05	693.26	195.49	888.75

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 9.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	781.74
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.45	0.00	4.48	4.12	0.90	0.45	0.68	11.06
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.43	0.00	4.94	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.17	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	10.39	3.59	0.63	0.12	0.31	1.11
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	261.73	107.84	23.69	6.28	22.83	162.69
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-261.73	-107.84	-23.69	-6.28	-22.83	619.05
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-369.93	-477.77	-501.46	-507.74	-530.57	88.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 9.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, no-till
B3TXF variety, Non-Delta Area, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PERCENT										
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-266	-250	-234	-218	-201	-185	-169	-153	-137	-120	-104
			-462	-446	-429	-413	-397	-381	-365	-348	-332	-316	-300
60	540.00	lb	-228	-208	-189	-169	-150	-130	-111	-91	-72	-53	-33
			-423	-404	-384	-365	-345	-326	-306	-287	-268	-248	-229
70	630.00	lb	-189	-166	-144	-121	-98	-76	-53	-30	-7	14	37
			-384	-362	-339	-316	-294	-271	-248	-226	-203	-180	-158
80	720.00	lb	-150	-124	-98	-73	-47	-21	4	30	56	82	108
			-346	-320	-294	-268	-242	-216	-190	-164	-138	-112	-87
90	810.00	lb	-112	-83	-53	-24	4	33	62	91	121	150	179
			-307	-278	-249	-220	-191	-161	-132	-103	-74	-45	-16
100	900.00	lb	-73	-41	-8	23	56	88	120	153	185	218	250
			-269	-236	-204	-171	-139	-107	-74	-42	-9	22	55
110	990.00	lb	-34	0	36	72	107	143	178	214	250	285	321
			-230	-194	-159	-123	-87	-52	-16	19	54	90	126
120	1080.00	lb	3	42	81	120	159	198	237	275	314	353	392
			-191	-152	-113	-75	-36	2	41	80	119	158	197
130	1170.00	lb	42	84	126	168	210	253	295	337	379	421	463
			-153	-110	-68	-26	15	57	99	141	183	226	268
140	1260.00	lb	81	126	171	217	262	307	353	398	443	489	534
			-114	-69	-23	21	66	112	157	203	248	293	339
150	1350.00	lb	119	168	216	265	314	362	411	459	508	557	605
			-75	-27	21	69	118	167	215	264	313	361	410

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 10.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi,2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	________
Ethephon 6E	pt	4.76	2.3125	11.01	________
Tribufos 6lb	pt	14.70	0.5000	7.35	________
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	________
UAN (32%)	gal	2.41	28.9332	69.73	________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	________
Cotoran	pt	7.34	2.0000	14.68	________
Engenia	oz	1.06	25.6000	27.14	________
Dual Magnum	pt	10.11	2.0000	20.22	________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	________
Bidrin 8EC	oz	1.60	3.2000	5.12	________
Centric 40WG	oz	7.29	2.0000	14.58	________
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	________
SEED/PLANTS					
Cotton Seed B3TXF	thous	3.27	45.0000	147.15	________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.4268	7.98	________
Self-Propelled	hour	18.69	0.2780	5.20	________
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	________
Self-Propelled	hour	9.06	0.2251	2.02	________
UNALLOCATED LABOR	hour	18.72	0.5639	10.56	________
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	________
Self-Propelled	gal	2.86	5.7817	16.54	________
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	________
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	________
Tractors	acre	5.23	1.0000	5.23	________
Self-Propelled	acre	31.17	1.0000	31.17	________
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	________
INTEREST ON OP. CAP.	acre	28.61	1.0000	28.61	________
TOTAL DIRECT EXPENSES				835.18	________
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	________
Tractors	acre	40.44	1.0000	40.44	________
Self-Propelled	acre	155.58	1.0000	155.58	________
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	________
TOTAL FIXED EXPENSES				315.36	________
TOTAL SPECIFIED EXPENSES				1150.54	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 10.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_________
Cotton Seed	lb	0.11	1620.0000	178.20	_________

TOTAL INCOME				1042.32	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	132.00	1.0000	132.00	_________
FERTILIZERS	acre	110.36	1.0000	110.36	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	96.42	1.0000	96.42	_________
INSECTICIDES	acre	55.70	1.0000	55.70	_________
SEED/PLANTS	acre	147.15	1.0000	147.15	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3487	3.13	_________
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_________
OPERATOR LABOR	hour	18.69	0.7049	13.18	_________
UNALLOCATED LABOR	hour	18.72	0.5639	10.56	_________
DIESEL FUEL	gal	2.86	23.5740	67.41	_________
REPAIR & MAINTENANCE	acre	69.47	1.0000	69.47	_________
INTEREST ON OP. CAP.	acre	28.61	1.0000	28.61	_________

TOTAL DIRECT EXPENSES				835.18	_________
RETURNS ABOVE DIRECT EXPENSES				207.14	_________
TOTAL FIXED EXPENSES				315.36	_________

TOTAL SPECIFIED EXPENSES				1150.54	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-108.22	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 10.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed B3TXF	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.50	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.02	0.01
IncidentalPestTrt$15	acre					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.70	0.42	1.25	0.56

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 10.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	34.86					1.68	36.54		36.54
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed B3TXF	thous	147.15					6.07	153.22		153.22
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	34.86					1.20	36.06		36.06
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.64	0.33	0.67		0.05	1.69	2.64	4.33
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		640.98	67.41	69.47	28.71	0.00	28.61	835.18	315.36	1150.54

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 10.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	27.56	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	147.15	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.45	1.97	5.73	4.27	1.32	0.60	0.68	11.06
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.43	2.28	4.85	14.29	13.88	10.04	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	21.56	2.54	1.71	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.42	4.24	1.28	0.35	0.31	1.34
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	262.57	127.24	47.38	17.76	22.83	195.92
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-262.57	-127.24	-47.38	-17.76	-22.83	846.40
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-424.05	-551.29	-598.67	-616.43	-639.26	207.14

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 10.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
B3TXF variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-266	-244	-223	-201	-180	-158	-136	-115	-93	-72	-50
			-581	-560	-538	-517	-495	-473	-452	-430	-409	-387	-365
60	720.00	lb	-214	-189	-163	-137	-111	-85	-59	-33	-7	18	44
			-530	-504	-478	-452	-426	-400	-374	-348	-322	-297	-271
70	840.00	lb	-163	-133	-102	-72	-42	-12	18	48	78	108	138
			-478	-448	-418	-388	-357	-327	-297	-267	-236	-206	-176
80	960.00	lb	-111	-77	-42	-8	26	60	95	130	164	199	233
			-427	-392	-358	-323	-289	-254	-219	-185	-150	-116	-81
90	1080.00	lb	-60	-21	17	56	95	134	172	211	250	289	328
			-375	-336	-297	-259	-220	-181	-142	-103	-64	-25	13
100	1200.00	lb	-8	34	77	120	163	207	250	293	336	379	423
			-324	-281	-237	-194	-151	-108	-65	-21	21	64	107
110	1320.00	lb	42	90	137	185	232	280	327	375	422	470	517
			-272	-225	-177	-130	-82	-35	12	59	107	155	202
120	1440.00	lb	94	145	197	249	301	353	405	457	508	560	612
			-221	-169	-117	-65	-13	38	89	141	193	245	297
130	1560.00	lb	145	201	258	314	370	426	482	538	595	651	707
			-169	-113	-57	-1	54	111	167	223	279	335	391
140	1680.00	lb	197	257	318	378	439	499	560	620	681	741	802
			-118	-57	2	63	123	184	244	305	365	426	486
150	1800.00	lb	248	313	378	443	507	572	637	702	767	831	896
			-66	-1	62	127	192	257	322	387	451	516	581

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 11.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_________
App by Air (3 gal)	appl	7.50	5.2500	39.38	_________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	34.3582	82.80	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_________
Select Max	pt	15.01	1.0000	15.01	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Enlist Duo	pt	6.89	7.0000	48.23	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	5.2000	8.32	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
Diamond .83EC	oz	2.25	6.0000	13.50	_________
Imidacloprid 4F	oz	0.48	2.0000	0.96	_________
Bifenthrin	oz	0.48	12.8000	6.14	_________
LambdaT	oz	2.10	1.0000	2.10	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
Transform WG	oz	9.34	1.5000	14.01	_________
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	_________
Self-Propelled	hour	18.69	0.2075	3.88	_________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_________
Self-Propelled	hour	9.06	0.1899	1.71	_________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_________
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	_________
Self-Propelled	gal	2.86	4.8836	13.97	_________
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	_________
Tractors	acre	4.89	1.0000	4.89	_________
Self-Propelled	acre	29.85	1.0000	29.85	_________
INTEREST ON OP. CAP.	acre	30.80	1.0000	30.80	_________

TOTAL DIRECT EXPENSES				902.64	_________
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	_________
Tractors	acre	37.84	1.0000	37.84	_________
Self-Propelled	acre	145.02	1.0000	145.02	_________

TOTAL FIXED EXPENSES				202.69	_________

TOTAL SPECIFIED EXPENSES				1105.33	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 11.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_________
Cotton Seed	lb	0.11	1620.0000	178.20	_________

TOTAL INCOME				1042.32	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	132.00	1.0000	132.00	_________
FERTILIZERS	acre	123.44	1.0000	123.44	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	124.85	1.0000	124.85	_________
INSECTICIDES	acre	88.11	1.0000	88.11	_________
SEED/PLANTS	acre	143.10	1.0000	143.10	_________
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3135	2.82	_________
OPERATOR LABOR	hour	18.69	0.6069	11.34	_________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_________
DIESEL FUEL	gal	2.86	11.0501	31.59	_________
REPAIR & MAINTENANCE	acre	45.85	1.0000	45.85	_________
INTEREST ON OP. CAP.	acre	30.80	1.0000	30.80	_________

TOTAL DIRECT EXPENSES				902.64	_________
RETURNS ABOVE DIRECT EXPENSES				139.68	_________
TOTAL FIXED EXPENSES				202.69	_________

TOTAL SPECIFIED EXPENSES				1105.33	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-63.01	_________

Note: Cost of production estimates are based on 2024 input prices. .
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 11.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.60	0.39	0.92	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 11.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		771.16	31.59	45.85	23.24	0.00	30.80	902.64	202.69	1105.33

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 11.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.47	3.72	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	263.94	111.74	70.77	37.89	33.40	193.40
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-263.94	-111.74	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-455.44	-567.18	-637.95	-675.84	-709.24	139.68

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 11.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-333	-312	-290	-269	-247	-225	-204	-182	-161	-139	-117
			-536	-515	-493	-471	-450	-428	-407	-385	-363	-342	-320
60	720.00	lb	-282	-256	-230	-204	-178	-152	-126	-100	-75	-49	-23
			-485	-459	-433	-407	-381	-355	-329	-303	-277	-251	-225
70	840.00	lb	-230	-200	-170	-140	-109	-79	-49	-19	11	41	71
			-433	-403	-373	-342	-312	-282	-252	-221	-191	-161	-131
80	960.00	lb	-179	-144	-110	-75	-41	-6	28	62	97	131	166
			-382	-347	-312	-278	-243	-209	-174	-140	-105	-70	-36
90	1080.00	lb	-127	-88	-50	-11	27	66	105	144	183	222	260
			-330	-291	-252	-213	-175	-136	-97	-58	-19	19	58
100	1200.00	lb	-76	-33	10	53	96	139	182	226	269	312	355
			-279	-235	-192	-149	-106	-63	-19	23	66	109	153
110	1320.00	lb	-24	22	70	117	165	212	260	307	355	402	450
			-227	-179	-132	-84	-37	10	57	105	152	200	247
120	1440.00	lb	26	78	130	182	234	285	337	389	441	493	545
			-176	-124	-72	-20	31	83	135	186	238	290	342
130	1560.00	lb	78	134	190	246	302	359	415	471	527	583	639
			-124	-68	-12	44	100	156	212	268	324	381	437
140	1680.00	lb	129	190	250	311	371	432	492	553	613	674	734
			-72	-12	48	108	168	229	289	350	410	471	531
150	1800.00	lb	181	246	310	375	440	505	570	634	699	764	829
			-21	43	108	172	237	302	367	432	497	561	626

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 12.A Estimated costs per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_________
App by Air (3 gal)	appl	7.50	5.7500	43.13	_________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	34.3582	82.80	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_________
Select Max	pt	15.01	1.0000	15.01	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Enlist Duo	pt	6.89	7.0000	48.23	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	5.2000	8.32	_________
Diamond .83EC	oz	2.25	6.0000	13.50	_________
Imidacloprid 4F	oz	0.48	2.0000	0.96	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
Bifenthrin	oz	0.48	12.8000	6.14	_________
LambdaT	oz	2.10	1.0000	2.10	_________
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_________
Transform WG	oz	9.34	1.5000	14.01	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	51.0000	2.55	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5025	9.39	_________
Self-Propelled	hour	18.69	0.2075	3.88	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3000	2.73	_________
Implements	hour	9.06	0.0625	0.57	_________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_________
Self-Propelled	hour	9.06	0.1899	1.71	_________
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_________
DIESEL FUEL					
Tractors	gal	2.86	7.2737	20.78	_________
Self-Propelled	gal	2.86	4.8836	13.97	_________
Roll-Out Pipe Irr.	gal	2.86	8.5535	24.45	_________
REPAIR & MAINTENANCE					
Implements	acre	12.07	1.0000	12.07	_________
Tractors	acre	5.78	1.0000	5.78	_________
Self-Propelled	acre	29.85	1.0000	29.85	_________
Roll-Out Pipe Irr.	acre	7.16	1.0000	7.16	_________
INTEREST ON OP. CAP.	acre	32.53	1.0000	32.53	_________

TOTAL DIRECT EXPENSES				998.91	_________
FIXED EXPENSES					
Implements	acre	24.17	1.0000	24.17	_________
Tractors	acre	44.81	1.0000	44.81	_________
Self-Propelled	acre	145.02	1.0000	145.02	_________
Roll-Out Pipe Irr.	acre	74.47	1.0000	74.47	_________

TOTAL FIXED EXPENSES				288.47	_________

TOTAL SPECIFIED EXPENSES				1287.38	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 12.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_________
Cotton Seed	lb	0.11	2025.0000	222.75	_________

TOTAL INCOME				1302.90	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	165.00	1.0000	165.00	_________
FERTILIZERS	acre	123.44	1.0000	123.44	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	124.85	1.0000	124.85	_________
INSECTICIDES	acre	95.61	1.0000	95.61	_________
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_________
SEED/PLANTS	acre	143.10	1.0000	143.10	_________
GROWTH REGULATORS	acre	2.55	1.0000	2.55	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3135	2.82	_________
IRRIGATE LABOR	hour	9.06	0.3625	3.30	_________
OPERATOR LABOR	hour	18.69	0.7101	13.27	_________
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_________
DIESEL FUEL	gal	2.86	20.7109	59.20	_________
REPAIR & MAINTENANCE	acre	54.86	1.0000	54.86	_________
INTEREST ON OP. CAP.	acre	32.53	1.0000	32.53	_________

TOTAL DIRECT EXPENSES				998.91	_________
RETURNS ABOVE DIRECT EXPENSES				303.99	_________
TOTAL FIXED EXPENSES				288.47	_________

TOTAL SPECIFIED EXPENSES				1287.38	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				15.52	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 12.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	1.00	Nov		0.04	0.04	0.04	0.03
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					19.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
Roll-Out Pipe Irr.	acre				Jan	1.0000	0.07	0.07	0.44	
TOTALS							0.71	0.50	1.38	0.50

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 12.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		2.18	2.01	1.66		0.48	6.33	9.32	15.65
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.13	4.97	5.14	10.11
Enlist Duo	pt	24.12					0.66	24.78		24.78
Dual Magnum	pt	10.11					0.28	10.39		10.39
Centric 40WG	oz	14.58					0.40	14.98		14.98
Mepiquat Chloride	oz	0.95					0.03	0.98		0.98
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
Roll-Out Pipe Irr.	acre	7.92	26.52	8.00	4.77		1.34	48.55	81.12	129.67
TOTALS		823.48	59.20	54.86	28.84	0.00	32.53	998.91	288.47	1287.38

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 12.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	------	------	------	------	------	dollars	------	------	------	------	------	------
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	64.27	0.00	34.23	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	5.12	64.97	22.14	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.46	0.00	0.00	0.00	0.00	1.97	4.62	5.10	1.93	0.23	0.69	10.84
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.55	0.00	0.00	0.00	0.00	2.28	4.85	11.40	10.12	8.15	0.47	17.38
REPAIR & MAINTENANCE	4.62	0.00	0.00	0.00	0.00	1.70	3.82	6.50	2.57	1.40	0.20	34.05
INTEREST ON OP. CAP.	8.22	0.00	0.00	0.00	1.93	2.28	10.48	2.66	3.98	0.95	0.47	1.56
TOTAL DIRECT EXPENSES	108.05	0.00	0.00	0.00	36.99	49.63	264.18	80.10	148.48	47.87	34.78	228.83
NET INCOME	-108.05	0.00	0.00	0.00	-36.99	-49.63	-264.18	-80.10	-148.48	-47.87	-34.78	1074.07
NET INCOME TO DATE	-108.05	-108.05	-108.05	-108.05	-145.04	-194.67	-458.85	-538.95	-687.43	-735.30	-770.08	303.99

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 12.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
W3FE variety, 10.5 ac-in., Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-288	-261	-234	-207	-180	-153	-126	-99	-72	-45	-18
			-576	-549	-522	-495	-468	-441	-414	-387	-360	-333	-306
60	900.00	lb	-223	-191	-158	-126	-94	-61	-29	3	35	68	100
			-512	-479	-447	-414	-382	-350	-317	-285	-252	-220	-188
70	1050.00	lb	-159	-121	-83	-45	-8	29	67	105	143	181	218
			-447	-409	-372	-334	-296	-258	-220	-183	-145	-107	-69
80	1200.00	lb	-94	-51	-8	34	77	121	164	207	250	294	337
			-383	-340	-296	-253	-210	-167	-124	-80	-37	5	48
90	1350.00	lb	-30	18	66	115	163	212	261	309	358	407	455
			-318	-270	-221	-173	-124	-75	-27	21	69	118	167
100	1500.00	lb	33	87	141	195	249	303	357	412	466	520	574
			-254	-200	-146	-92	-38	15	69	123	177	231	285
110	1650.00	lb	98	157	217	276	335	395	454	514	573	633	692
			-190	-130	-71	-11	47	106	166	225	285	344	403
120	1800.00	lb	162	227	292	357	421	486	551	616	681	746	810
			-125	-60	3	68	133	198	263	327	392	457	522
130	1950.00	lb	227	297	367	437	507	578	648	718	788	859	929
			-61	8	79	149	219	289	359	430	500	570	640
140	2100.00	lb	291	367	442	518	593	669	745	820	896	972	1047
			3	78	154	229	305	381	456	532	607	683	759
150	2250.00	lb	355	436	517	598	679	761	842	923	1004	1085	1166
			67	148	229	310	391	472	553	634	715	796	877

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 13.A Estimated costs per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	________
App by Air (3 gal)	appl	7.50	5.7500	43.13	________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	________
Ethephon 6E	pt	4.76	2.3125	11.01	________
Tribufos 6lb	pt	14.70	0.5000	7.35	________
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	________
UAN (32%)	gal	2.41	34.3582	82.80	________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	________
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	________
Select Max	pt	15.01	1.0000	15.01	________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	________
Cotoran	pt	7.34	2.0000	14.68	________
Enlist Duo	pt	6.89	7.0000	48.23	________
Dual Magnum	pt	10.11	2.0000	20.22	________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	________
Bidrin 8EC	oz	1.60	5.2000	8.32	________
Centric 40WG	oz	7.29	2.0000	14.58	________
Diamond .83EC	oz	2.25	6.0000	13.50	________
Imidacloprid 4F	oz	0.48	2.0000	0.96	________
Bifenthrin	oz	0.48	12.8000	6.14	________
LambdaT	oz	2.10	1.0000	2.10	________
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	________
Transform WG	oz	9.34	1.5000	14.01	________
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	________
Self-Propelled	hour	18.69	0.2075	3.88	________
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	________
Self-Propelled	hour	9.06	0.1899	1.71	________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	________
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	________
Self-Propelled	gal	2.86	4.8836	13.97	________
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	________
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	________
Tractors	acre	4.89	1.0000	4.89	________
Self-Propelled	acre	29.85	1.0000	29.85	________
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	________
INTEREST ON OP. CAP.	acre	33.00	1.0000	33.00	________
TOTAL DIRECT EXPENSES				1004.91	________
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	________
Tractors	acre	37.84	1.0000	37.84	________
Self-Propelled	acre	145.02	1.0000	145.02	________
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	________
TOTAL FIXED EXPENSES				302.19	________
TOTAL SPECIFIED EXPENSES				1307.10	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 13.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_________
Cotton Seed	lb	0.11	2025.0000	222.75	_________

TOTAL INCOME				1302.90	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	165.00	1.0000	165.00	_________
FERTILIZERS	acre	123.44	1.0000	123.44	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	124.85	1.0000	124.85	_________
INSECTICIDES	acre	95.61	1.0000	95.61	_________
SEED/PLANTS	acre	143.10	1.0000	143.10	_________
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3135	2.82	_________
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_________
OPERATOR LABOR	hour	18.69	0.6069	11.34	_________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_________
DIESEL FUEL	gal	2.86	22.2512	63.62	_________
REPAIR & MAINTENANCE	acre	67.80	1.0000	67.80	_________
INTEREST ON OP. CAP.	acre	33.00	1.0000	33.00	_________

TOTAL DIRECT EXPENSES				1004.91	_________
RETURNS ABOVE DIRECT EXPENSES				297.99	_________
TOTAL FIXED EXPENSES				302.19	_________

TOTAL SPECIFIED EXPENSES				1307.10	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-4.20	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year

Table 13.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.60	0.39	1.12	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 13.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		815.41	63.62	67.80	25.08	0.00	33.00	1004.91	302.19	1307.10

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 13.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	50.39	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	5.73	4.27	0.20	0.15	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	14.29	12.81	9.61	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	21.56	1.99	1.49	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.52	4.69	2.63	0.98	0.45	1.54
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	265.33	140.94	97.75	49.37	33.40	226.62
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-265.33	-140.94	-97.75	-49.37	-33.40	1076.28
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-456.83	-597.77	-695.52	-744.89	-778.29	297.99

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 13.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
W3FE variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

PRODUCT			PERCENT 75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-294	-267	-240	-213	-186	-159	-132	-105	-78	-51	-24
			-596	-569	-542	-515	-488	-461	-434	-407	-380	-353	-326
60	900.00	lb	-229	-197	-164	-132	-100	-67	-35	-2	29	62	94
			-531	-499	-467	-434	-402	-369	-337	-304	-272	-240	-207
70	1050.00	lb	-165	-127	-89	-51	-14	23	61	99	137	175	212
			-467	-429	-391	-354	-316	-278	-240	-202	-164	-127	-89
80	1200.00	lb	-100	-57	-14	28	71	115	158	201	244	288	331
			-403	-359	-316	-273	-230	-187	-143	-100	-57	-14	29
90	1350.00	lb	-36	12	60	109	157	206	255	303	352	401	449
			-338	-290	-241	-192	-144	-95	-46	1	50	98	147
100	1500.00	lb	27	81	135	189	243	297	351	406	460	514	568
			-274	-220	-166	-112	-58	-4	49	103	157	211	265
110	1650.00	lb	92	151	211	270	329	389	448	508	567	627	686
			-209	-150	-91	-31	27	87	146	206	265	324	384
120	1800.00	lb	156	221	286	351	415	480	545	610	675	740	804
			-145	-80	-15	48	113	178	243	308	373	437	502
130	1950.00	lb	221	291	361	431	501	572	642	712	782	853	923
			-81	-10	59	129	199	270	340	410	480	550	621
140	2100.00	lb	285	361	436	512	587	663	739	814	890	966	1041
			-16	58	134	210	285	361	437	512	588	663	739
150	2250.00	lb	349	430	511	592	673	755	836	917	998	1079	1160
			47	128	209	290	371	452	533	614	695	776	857

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 14.A Estimated costs per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	________
App by Air (3 gal)	appl	7.50	5.2500	39.38	________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	________
Ethephon 6E	pt	4.76	2.3125	11.01	________
Tribufos 6lb	pt	14.70	0.5000	7.35	________
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	________
UAN (32%)	gal	2.41	25.4000	61.21	________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	________
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	________
Select Max	pt	15.01	1.0000	15.01	________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	________
Cotoran	pt	7.34	2.0000	14.68	________
Enlist Duo	pt	6.89	7.0000	48.23	________
Dual Magnum	pt	10.11	2.0000	20.22	________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	________
Bidrin 8EC	oz	1.60	5.2000	8.32	________
Centric 40WG	oz	7.29	2.0000	14.58	________
Diamond .83EC	oz	2.25	6.0000	13.50	________
Imidacloprid 4F	oz	0.48	2.0000	0.96	________
Bifenthrin	oz	0.48	12.8000	6.14	________
LambdaT	oz	2.10	1.0000	2.10	________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	________
Transform WG	oz	9.34	1.5000	14.01	________
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.2712	5.07	________
Self-Propelled	hour	18.69	0.2075	3.88	________
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	________
Self-Propelled	hour	9.06	0.1899	1.71	________
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	________
DIESEL FUEL					
Tractors	gal	2.86	4.1890	11.97	________
Self-Propelled	gal	2.86	4.8836	13.97	________
REPAIR & MAINTENANCE					
Implements	acre	7.72	1.0000	7.72	________
Tractors	acre	3.32	1.0000	3.32	________
Self-Propelled	acre	29.85	1.0000	29.85	________
INTEREST ON OP. CAP.	acre	28.42	1.0000	28.42	________
TOTAL DIRECT EXPENSES				863.55	________
FIXED EXPENSES					
Implements	acre	12.47	1.0000	12.47	________
Tractors	acre	25.71	1.0000	25.71	________
Self-Propelled	acre	145.02	1.0000	145.02	________
TOTAL FIXED EXPENSES				183.20	________
TOTAL SPECIFIED EXPENSES				1046.75	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 14.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_________
Cotton Seed	lb	0.11	1620.0000	178.20	_________

TOTAL INCOME				1042.32	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	132.00	1.0000	132.00	_________
FERTILIZERS	acre	101.85	1.0000	101.85	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	124.85	1.0000	124.85	_________
INSECTICIDES	acre	88.11	1.0000	88.11	_________
SEED/PLANTS	acre	143.10	1.0000	143.10	_________
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.2897	2.61	_________
OPERATOR LABOR	hour	18.69	0.4788	8.95	_________
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	_________
DIESEL FUEL	gal	2.86	9.0726	25.94	_________
REPAIR & MAINTENANCE	acre	40.89	1.0000	40.89	_________
INTEREST ON OP. CAP.	acre	28.42	1.0000	28.42	_________

TOTAL DIRECT EXPENSES				863.55	_________
RETURNS ABOVE DIRECT EXPENSES				178.77	_________
TOTAL FIXED EXPENSES				183.20	_________

TOTAL SPECIFIED EXPENSES				1046.75	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-4.43	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 14.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
NT Plant-Folding	12R-38	MFWD 300	0.051	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					25.4000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.47	0.27	0.76	0.38

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 14.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		---DIRECT COST---								
		---dollars---								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
NT Plant-Folding	12R-38		2.28	2.82	2.21		0.30	7.61	10.19	17.80
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	61.21					2.10	63.31		63.31
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		749.57	25.94	40.89	18.73	0.00	28.42	863.55	183.20	1046.75

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 14.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	-----	-----	-----	-----	-----	-----dollars	-----	-----	-----	-----	-----	-----
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	61.21	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.48	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	4.94	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	4.17	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	1.93	0.00	10.49	4.40	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	36.99	0.00	264.49	132.23	70.77	37.89	33.40	193.40
NET INCOME	-94.38	0.00	0.00	0.00	-36.99	0.00	-264.49	-132.23	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-131.37	-131.37	-395.86	-528.09	-598.86	-636.75	-670.15	178.77

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 14.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Delta Area, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-294	-273	-251	-230	-208	-186	-165	-143	-122	-100	-78
			-478	-456	-434	-413	-391	-370	-348	-326	-305	-283	-262
60	720.00	lb	-243	-217	-191	-165	-139	-113	-87	-61	-35	-10	15
			-426	-400	-374	-348	-322	-296	-270	-245	-219	-193	-167
70	840.00	lb	-191	-161	-131	-101	-70	-40	-10	19	50	80	110
			-375	-344	-314	-284	-254	-223	-193	-163	-133	-102	-72
80	960.00	lb	-140	-105	-71	-36	-2	32	67	101	136	170	205
			-323	-288	-254	-219	-185	-150	-116	-81	-46	-12	22
90	1080.00	lb	-88	-49	-11	27	66	105	144	183	222	261	300
			-271	-233	-194	-155	-116	-77	-38	0	39	77	116
100	1200.00	lb	-37	5	49	92	135	178	221	265	308	351	394
			-220	-177	-134	-90	-47	-4	38	81	125	168	211
110	1320.00	lb	14	61	109	156	204	251	299	346	394	441	489
			-168	-121	-73	-26	21	68	116	163	211	258	306
120	1440.00	lb	65	117	169	221	273	325	376	428	480	532	584
			-117	-65	-13	38	89	141	193	245	297	349	401
130	1560.00	lb	117	173	229	285	341	398	454	510	566	622	678
			-65	-9	46	102	158	214	271	327	383	439	495
140	1680.00	lb	168	229	289	350	410	471	531	592	652	713	773
			-14	46	106	167	227	288	348	409	469	530	590
150	1800.00	lb	220	285	349	414	479	544	609	673	738	803	868
			37	101	166	231	296	361	425	490	555	620	685

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 15.A Estimated costs per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	
App by Air (3 gal)	appl	7.50	5.2500	39.38	
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	
Ethephon 6E	pt	4.76	2.3125	11.01	
Tribufos 6lb	pt	14.70	0.5000	7.35	
GINNING					
Gin & Haul	lb	0.11	811.0000	89.21	
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	
UAN (32%)	gal	2.41	32.5498	78.45	
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	0.6700	13.40	
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	
Select Max	pt	15.01	1.0000	15.01	
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	
Cotoran	pt	7.34	2.0000	14.68	
Enlist Duo	pt	6.89	7.0000	48.23	
Dual Magnum	pt	10.11	2.0000	20.22	
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	
Bidrin 8EC	oz	1.60	5.2000	8.32	
Centric 40WG	oz	7.29	1.3400	9.77	
Diamond .83EC	oz	2.25	6.0000	13.50	
Imidacloprid 4F	oz	0.48	2.0000	0.96	
Bifenthrin	oz	0.48	12.8000	6.14	
LambdaT	oz	2.10	1.0000	2.10	
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	
Transform WG	oz	9.34	1.5000	14.01	
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	30.0000	95.40	
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	42.7200	2.14	
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	
OPERATOR LABOR					
Tractors	hour	18.69	0.8159	15.25	
Self-Propelled	hour	18.69	0.1958	3.66	
HAND LABOR					
Implements	hour	9.06	0.3181	2.87	
Self-Propelled	hour	9.06	0.1840	1.66	
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	
DIESEL FUEL					
Tractors	gal	2.86	12.6003	36.03	
Self-Propelled	gal	2.86	3.4035	9.74	
REPAIR & MAINTENANCE					
Implements	acre	14.66	1.0000	14.66	
Tractors	acre	10.00	1.0000	10.00	
Self-Propelled	acre	10.05	1.0000	10.05	
INTEREST ON OP. CAP.	acre	28.17	1.0000	28.17	
TOTAL DIRECT EXPENSES				811.87	
FIXED EXPENSES					
Implements	acre	28.17	1.0000	28.17	
Tractors	acre	77.32	1.0000	77.32	
Self-Propelled	acre	49.54	1.0000	49.54	
TOTAL FIXED EXPENSES				155.03	
TOTAL SPECIFIED EXPENSES				966.90	

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 15.B Summary of estimated costs and returns per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	811.0000	584.00	_________
Cotton Seed	lb	0.11	1095.0000	120.45	_________

TOTAL INCOME				704.45	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	89.21	1.0000	89.21	_________
FERTILIZERS	acre	119.08	1.0000	119.08	_________
FUNGICIDES	acre	13.40	1.0000	13.40	_________
HERBICIDES	acre	124.85	1.0000	124.85	_________
INSECTICIDES	acre	83.30	1.0000	83.30	_________
SEED/PLANTS	acre	95.40	1.0000	95.40	_________
GROWTH REGULATORS	acre	2.14	1.0000	2.14	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.5022	4.53	_________
OPERATOR LABOR	hour	18.69	1.0118	18.91	_________
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_________
DIESEL FUEL	gal	2.86	16.0039	45.77	_________
REPAIR & MAINTENANCE	acre	34.71	1.0000	34.71	_________
INTEREST ON OP. CAP.	acre	28.17	1.0000	28.17	_________

TOTAL DIRECT EXPENSES				811.87	_________
RETURNS ABOVE DIRECT EXPENSES				-107.42	_________
TOTAL FIXED EXPENSES				155.03	_________

TOTAL SPECIFIED EXPENSES				966.90	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-262.45	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 15.C Estimated resource use for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	8R-38 2x1	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	8R-38 2x1	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	8R-38 2x1	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed W3FE	thous					30.0000				
Cotton Seed Trt.	acre					0.6700				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					1.3400				
Mepiquat Chloride	oz					10.7200				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Ethephon 6E	pt					0.3125				
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R2x1(350)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	811.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.01	0.81	1.51	0.80

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 15.D Estimated costs for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	8R-38 2x1		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	8R-38 2x1		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.29	6.30	6.49	12.79
UAN (32%)	gal	39.22					1.89	41.11		41.11
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	8R-38 2x1		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed W3FE	thous	95.40					3.94	99.34		99.34
Cotton Seed Trt.	acre	13.40					0.55	13.95		13.95
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.21	6.22	6.49	12.71
UAN (32%)	gal	39.22					1.35	40.57		40.57
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	9.77					0.34	10.11		10.11
Mepiquat Chloride	oz	0.54					0.02	0.56		0.56
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Cotton Picker	4R2x1(350)		8.88	9.61	7.36		0.18	26.03	46.02	72.05
Boll Buggy	4R2x1(350)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	4R2x1(350)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	89.21					0.61	89.82		89.82
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		664.64	45.77	34.71	38.58	0.00	28.17	811.87	155.03	966.90

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 15.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	704.45
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.21
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	39.22	0.00	39.22	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.40	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	14.89	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	95.40	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	5.37	0.00	0.00	0.00	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	6.22	0.00	0.00	0.00	28.96
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.76	3.82	4.10	0.00	0.00	0.00	21.42
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.18	8.23	3.62	1.90	0.75	0.45	1.13
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	47.41	207.40	108.19	70.77	37.89	33.40	164.94
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-47.41	-207.40	-108.19	-70.77	-37.89	-33.40	539.51
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-189.28	-396.68	-504.87	-575.64	-613.53	-646.93	-107.42

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 15.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., W3FE variety, Delta, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	405.50	lb	-427	-412	-398	-383	-369	-354	-339	-325	-310	-296	-281
			-582	-567	-553	-538	-524	-509	-494	-480	-465	-451	-436
60	486.60	lb	-392	-375	-357	-340	-322	-305	-287	-270	-252	-235	-217
			-547	-530	-512	-495	-477	-460	-442	-425	-407	-390	-372
70	567.70	lb	-357	-337	-316	-296	-276	-255	-235	-214	-194	-173	-153
			-512	-492	-472	-451	-431	-410	-390	-369	-349	-328	-308
80	648.80	lb	-323	-299	-276	-252	-229	-206	-182	-159	-136	-112	-89
			-478	-454	-431	-408	-384	-361	-337	-314	-291	-267	-244
90	729.90	lb	-288	-261	-235	-209	-183	-156	-130	-104	-77	-51	-25
			-443	-416	-390	-364	-338	-311	-285	-259	-233	-206	-180
100	811.00	lb	-253	-224	-195	-165	-136	-107	-78	-49	-19	9	38
			-408	-379	-350	-320	-291	-262	-233	-204	-174	-145	-116
110	892.10	lb	-218	-186	-154	-122	-90	-58	-25	6	38	70	102
			-373	-341	-309	-277	-245	-213	-180	-148	-116	-84	-52
120	973.20	lb	-183	-148	-113	-78	-43	-8	26	61	96	131	166
			-338	-303	-268	-233	-198	-163	-128	-93	-58	-23	11
130	1054.30	lb	-148	-111	-73	-35	2	40	78	116	154	192	230
			-303	-266	-228	-190	-152	-114	-76	-38	-0	37	75
140	1135.40	lb	-114	-73	-32	8	49	90	131	172	212	253	294
			-269	-228	-187	-146	-105	-64	-23	16	57	98	139
150	1216.50	lb	-79	-35	8	52	95	139	183	227	271	314	358
			-234	-190	-146	-102	-59	-15	28	72	116	159	203

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 16.A Estimated costs per acre
Cotton, 8R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1000.0000	110.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	28.9332	69.73	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Enlist Duo	pt	6.89	7.0000	48.23	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.9288	17.36	_________
Self-Propelled	hour	18.69	0.2721	5.09	_________
HAND LABOR					
Implements	hour	9.06	0.3579	3.24	_________
Self-Propelled	hour	9.06	0.2222	1.99	_________
UNALLOCATED LABOR	hour	18.72	0.9608	17.99	_________
DIESEL FUEL					
Tractors	gal	2.86	14.3433	41.03	_________
Self-Propelled	gal	2.86	4.4209	12.66	_________
REPAIR & MAINTENANCE					
Implements	acre	14.67	1.0000	14.67	_________
Tractors	acre	11.37	1.0000	11.37	_________
Self-Propelled	acre	14.39	1.0000	14.39	_________
INTEREST ON OP. CAP.	acre	27.76	1.0000	27.76	_________
TOTAL DIRECT EXPENSES				788.40	_________
FIXED EXPENSES					
Implements	acre	27.45	1.0000	27.45	_________
Tractors	acre	88.02	1.0000	88.02	_________
Self-Propelled	acre	74.91	1.0000	74.91	_________
TOTAL FIXED EXPENSES				190.38	_________
TOTAL SPECIFIED EXPENSES				978.78	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 16.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_________
Cotton Seed	lb	0.11	1350.0000	148.50	_________

TOTAL INCOME				868.60	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	110.00	1.0000	110.00	_________
FERTILIZERS	acre	110.36	1.0000	110.36	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	109.84	1.0000	109.84	_________
INSECTICIDES	acre	48.20	1.0000	48.20	_________
SEED/PLANTS	acre	143.10	1.0000	143.10	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.5801	5.23	_________
OPERATOR LABOR	hour	18.69	1.2010	22.45	_________
UNALLOCATED LABOR	hour	18.72	0.9608	17.99	_________
DIESEL FUEL	gal	2.86	18.7642	53.69	_________
REPAIR & MAINTENANCE	acre	40.43	1.0000	40.43	_________
INTEREST ON OP. CAP.	acre	27.76	1.0000	27.76	_________

TOTAL DIRECT EXPENSES				788.40	_________
RETURNS ABOVE DIRECT EXPENSES				80.20	_________
TOTAL FIXED EXPENSES				190.38	_________

TOTAL SPECIFIED EXPENSES				978.78	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-110.18	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 16.C Estimated resource use for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	8R-38	MFWD 300	0.080	1.00	Nov		0.08	0.08	0.08	0.06
Bed/Disk (Hipper)Rd	8R-38	MFWD 300	0.074	0.50	Nov		0.03	0.03	0.03	0.02
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32%)	gal					14.4666				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant - Folding	8R-38	MFWD 300	0.074	1.00	May		0.07	0.07	0.14	0.05
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.20	0.92	1.78	0.96

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 16.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	8R-38		3.57	3.06	2.72		0.77	10.12	12.27	22.39
Bed/Disk (Hipper)Rd	8R-38		1.64	0.76	1.24		0.30	3.94	4.54	8.48
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96		0.43	9.30	9.50	18.80
UAN (32%)	gal	34.86					1.68	36.54		36.54
Row Cond Rigid	26'		2.64	1.08	2.01		0.24	5.97	7.52	13.49
Plant - Folding	8R-38		3.29	2.94	3.18		0.39	9.80	11.97	21.77
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96		0.30	9.17	9.50	18.67
UAN (32%)	gal	34.86					1.20	36.06		36.06
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55		0.24	7.17	7.26	14.43
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36		0.20	29.09	59.95	89.04
Boll Buggy	6R-38(355)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	6R-38(355)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	110.00					0.76	110.76		110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		620.85	53.69	40.43	45.67	0.00	27.76	788.40	190.38	978.78

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 16.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	868.60
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.96	0.00	0.00	0.00	0.45	2.96	6.09	5.96	0.90	0.45	0.68	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.21	0.00	0.00	0.00	0.43	3.43	6.79	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	3.82	0.00	0.00	0.00	0.22	2.48	4.46	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	8.25	0.00	0.00	0.00	0.72	2.11	10.65	3.67	0.63	0.12	0.31	1.30
TOTAL DIRECT EXPENSES	108.44	0.00	0.00	0.00	13.82	45.84	268.40	110.16	23.69	6.28	22.83	188.94
NET INCOME	-108.44	0.00	0.00	0.00	-13.82	-45.84	-268.40	-110.16	-23.69	-6.28	-22.83	679.66
NET INCOME TO DATE	-108.44	-108.44	-108.44	-108.44	-122.26	-168.10	-436.50	-546.66	-570.35	-576.63	-599.46	80.20

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 16.F Estimated returns for various price/yield combinations, per acre
Cotton, 8R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

PRODUCT	PERCENT 75	80	85	90	95	100	105	110	115	120	125
	PRODUCT PRICE										
Cotton Lint	0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90

PERCENT	YIELD	UNIT	dollars										
50	500.00	lb	-314	-296	-278	-260	-242	-224	-206	-188	-170	-152	-134
			-504	-486	-468	-450	-432	-414	-396	-378	-360	-342	-324
60	600.00	lb	-271	-249	-228	-206	-185	-163	-141	-120	-98	-77	-55
			-461	-440	-418	-397	-375	-353	-332	-310	-289	-267	-245
70	700.00	lb	-228	-203	-178	-153	-127	-102	-77	-52	-26	-1	23
			-419	-393	-368	-343	-318	-292	-267	-242	-217	-192	-166
80	800.00	lb	-185	-156	-128	-99	-70	-41	-12	15	44	73	102
			-376	-347	-318	-289	-260	-232	-203	-174	-145	-116	-88
90	900.00	lb	-142	-110	-77	-45	-13	19	51	84	116	148	181
			-333	-300	-268	-235	-203	-171	-138	-106	-73	-41	-9
100	1000.00	lb	-99	-63	-27	8	44	80	116	152	188	224	260
			-290	-254	-218	-182	-146	-110	-74	-38	-2	33	69
110	1100.00	lb	-56	-17	22	61	101	141	180	220	259	299	339
			-247	-207	-168	-128	-88	-49	-9	29	69	109	148
120	1200.00	lb	-13	29	72	115	158	202	245	288	331	374	418
			-204	-161	-117	-74	-31	11	54	98	141	184	227
130	1300.00	lb	28	75	122	169	216	263	309	356	403	450	497
			-161	-114	-67	-20	25	72	119	166	213	259	306
140	1400.00	lb	71	122	172	223	273	323	374	424	475	525	575
			-118	-68	-17	32	83	133	183	234	284	335	385
150	1500.00	lb	114	168	222	276	330	384	438	492	546	600	654
			-75	-21	32	86	140	194	248	302	356	410	464

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 17.A Estimated costs per acre
Cotton, 8R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	900.0000	99.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	18.4000	44.34	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Enlist Duo	pt	6.89	7.0000	48.23	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.7365	13.77	_________
Self-Propelled	hour	18.69	0.2721	5.09	_________
HAND LABOR					
Implements	hour	9.06	0.3222	2.91	_________
Self-Propelled	hour	9.06	0.2222	1.99	_________
UNALLOCATED LABOR	hour	18.73	0.8069	15.12	_________
DIESEL FUEL					
Tractors	gal	2.86	11.3731	32.53	_________
Self-Propelled	gal	2.86	4.4209	12.66	_________
REPAIR & MAINTENANCE					
Implements	acre	11.09	1.0000	11.09	_________
Tractors	acre	9.02	1.0000	9.02	_________
Self-Propelled	acre	14.39	1.0000	14.39	_________
INTEREST ON OP. CAP.	acre	24.84	1.0000	24.84	_________
TOTAL DIRECT EXPENSES				727.88	_________
FIXED EXPENSES					
Implements	acre	20.44	1.0000	20.44	_________
Tractors	acre	69.80	1.0000	69.80	_________
Self-Propelled	acre	74.91	1.0000	74.91	_________
TOTAL FIXED EXPENSES				165.15	_________
TOTAL SPECIFIED EXPENSES				893.03	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 17.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	________
Cotton Seed	lb	0.11	1215.0000	133.65	________

TOTAL INCOME				781.74	________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	________
GINNING	acre	99.00	1.0000	99.00	________
FERTILIZERS	acre	84.98	1.0000	84.98	________
FUNGICIDES	acre	20.00	1.0000	20.00	________
HERBICIDES	acre	109.84	1.0000	109.84	________
INSECTICIDES	acre	48.20	1.0000	48.20	________
SEED/PLANTS	acre	143.10	1.0000	143.10	________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	________
ADJUVANTS	acre	1.32	1.0000	1.32	________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	________
ERADICATION FEE	acre	1.00	1.0000	1.00	________
CUSTOM LIME	acre	34.23	1.0000	34.23	________
CROP CONSULTANT	acre	8.00	1.0000	8.00	________
SOIL TEST	acre	3.33	1.0000	3.33	________
HAND LABOR	hour	9.06	0.5444	4.90	________
OPERATOR LABOR	hour	18.69	1.0087	18.86	________
UNALLOCATED LABOR	hour	18.73	0.8069	15.12	________
DIESEL FUEL	gal	2.86	15.7941	45.19	________
REPAIR & MAINTENANCE	acre	34.50	1.0000	34.50	________
INTEREST ON OP. CAP.	acre	24.84	1.0000	24.84	________

TOTAL DIRECT EXPENSES				727.88	________
RETURNS ABOVE DIRECT EXPENSES				53.86	________
TOTAL FIXED EXPENSES				165.15	________

TOTAL SPECIFIED EXPENSES				893.03	________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-111.29	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 17.C Estimated resource use for field operations, per acre
Cotton, 8R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
NT Plant-Folding	8R-38	MFWD 300	0.077	1.00	May		0.07	0.07	0.15	0.06
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					18.4000				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.00	0.73	1.55	0.80

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 17.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

OPERATION/	SIZE/	DIRECT COST							FIXED	TOTAL
OPERATING INPUT	UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	COST	COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Rigid	26'		2.64	1.08	2.01		0.24	5.97	7.52	13.49
NT Plant-Folding	8R-38		3.43	3.31	3.31		0.41	10.46	13.05	23.51
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96		0.30	9.17	9.50	18.67
UAN (32%)	gal	44.34					1.52	45.86		45.86
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55		0.24	7.17	7.26	14.43
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36		0.20	29.09	59.95	89.04
Boll Buggy	6R-38(355)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	6R-38(355)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	99.00					0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		584.47	45.19	34.50	38.88	0.00	24.84	727.88	165.15	893.03

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 17.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	781.74
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.45	0.00	6.22	5.96	0.90	0.45	0.68	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.43	0.00	6.93	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.83	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	10.67	3.99	0.63	0.12	0.31	1.22
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	269.06	119.96	23.69	6.28	22.83	177.86
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-269.06	-119.96	-23.69	-6.28	-22.83	603.88
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-377.26	-497.22	-520.91	-527.19	-550.02	53.86

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 17.F Estimated returns for various price/yield combinations, per acre
Cotton, 8R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

PRODUCT			PERCENT 75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-301	-285	-268	-252	-236	-220	-204	-187	-171	-155	-139
			-466	-450	-434	-417	-401	-385	-369	-353	-336	-320	-304
60	540.00	lb	-262	-243	-223	-204	-184	-165	-146	-126	-107	-87	-68
			-427	-408	-388	-369	-350	-330	-311	-291	-272	-252	-233
70	630.00	lb	-224	-201	-178	-156	-133	-110	-87	-65	-42	-19	2
			-389	-366	-343	-321	-298	-275	-253	-230	-207	-185	-162
80	720.00	lb	-185	-159	-133	-107	-81	-55	-29	-3	21	47	73
			-350	-324	-298	-272	-246	-220	-195	-169	-143	-117	-91
90	810.00	lb	-146	-117	-88	-59	-30	-0	28	57	86	115	144
			-311	-282	-253	-224	-195	-166	-136	-107	-78	-49	-20
100	900.00	lb	-108	-75	-43	-10	21	53	86	118	151	183	215
			-273	-240	-208	-176	-143	-111	-78	-46	-14	18	50
110	990.00	lb	-69	-33	1	37	73	108	144	179	215	251	286
			-234	-199	-163	-127	-92	-56	-20	14	50	86	121
120	1080.00	lb	-30	8	46	85	124	163	202	241	280	319	357
			-196	-157	-118	-79	-40	-1	37	76	115	153	192
130	1170.00	lb	7	49	92	134	176	218	260	302	344	386	429
			-157	-115	-73	-31	11	53	95	137	179	221	263
140	1260.00	lb	46	91	137	182	227	273	318	363	409	454	500
			-118	-73	-28	17	62	108	153	198	244	289	334
150	1350.00	lb	85	133	182	230	279	328	376	425	473	522	571
			-80	-31	17	65	114	162	211	260	308	357	405

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 18.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1000.0000	110.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	28.9332	69.73	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Enlist Duo	pt	6.89	7.0000	48.23	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4268	7.98	_________
Self-Propelled	hour	18.69	0.2721	5.09	_________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_________
Self-Propelled	hour	9.06	0.2222	1.99	_________
UNALLOCATED LABOR	hour	18.74	0.5592	10.48	_________
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	_________
Self-Propelled	gal	2.86	5.7068	16.33	_________
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	_________
Tractors	acre	5.23	1.0000	5.23	_________
Self-Propelled	acre	31.06	1.0000	31.06	_________
INTEREST ON OP. CAP.	acre	26.89	1.0000	26.89	_________
TOTAL DIRECT EXPENSES				756.97	_________
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	_________
Tractors	acre	40.44	1.0000	40.44	_________
Self-Propelled	acre	154.70	1.0000	154.70	_________
TOTAL FIXED EXPENSES				214.98	_________
TOTAL SPECIFIED EXPENSES				971.95	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 18.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_________
Cotton Seed	lb	0.11	1350.0000	148.50	_________

TOTAL INCOME				868.60	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	110.00	1.0000	110.00	_________
FERTILIZERS	acre	110.36	1.0000	110.36	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	109.84	1.0000	109.84	_________
INSECTICIDES	acre	48.20	1.0000	48.20	_________
SEED/PLANTS	acre	143.10	1.0000	143.10	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3458	3.10	_________
OPERATOR LABOR	hour	18.69	0.6990	13.07	_________
UNALLOCATED LABOR	hour	18.74	0.5592	10.48	_________
DIESEL FUEL	gal	2.86	12.2980	35.17	_________
REPAIR & MAINTENANCE	acre	47.41	1.0000	47.41	_________
INTEREST ON OP. CAP.	acre	26.89	1.0000	26.89	_________

TOTAL DIRECT EXPENSES				756.97	_________
RETURNS ABOVE DIRECT EXPENSES				111.63	_________
TOTAL FIXED EXPENSES				214.98	_________

TOTAL SPECIFIED EXPENSES				971.95	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-103.35	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 18.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							------------hours			------------
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							0.69	0.42	1.04	0.55

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 18.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	34.86					1.68	36.54		36.54
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	34.86					1.20	36.06		36.06
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	110.00					0.76	110.76		110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		620.85	35.17	47.41	26.65	0.00	26.89	756.97	214.98	971.95

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 18.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	--------	--------	--------	--------	--------	--------	dollars	--------	--------	--------	--------	--------
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	868.60
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.45	1.97	4.39	4.12	0.90	0.45	0.68	11.06
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.43	2.28	4.85	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.47	3.50	0.63	0.12	0.31	1.19
	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	263.94	104.98	23.69	6.28	22.83	173.77
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-263.94	-104.98	-23.69	-6.28	-22.83	694.83
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-425.42	-530.40	-554.09	-560.37	-583.20	111.63

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 18.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE variety, Non-Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	500.00	lb	-283	-265	-247	-229	-211	-193	-175	-157	-139	-121	-103
			-498	-480	-462	-444	-426	-408	-390	-372	-354	-336	-318
60	600.00	lb	-240	-218	-196	-175	-153	-132	-110	-88	-67	-45	-24
			-455	-433	-411	-390	-368	-347	-325	-303	-282	-260	-239
70	700.00	lb	-197	-171	-146	-121	-96	-71	-45	-20	4	29	54
			-412	-386	-361	-336	-311	-286	-260	-235	-210	-185	-160
80	800.00	lb	-154	-125	-96	-67	-39	-10	18	47	76	104	133
			-369	-340	-311	-282	-254	-225	-196	-167	-138	-110	-81
90	900.00	lb	-111	-78	-46	-14	18	50	83	115	147	180	212
			-326	-293	-261	-229	-196	-164	-131	-99	-67	-34	-2
100	1000.00	lb	-68	-32	3	39	75	111	147	183	219	255	291
			-283	-247	-211	-175	-139	-103	-67	-31	4	40	76
110	1100.00	lb	-25	14	53	93	132	172	212	251	291	330	370
			-240	-200	-161	-121	-82	-42	-2	36	76	116	155
120	1200.00	lb	17	60	103	147	190	233	276	319	363	406	449
			-197	-154	-111	-67	-24	18	61	104	148	191	234
130	1300.00	lb	60	107	154	200	247	294	341	388	434	481	528
			-154	-107	-60	-14	32	79	126	173	219	266	313
140	1400.00	lb	103	153	204	254	304	355	405	456	506	556	607
			-111	-61	-10	39	89	140	190	241	291	342	392
150	1500.00	lb	146	200	254	308	362	416	470	524	578	632	686
			-68	-14	39	93	147	201	255	309	363	417	471

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 19.A Estimated costs per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	900.0000	99.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	18.4000	44.34	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Enlist Duo	pt	6.89	7.0000	48.23	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.2987	5.59	_________
Self-Propelled	hour	18.69	0.2721	5.09	_________
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	_________
Self-Propelled	hour	9.06	0.2222	1.99	_________
UNALLOCATED LABOR	hour	18.76	0.4567	8.57	_________
DIESEL FUEL					
Tractors	gal	2.86	4.6137	13.19	_________
Self-Propelled	gal	2.86	5.7068	16.33	_________
REPAIR & MAINTENANCE					
Implements	acre	7.73	1.0000	7.73	_________
Tractors	acre	3.66	1.0000	3.66	_________
Self-Propelled	acre	31.06	1.0000	31.06	_________
INTEREST ON OP. CAP.	acre	24.38	1.0000	24.38	_________
TOTAL DIRECT EXPENSES				702.96	_________
FIXED EXPENSES					
Implements	acre	12.48	1.0000	12.48	_________
Tractors	acre	28.31	1.0000	28.31	_________
Self-Propelled	acre	154.70	1.0000	154.70	_________
TOTAL FIXED EXPENSES				195.49	_________
TOTAL SPECIFIED EXPENSES				898.45	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 19.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	________
Cotton Seed	lb	0.11	1215.0000	133.65	________

TOTAL INCOME				781.74	________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	________
GINNING	acre	99.00	1.0000	99.00	________
FERTILIZERS	acre	84.98	1.0000	84.98	________
FUNGICIDES	acre	20.00	1.0000	20.00	________
HERBICIDES	acre	109.84	1.0000	109.84	________
INSECTICIDES	acre	48.20	1.0000	48.20	________
SEED/PLANTS	acre	143.10	1.0000	143.10	________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	________
ADJUVANTS	acre	1.32	1.0000	1.32	________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	________
ERADICATION FEE	acre	1.00	1.0000	1.00	________
CUSTOM LIME	acre	34.23	1.0000	34.23	________
CROP CONSULTANT	acre	8.00	1.0000	8.00	________
SOIL TEST	acre	3.33	1.0000	3.33	________
HAND LABOR	hour	9.06	0.3220	2.89	________
OPERATOR LABOR	hour	18.69	0.5709	10.68	________
UNALLOCATED LABOR	hour	18.76	0.4567	8.57	________
DIESEL FUEL	gal	2.86	10.3205	29.52	________
REPAIR & MAINTENANCE	acre	42.45	1.0000	42.45	________
INTEREST ON OP. CAP.	acre	24.38	1.0000	24.38	________

TOTAL DIRECT EXPENSES				702.96	________
RETURNS ABOVE DIRECT EXPENSES				78.78	________
TOTAL FIXED EXPENSES				195.49	________

TOTAL SPECIFIED EXPENSES				898.45	________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-116.71	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 19.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------	hours	------------	
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
NT Plant-Folding	12R-38	MFWD 300	0.051	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					18.4000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							0.57	0.29	0.89	0.45

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 19.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
NT Plant-Folding	12R-38		2.28	2.82	2.21		0.30	7.61	10.19	17.80
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	44.34					1.52	45.86		45.86
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	99.00					0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		584.47	29.52	42.45	22.14	0.00	24.38	702.96	195.49	898.45

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 19.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	781.74
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.45	0.00	4.48	4.12	0.90	0.45	0.68	11.06
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.43	0.00	4.94	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.17	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	10.49	3.82	0.63	0.12	0.31	1.11
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	264.49	114.78	23.69	6.28	22.83	162.69
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-264.49	-114.78	-23.69	-6.28	-22.83	619.05
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-372.69	-487.47	-511.16	-517.44	-540.27	78.78

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 19.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, no-till
W3FE variety, Non-Delta Area, Mississippi, 2025

PRODUCT			PERCENT 75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-276	-260	-244	-227	-211	-195	-179	-163	-146	-130	-114
			-471	-455	-439	-423	-407	-390	-374	-358	-342	-326	-309
60	540.00	lb	-237	-218	-198	-179	-160	-140	-121	-101	-82	-62	-43
			-433	-413	-394	-374	-355	-336	-316	-297	-277	-258	-238
70	630.00	lb	-199	-176	-153	-131	-108	-85	-63	-40	-17	4	27
			-394	-371	-349	-326	-303	-281	-258	-235	-213	-190	-167
80	720.00	lb	-160	-134	-108	-82	-56	-30	-4	20	46	72	98
			-356	-330	-304	-278	-252	-226	-200	-174	-148	-122	-96
90	810.00	lb	-121	-92	-63	-34	-5	23	53	82	111	140	169
			-317	-288	-259	-229	-200	-171	-142	-113	-84	-54	-25
100	900.00	lb	-83	-50	-18	13	46	78	111	143	175	208	240
			-278	-246	-213	-181	-149	-116	-84	-51	-19	12	45
110	990.00	lb	-44	-8	26	62	97	133	169	204	240	276	311
			-240	-204	-168	-133	-97	-61	-26	9	45	80	116
120	1080.00	lb	-5	32	71	110	149	188	227	266	305	344	382
			-201	-162	-123	-84	-45	-7	31	70	109	148	187
130	1170.00	lb	32	74	116	159	201	243	285	327	369	411	453
			-162	-120	-78	-36	5	47	89	132	174	216	258
140	1260.00	lb	71	116	162	207	252	298	343	388	434	479	524
			-124	-78	-33	11	57	102	148	193	238	284	329
150	1350.00	lb	109	158	207	255	304	352	401	450	498	547	596
			-85	-36	11	60	108	157	206	254	303	351	400

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 20.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
W3FE pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	28.9332	69.73	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	32.0000	3.84	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Enlist Duo	pt	6.89	7.0000	48.23	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Acephate 90%	lb	6.75	2.0000	13.50	_________
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_________
SEED/PLANTS					
Cotton Seed W3FE	thous	3.18	45.0000	143.10	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4268	7.98	_________
Self-Propelled	hour	18.69	0.2780	5.20	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	_________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_________
Self-Propelled	hour	9.06	0.2251	2.02	_________
UNALLOCATED LABOR	hour	18.72	0.5639	10.56	_________
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	_________
Self-Propelled	gal	2.86	5.7817	16.54	_________
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_________
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	_________
Tractors	acre	5.23	1.0000	5.23	_________
Self-Propelled	acre	31.17	1.0000	31.17	_________
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_________
INTEREST ON OP. CAP.	acre	28.94	1.0000	28.94	_________
TOTAL DIRECT EXPENSES				844.88	_________
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	_________
Tractors	acre	40.44	1.0000	40.44	_________
Self-Propelled	acre	155.58	1.0000	155.58	_________
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_________
TOTAL FIXED EXPENSES				315.36	_________
TOTAL SPECIFIED EXPENSES				1160.24	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 20.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
W3FE pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_________
Cotton Seed	lb	0.11	1620.0000	178.20	_________

TOTAL INCOME				1042.32	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	132.00	1.0000	132.00	_________
FERTILIZERS	acre	110.36	1.0000	110.36	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	109.84	1.0000	109.84	_________
INSECTICIDES	acre	55.70	1.0000	55.70	_________
SEED/PLANTS	acre	143.10	1.0000	143.10	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3487	3.13	_________
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_________
OPERATOR LABOR	hour	18.69	0.7049	13.18	_________
UNALLOCATED LABOR	hour	18.72	0.5639	10.56	_________
DIESEL FUEL	gal	2.86	23.5740	67.41	_________
REPAIR & MAINTENANCE	acre	69.47	1.0000	69.47	_________
INTEREST ON OP. CAP.	acre	28.94	1.0000	28.94	_________

TOTAL DIRECT EXPENSES				844.88	_________
RETURNS ABOVE DIRECT EXPENSES				197.44	_________
TOTAL FIXED EXPENSES				315.36	_________

TOTAL SPECIFIED EXPENSES				1160.24	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-117.92	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 20.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed W3FE	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Acephate 90%	lb					0.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Enlist Duo	pt					3.5000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.50	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.02	0.01
IncidentalPestTrt$15	acre					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.70	0.42	1.25	0.56

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 20.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	34.86					1.68	36.54		36.54
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed W3FE	thous	143.10					5.90	149.00		149.00
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Enlist Duo	pt	24.12					0.99	25.11		25.11
Dual Magnum	pt	10.11					0.42	10.53		10.53
Acephate 90%	lb	3.38					0.14	3.52		3.52
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	34.86					1.20	36.06		36.06
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Enlist Duo	pt	24.12					0.83	24.95		24.95
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.64	0.33	0.67		0.05	1.69	2.64	4.33
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		650.35	67.41	69.47	28.71	0.00	28.94	844.88	315.36	1160.24

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 20.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
W3FE pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	64.27	34.23	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	19.70	27.56	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	143.10	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.45	1.97	5.73	4.27	1.32	0.60	0.68	11.06
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.43	2.28	4.85	14.29	13.88	10.04	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	21.56	2.54	1.71	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.52	4.47	1.28	0.35	0.31	1.34
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	265.33	134.18	47.38	17.76	22.83	195.92
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-265.33	-134.18	-47.38	-17.76	-22.83	846.40
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-426.81	-560.99	-608.37	-626.13	-648.96	197.44

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 20.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
W3FE pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-276	-254	-232	-211	-189	-168	-146	-124	-103	-81	-60
			-591	-569	-548	-526	-505	-483	-461	-440	-418	-397	-375
60	720.00	lb	-224	-198	-172	-146	-120	-95	-69	-43	-17	8	34
			-540	-514	-488	-462	-436	-410	-384	-358	-332	-306	-280
70	840.00	lb	-173	-142	-112	-82	-52	-21	8	38	68	99	129
			-488	-458	-428	-397	-367	-337	-307	-276	-246	-216	-186
80	960.00	lb	-121	-87	-52	-17	16	51	85	120	154	189	224
			-436	-402	-367	-333	-298	-264	-229	-195	-160	-125	-91
90	1080.00	lb	-70	-31	7	46	85	124	163	202	240	279	318
			-385	-346	-307	-268	-229	-191	-152	-113	-74	-35	3
100	1200.00	lb	-18	24	67	111	154	197	240	283	327	370	413
			-333	-290	-247	-204	-161	-117	-74	-31	11	54	98
110	1320.00	lb	32	80	127	175	223	270	318	365	413	460	508
			-282	-234	-187	-139	-92	-44	2	50	97	145	192
120	1440.00	lb	84	136	188	239	291	343	395	447	499	551	602
			-230	-179	-127	-75	-23	28	80	132	183	235	287
130	1560.00	lb	135	192	248	304	360	416	472	529	585	641	697
			-179	-123	-67	-10	45	101	157	213	269	326	382
140	1680.00	lb	187	247	308	368	429	489	550	610	671	731	792
			-127	-67	-6	53	114	174	235	295	356	416	477
150	1800.00	lb	239	303	368	433	498	563	627	692	757	822	887
			-76	-11	53	118	182	247	312	377	442	506	571

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 21.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_________
App by Air (3 gal)	appl	7.50	5.2500	39.38	_________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	34.3582	82.80	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Select Max	pt	15.01	1.0000	15.01	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Bidrin 8EC	oz	1.60	5.2000	8.32	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
Diamond .83EC	oz	2.25	6.0000	13.50	_________
Imidacloprid 4F	oz	0.48	2.0000	0.96	_________
Acephate 90%	lb	6.75	1.5000	10.13	_________
Bifenthrin	oz	0.48	12.8000	6.14	_________
LambdaT	oz	2.10	1.0000	2.10	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
Transform WG	oz	9.34	1.5000	14.01	_________
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	_________
Self-Propelled	hour	18.69	0.2075	3.88	_________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_________
Self-Propelled	hour	9.06	0.1899	1.71	_________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_________
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	_________
Self-Propelled	gal	2.86	4.8836	13.97	_________
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	_________
Tractors	acre	4.89	1.0000	4.89	_________
Self-Propelled	acre	29.85	1.0000	29.85	_________
INTEREST ON OP. CAP.	acre	31.02	1.0000	31.02	_________
TOTAL DIRECT EXPENSES				906.76	_________
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	_________
Tractors	acre	37.84	1.0000	37.84	_________
Self-Propelled	acre	145.02	1.0000	145.02	_________
TOTAL FIXED EXPENSES				202.69	_________
TOTAL SPECIFIED EXPENSES				1109.45	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 21.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_________
Cotton Seed	lb	0.11	1620.0000	178.20	_________

TOTAL INCOME				1042.32	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	132.00	1.0000	132.00	_________
FERTILIZERS	acre	123.44	1.0000	123.44	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	111.43	1.0000	111.43	_________
INSECTICIDES	acre	84.73	1.0000	84.73	_________
SEED/PLANTS	acre	163.80	1.0000	163.80	_________
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3135	2.82	_________
OPERATOR LABOR	hour	18.69	0.6069	11.34	_________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_________
DIESEL FUEL	gal	2.86	11.0501	31.59	_________
REPAIR & MAINTENANCE	acre	45.85	1.0000	45.85	_________
INTEREST ON OP. CAP.	acre	31.02	1.0000	31.02	_________

TOTAL DIRECT EXPENSES				906.76	_________
RETURNS ABOVE DIRECT EXPENSES				135.56	_________
TOTAL FIXED EXPENSES				202.69	_________

TOTAL SPECIFIED EXPENSES				1109.45	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-67.13	_________

Note: Cost of production estimates are based on 2024 input prices. .
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 21.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.60	0.39	0.92	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 21.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		775.06	31.59	45.85	23.24	0.00	31.02	906.76	202.69	1109.45

Note: Cost of production estimates are based on 2024 input prices.

Fertilization decisions should be based on soil tests.

Soil test cost is prorated for a test every 3rd year.

Lime cost prorated for application every 3rd year.

Table 21.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.92	3.49	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	275.00	104.80	70.77	37.89	33.40	193.40
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-275.00	-104.80	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-466.50	-571.30	-642.07	-679.96	-713.36	135.56

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 21.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-338	-316	-294	-273	-251	-230	-208	-186	-165	-143	-122
			-540	-519	-497	-475	-454	-432	-411	-389	-367	-346	-324
60	720.00	lb	-286	-260	-234	-208	-182	-156	-131	-105	-79	-53	-27
			-489	-463	-437	-411	-385	-359	-333	-307	-281	-255	-229
70	840.00	lb	-235	-204	-174	-144	-114	-83	-53	-23	6	37	67
			-437	-407	-377	-346	-316	-286	-256	-226	-195	-165	-135
80	960.00	lb	-183	-148	-114	-79	-45	-10	23	58	93	127	162
			-386	-351	-317	-282	-247	-213	-178	-144	-109	-75	-40
90	1080.00	lb	-131	-93	-54	-15	23	62	101	140	179	217	256
			-334	-295	-256	-218	-179	-140	-101	-62	-23	15	54
100	1200.00	lb	-80	-37	5	49	92	135	178	221	265	308	351
			-283	-239	-196	-153	-110	-67	-23	19	62	105	148
110	1320.00	lb	-28	18	66	113	161	208	256	303	351	398	446
			-231	-184	-136	-89	-41	5	53	101	148	196	243
120	1440.00	lb	22	74	126	178	229	281	333	385	437	489	541
			-180	-128	-76	-24	27	79	130	182	234	286	338
130	1560.00	lb	74	130	186	242	298	354	411	467	523	579	635
			-128	-72	-16	39	96	152	208	264	320	376	433
140	1680.00	lb	125	186	246	307	367	428	488	549	609	669	730
			-77	-16	43	104	164	225	285	346	406	467	527
150	1800.00	lb	177	241	306	371	436	501	565	630	695	760	825
			-25	39	104	168	233	298	363	428	492	557	622

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 22.A Estimated costs per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	________
App by Air (3 gal)	appl	7.50	5.7500	43.13	________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	________
Ethephon 6E	pt	4.76	2.3125	11.01	________
Tribufos 6lb	pt	14.70	0.5000	7.35	________
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	________
UAN (32%)	gal	2.41	34.3582	82.80	________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	________
Select Max	pt	15.01	1.0000	15.01	________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	________
Cotoran	pt	7.34	2.0000	14.68	________
Engenia	oz	1.06	25.6000	27.14	________
Dual Magnum	pt	10.11	2.0000	20.22	________
INSECTICIDES					
Bidrin 8EC	oz	1.60	5.2000	8.32	________
Diamond .83EC	oz	2.25	6.0000	13.50	________
Imidacloprid 4F	oz	0.48	2.0000	0.96	________
Centric 40WG	oz	7.29	2.0000	14.58	________
Acephate 90%	lb	6.75	1.5000	10.13	________
Bifenthrin	oz	0.48	12.8000	6.14	________
LambdaT	oz	2.10	1.0000	2.10	________
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	________
Transform WG	oz	9.34	1.5000	14.01	________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	________
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	51.0000	2.55	________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.5025	9.39	________
Self-Propelled	hour	18.69	0.2075	3.88	________
IRRIGATE LABOR					
Special Labor	hour	9.06	0.3000	2.73	________
Implements	hour	9.06	0.0625	0.57	________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	________
Self-Propelled	hour	9.06	0.1899	1.71	________
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	________
DIESEL FUEL					
Tractors	gal	2.86	7.2737	20.78	________
Self-Propelled	gal	2.86	4.8836	13.97	________
Roll-Out Pipe Irr.	gal	2.86	8.5535	24.45	________
REPAIR & MAINTENANCE					
Implements	acre	12.07	1.0000	12.07	________
Tractors	acre	5.78	1.0000	5.78	________
Self-Propelled	acre	29.85	1.0000	29.85	________
Roll-Out Pipe Irr.	acre	7.16	1.0000	7.16	________
INTEREST ON OP. CAP.	acre	32.80	1.0000	32.80	________
TOTAL DIRECT EXPENSES				1003.08	________
FIXED EXPENSES					
Implements	acre	24.17	1.0000	24.17	________
Tractors	acre	44.81	1.0000	44.81	________
Self-Propelled	acre	145.02	1.0000	145.02	________
Roll-Out Pipe Irr.	acre	74.47	1.0000	74.47	________
TOTAL FIXED EXPENSES				288.47	________
TOTAL SPECIFIED EXPENSES				1291.55	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 22.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_________
Cotton Seed	lb	0.11	2025.0000	222.75	_________

TOTAL INCOME				1302.90	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	165.00	1.0000	165.00	_________
FERTILIZERS	acre	123.44	1.0000	123.44	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	111.43	1.0000	111.43	_________
INSECTICIDES	acre	92.23	1.0000	92.23	_________
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_________
SEED/PLANTS	acre	163.80	1.0000	163.80	_________
GROWTH REGULATORS	acre	2.55	1.0000	2.55	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3135	2.82	_________
IRRIGATE LABOR	hour	9.06	0.3625	3.30	_________
OPERATOR LABOR	hour	18.69	0.7101	13.27	_________
UNALLOCATED LABOR	hour	18.70	0.5052	9.45	_________
DIESEL FUEL	gal	2.86	20.7109	59.20	_________
REPAIR & MAINTENANCE	acre	54.86	1.0000	54.86	_________
INTEREST ON OP. CAP.	acre	32.80	1.0000	32.80	_________

TOTAL DIRECT EXPENSES				1003.08	_________
RETURNS ABOVE DIRECT EXPENSES				299.82	_________
TOTAL FIXED EXPENSES				288.47	_________

TOTAL SPECIFIED EXPENSES				1291.55	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				11.35	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 22.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------	hours	------------	
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	1.00	Nov		0.04	0.04	0.04	0.03
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jul		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Mepiquat Chloride	oz					19.0000				
Centric 40WG	oz					2.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
Roll-Out Pipe Irr.	acre				Jan	1.0000	0.07	0.07	0.44	
TOTALS							0.71	0.50	1.38	0.50

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 22.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST (dollars)								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		2.18	2.01	1.66		0.48	6.33	9.32	15.65
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.13	4.97	5.14	10.11
Engenia	oz	13.57					0.37	13.94		13.94
Glyphosate 3lbs a.e	oz	3.84					0.11	3.95		3.95
Dual Magnum	pt	10.11					0.28	10.39		10.39
Mepiquat Chloride	oz	0.95					0.03	0.98		0.98
Centric 40WG	oz	14.58					0.40	14.98		14.98
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
Roll-Out Pipe Irr.	acre	7.92	26.52	8.00	4.77		1.34	48.55	81.12	129.67
TOTALS		827.38	59.20	54.86	28.84	0.00	32.80	1003.08	288.47	1291.55

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 22.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	0.00	27.52	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.12	64.97	22.14	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.46	0.00	0.00	0.00	0.00	1.97	4.62	5.10	1.93	0.23	0.69	10.84
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	4.55	0.00	0.00	0.00	0.00	2.28	4.85	11.40	10.12	8.15	0.47	17.38
REPAIR & MAINTENANCE	4.62	0.00	0.00	0.00	0.00	1.70	3.82	6.50	2.57	1.40	0.20	34.05
INTEREST ON OP. CAP.	8.22	0.00	0.00	0.00	1.93	2.28	10.93	2.66	3.80	0.95	0.47	1.56
TOTAL DIRECT EXPENSES	108.05	0.00	0.00	0.00	36.99	49.63	275.24	80.10	141.59	47.87	34.78	228.83
NET INCOME	-108.05	0.00	0.00	0.00	-36.99	-49.63	-275.24	-80.10	-141.59	-47.87	-34.78	1074.07
NET INCOME TO DATE	-108.05	-108.05	-108.05	-108.05	-145.04	-194.67	-469.91	-550.01	-691.60	-739.47	-774.25	299.82

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 22.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conserv. tillage, furrow irr.,
ThryvOn variety, 10.5 ac-in., Delta Area, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-292	-265	-238	-211	-184	-157	-130	-103	-76	-49	-22
			-580	-553	-526	-499	-472	-445	-418	-391	-364	-337	-310
60	900.00	lb	-227	-195	-163	-130	-98	-65	-33	-0	31	63	96
			-516	-483	-451	-419	-386	-354	-321	-289	-257	-224	-192
70	1050.00	lb	-163	-125	-87	-49	-12	25	63	101	139	176	214
			-451	-414	-376	-338	-300	-262	-225	-187	-149	-111	-73
80	1200.00	lb	-99	-55	-12	30	73	117	160	203	246	289	333
			-387	-344	-301	-257	-214	-171	-128	-85	-41	1	44
90	1350.00	lb	-34	13	62	111	159	208	257	305	354	402	451
			-323	-274	-225	-177	-128	-80	-31	17	65	114	162
100	1500.00	lb	29	83	137	191	245	299	353	407	461	515	569
			-258	-204	-150	-96	-42	11	65	119	173	227	281
110	1650.00	lb	94	153	212	272	331	391	450	510	569	628	688
			-194	-134	-75	-16	43	102	162	221	280	340	399
120	1800.00	lb	158	223	288	353	417	482	547	612	677	741	806
			-129	-65	-0	64	129	194	258	323	388	453	518
130	1950.00	lb	222	293	363	433	503	574	644	714	784	854	925
			-65	4	74	145	215	285	355	425	496	566	636
140	2100.00	lb	287	362	438	514	589	665	741	816	892	967	1043
			-1	74	150	225	301	376	452	528	603	679	755
150	2250.00	lb	351	432	513	594	675	756	837	918	999	1080	1161
			63	144	225	306	387	468	549	630	711	792	873

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 23.A Estimated costs per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	________
App by Air (3 gal)	appl	7.50	5.7500	43.13	________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	________
Ethephon 6E	pt	4.76	2.3125	11.01	________
Tribufos 6lb	pt	14.70	0.5000	7.35	________
GINNING					
Gin & Haul	lb	0.11	1500.0000	165.00	________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	________
UAN (32%)	gal	2.41	34.3582	82.80	________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	________
Select Max	pt	15.01	1.0000	15.01	________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	________
Cotoran	pt	7.34	2.0000	14.68	________
Engenia	oz	1.06	25.6000	27.14	________
Dual Magnum	pt	10.11	2.0000	20.22	________
INSECTICIDES					
Bidrin 8EC	oz	1.60	5.2000	8.32	________
Centric 40WG	oz	7.29	2.0000	14.58	________
Diamond .83EC	oz	2.25	6.0000	13.50	________
Imidacloprid 4F	oz	0.48	2.0000	0.96	________
Acephate 90%	lb	6.75	1.5000	10.13	________
Bifenthrin	oz	0.48	12.8000	6.14	________
LambdaT	oz	2.10	1.0000	2.10	________
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	________
Transform WG	oz	9.34	1.5000	14.01	________
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.3993	7.46	________
Self-Propelled	hour	18.69	0.2075	3.88	________
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	________
Self-Propelled	hour	9.06	0.1899	1.71	________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	________
DIESEL FUEL					
Tractors	gal	2.86	6.1665	17.62	________
Self-Propelled	gal	2.86	4.8836	13.97	________
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	________
REPAIR & MAINTENANCE					
Implements	acre	11.11	1.0000	11.11	________
Tractors	acre	4.89	1.0000	4.89	________
Self-Propelled	acre	29.85	1.0000	29.85	________
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	________
INTEREST ON OP. CAP.	acre	33.22	1.0000	33.22	________

TOTAL DIRECT EXPENSES				1009.03	________
FIXED EXPENSES					
Implements	acre	19.83	1.0000	19.83	________
Tractors	acre	37.84	1.0000	37.84	________
Self-Propelled	acre	145.02	1.0000	145.02	________
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	________

TOTAL FIXED EXPENSES				302.19	________

TOTAL SPECIFIED EXPENSES				1311.22	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 23.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1500.0000	1080.15	_________
Cotton Seed	lb	0.11	2025.0000	222.75	_________

TOTAL INCOME				1302.90	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	63.26	1.0000	63.26	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	165.00	1.0000	165.00	_________
FERTILIZERS	acre	123.44	1.0000	123.44	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	111.43	1.0000	111.43	_________
INSECTICIDES	acre	92.23	1.0000	92.23	_________
SEED/PLANTS	acre	163.80	1.0000	163.80	_________
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3135	2.82	_________
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_________
OPERATOR LABOR	hour	18.69	0.6069	11.34	_________
UNALLOCATED LABOR	hour	18.70	0.4855	9.08	_________
DIESEL FUEL	gal	2.86	22.2512	63.62	_________
REPAIR & MAINTENANCE	acre	67.80	1.0000	67.80	_________
INTEREST ON OP. CAP.	acre	33.22	1.0000	33.22	_________

TOTAL DIRECT EXPENSES				1009.03	_________
RETURNS ABOVE DIRECT EXPENSES				293.87	_________
TOTAL FIXED EXPENSES				302.19	_________

TOTAL SPECIFIED EXPENSES				1311.22	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-8.32	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year

Table 23.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					17.1791				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.50	Jul					
App by Air (3 gal)	appl					1.5000				
IncidentalPestTrt$15	acre					1.5000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1500.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.60	0.39	1.12	0.48

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 23.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	41.40					1.99	43.39		43.39
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	41.40					1.42	42.82		42.82
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	11.25					0.31	11.56		11.56
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	165.00					1.13	166.13		166.13
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		819.31	63.62	67.80	25.08	0.00	33.22	1009.03	302.19	1311.22

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3^{rd} year.
Lime cost prorated for application every 3^{rd} year.

Table 23.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1302.90
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	28.13	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	41.40	0.00	41.40	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	50.39	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	5.73	4.27	0.20	0.15	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	14.29	12.81	9.61	0.00	16.32
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.70	3.82	21.56	1.99	1.49	0.00	33.63
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.28	10.97	4.46	2.63	0.98	0.45	1.54
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	49.63	276.39	134.00	97.75	49.37	33.40	226.62
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-49.63	-276.39	-134.00	-97.75	-49.37	-33.40	1076.28
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-191.50	-467.89	-601.89	-699.64	-749.01	-782.41	293.87

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 23.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, cons. tillage, pivot irr.,
ThryvOn variety, 7.5 ac.-in., Delta Area, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PERCENT										
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	750.00	lb	-298	-271	-244	-217	-190	-163	-136	-109	-82	-55	-28
			-600	-573	-546	-519	-492	-465	-438	-411	-384	-357	-330
60	900.00	lb	-233	-201	-168	-136	-104	-71	-39	-6	25	57	90
			-535	-503	-471	-438	-406	-373	-341	-309	-276	-244	-211
70	1050.00	lb	-169	-131	-93	-55	-18	19	57	95	133	170	208
			-471	-433	-395	-358	-320	-282	-244	-206	-169	-131	-93
80	1200.00	lb	-104	-61	-18	24	67	111	154	197	240	283	327
			-407	-363	-320	-277	-234	-191	-147	-104	-61	-18	24
90	1350.00	lb	-40	8	56	105	153	202	251	299	348	396	445
			-342	-294	-245	-196	-148	-99	-51	-2	46	94	143
100	1500.00	lb	23	77	131	185	239	293	347	401	455	509	563
			-278	-224	-170	-116	-62	-8	45	99	153	207	261
110	1650.00	lb	88	147	207	266	325	385	444	504	563	622	682
			-213	-154	-95	-35	23	83	142	201	261	320	380
120	1800.00	lb	152	217	282	347	411	476	541	606	671	735	800
			-149	-84	-19	44	109	174	239	304	368	433	498
130	1950.00	lb	217	287	357	427	497	568	638	708	778	848	919
			-85	-14	55	125	195	265	336	406	476	546	616
140	2100.00	lb	281	357	432	508	583	659	735	810	886	961	1037
			-20	54	130	206	281	357	432	508	584	659	735
150	2250.00	lb	345	426	507	588	669	750	831	912	993	1074	1155
			43	124	205	286	367	448	529	610	691	772	853

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 24.A Estimated costs per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	________
App by Air (3 gal)	appl	7.50	5.2500	39.38	________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	________
Ethephon 6E	pt	4.76	2.3125	11.01	________
Tribufos 6lb	pt	14.70	0.5000	7.35	________
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	________
UAN (32%)	gal	2.41	25.4000	61.21	________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	________
Select Max	pt	15.01	1.0000	15.01	________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	________
Cotoran	pt	7.34	2.0000	14.68	________
Engenia	oz	1.06	25.6000	27.14	________
Dual Magnum	pt	10.11	2.0000	20.22	________
INSECTICIDES					
Bidrin 8EC	oz	1.60	5.2000	8.32	________
Centric 40WG	oz	7.29	2.0000	14.58	________
Diamond .83EC	oz	2.25	6.0000	13.50	________
Imidacloprid 4F	oz	0.48	2.0000	0.96	________
Acephate 90%	lb	6.75	1.5000	10.13	________
Bifenthrin	oz	0.48	12.8000	6.14	________
LambdaT	oz	2.10	1.0000	2.10	________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	________
Transform WG	oz	9.34	1.5000	14.01	________
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	48.0000	2.40	________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.2712	5.07	________
Self-Propelled	hour	18.69	0.2075	3.88	________
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	________
Self-Propelled	hour	9.06	0.1899	1.71	________
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	________
DIESEL FUEL					
Tractors	gal	2.86	4.1890	11.97	________
Self-Propelled	gal	2.86	4.8836	13.97	________
REPAIR & MAINTENANCE					
Implements	acre	7.72	1.0000	7.72	________
Tractors	acre	3.32	1.0000	3.32	________
Self-Propelled	acre	29.85	1.0000	29.85	________
INTEREST ON OP. CAP.	acre	28.64	1.0000	28.64	________
TOTAL DIRECT EXPENSES				867.67	________
FIXED EXPENSES					
Implements	acre	12.47	1.0000	12.47	________
Tractors	acre	25.71	1.0000	25.71	________
Self-Propelled	acre	145.02	1.0000	145.02	________
TOTAL FIXED EXPENSES				183.20	________
TOTAL SPECIFIED EXPENSES				1050.87	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 24.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_________
Cotton Seed	lb	0.11	1620.0000	178.20	_________

TOTAL INCOME				1042.32	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	132.00	1.0000	132.00	_________
FERTILIZERS	acre	101.85	1.0000	101.85	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	111.43	1.0000	111.43	_________
INSECTICIDES	acre	84.73	1.0000	84.73	_________
SEED/PLANTS	acre	163.80	1.0000	163.80	_________
GROWTH REGULATORS	acre	2.40	1.0000	2.40	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.2897	2.61	_________
OPERATOR LABOR	hour	18.69	0.4788	8.95	_________
UNALLOCATED LABOR	hour	18.71	0.3830	7.17	_________
DIESEL FUEL	gal	2.86	9.0726	25.94	_________
REPAIR & MAINTENANCE	acre	40.89	1.0000	40.89	_________
INTEREST ON OP. CAP.	acre	28.64	1.0000	28.64	_________

TOTAL DIRECT EXPENSES				867.67	_________
RETURNS ABOVE DIRECT EXPENSES				174.65	_________
TOTAL FIXED EXPENSES				183.20	_________

TOTAL SPECIFIED EXPENSES				1050.87	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-8.55	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 24.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
NT Plant-Folding	12R-38	MFWD 300	0.051	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					25.4000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	20'	MFWD 300	0.082	1.00	Oct		0.08	0.08	0.08	0.06
TOTALS							0.47	0.27	0.76	0.38

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 24.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
NT Plant-Folding	12R-38		2.28	2.82	2.21		0.30	7.61	10.19	17.80
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	61.21					2.10	63.31		63.31
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	20'		3.64	4.44	2.77		0.07	10.92	10.41	21.33
TOTALS		753.47	25.94	40.89	18.73	0.00	28.64	867.67	183.20	1050.87

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 24.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	---dollars---											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	61.21	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.00	0.00	4.48	4.12	0.00	0.00	0.00	10.13
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.00	0.00	4.94	4.68	0.00	0.00	0.00	16.32
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	4.17	3.09	0.00	0.00	0.00	33.63
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	1.93	0.00	10.94	4.17	1.90	0.75	0.45	1.32
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	36.99	0.00	275.55	125.29	70.77	37.89	33.40	193.40
NET INCOME	-94.38	0.00	0.00	0.00	-36.99	0.00	-275.55	-125.29	-70.77	-37.89	-33.40	848.92
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-131.37	-131.37	-406.92	-532.21	-602.98	-640.87	-674.27	174.65

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 24.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Delta Area, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-298	-277	-255	-234	-212	-190	-169	-147	-126	-104	-82
			-482	-460	-438	-417	-395	-374	-352	-330	-309	-287	-266
60	720.00	lb	-247	-221	-195	-169	-143	-117	-91	-65	-40	-14	11
			-430	-404	-378	-352	-326	-301	-275	-249	-223	-197	-171
70	840.00	lb	-195	-165	-135	-105	-74	-44	-14	15	46	76	106
			-379	-348	-318	-288	-258	-227	-197	-167	-137	-106	-76
80	960.00	lb	-144	-109	-75	-40	-6	28	62	97	132	166	201
			-327	-293	-258	-223	-189	-154	-120	-85	-51	-16	18
90	1080.00	lb	-92	-54	-15	23	62	101	140	179	218	257	295
			-276	-237	-198	-159	-120	-81	-42	-3	34	73	112
100	1200.00	lb	-41	1	45	88	131	174	217	261	304	347	390
			-224	-181	-138	-94	-51	-8	34	77	121	164	207
110	1320.00	lb	10	57	105	152	200	247	295	342	390	437	485
			-173	-125	-78	-30	17	64	112	159	207	254	302
120	1440.00	lb	61	113	165	217	269	320	372	424	476	528	580
			-121	-69	-17	33	85	137	189	241	293	345	396
130	1560.00	lb	113	169	225	281	337	394	450	506	562	618	674
			-70	-13	42	98	154	210	266	323	379	435	491
140	1680.00	lb	164	225	285	346	406	467	527	588	648	709	769
			-18	41	102	162	223	283	344	404	465	525	586
150	1800.00	lb	216	281	345	410	475	540	605	669	734	799	864
			33	97	162	227	292	357	421	486	551	616	681

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 25.A Estimated costs per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	2.5000	20.13	_________
App by Air (3 gal)	appl	7.50	5.2500	39.38	_________
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	811.0000	89.21	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	32.5498	78.45	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	0.6700	13.40	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Select Max	pt	15.01	1.0000	15.01	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Bidrin 8EC	oz	1.60	5.2000	8.32	_________
Centric 40WG	oz	7.29	1.3400	9.77	_________
Diamond .83EC	oz	2.25	6.0000	13.50	_________
Imidacloprid 4F	oz	0.48	2.0000	0.96	_________
Acephate 90%	lb	6.75	1.5000	10.13	_________
Bifenthrin	oz	0.48	12.8000	6.14	_________
LambdaT	oz	2.10	1.0000	2.10	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
Transform WG	oz	9.34	1.5000	14.01	_________
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	30.0000	109.20	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	42.7200	2.14	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.8159	15.25	_________
Self-Propelled	hour	18.69	0.1958	3.66	_________
HAND LABOR					
Implements	hour	9.06	0.3181	2.87	_________
Self-Propelled	hour	9.06	0.1840	1.66	_________
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_________
DIESEL FUEL					
Tractors	gal	2.86	12.6003	36.03	_________
Self-Propelled	gal	2.86	3.4035	9.74	_________
REPAIR & MAINTENANCE					
Implements	acre	14.66	1.0000	14.66	_________
Tractors	acre	10.00	1.0000	10.00	_________
Self-Propelled	acre	10.05	1.0000	10.05	_________
INTEREST ON OP. CAP.	acre	28.09	1.0000	28.09	_________
TOTAL DIRECT EXPENSES				808.79	_________
FIXED EXPENSES					
Implements	acre	28.17	1.0000	28.17	_________
Tractors	acre	77.32	1.0000	77.32	_________
Self-Propelled	acre	49.54	1.0000	49.54	_________
TOTAL FIXED EXPENSES				155.03	_________
TOTAL SPECIFIED EXPENSES				963.82	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 25.B Summary of estimated costs and returns per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	811.0000	584.00	_________
Cotton Seed	lb	0.11	1095.0000	120.45	_________

TOTAL INCOME				704.45	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	59.51	1.0000	59.51	_________
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	89.21	1.0000	89.21	_________
FERTILIZERS	acre	119.08	1.0000	119.08	_________
FUNGICIDES	acre	13.40	1.0000	13.40	_________
HERBICIDES	acre	111.43	1.0000	111.43	_________
INSECTICIDES	acre	79.92	1.0000	79.92	_________
SEED/PLANTS	acre	109.20	1.0000	109.20	_________
GROWTH REGULATORS	acre	2.14	1.0000	2.14	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.5022	4.53	_________
OPERATOR LABOR	hour	18.69	1.0118	18.91	_________
UNALLOCATED LABOR	hour	18.70	0.8094	15.14	_________
DIESEL FUEL	gal	2.86	16.0039	45.77	_________
REPAIR & MAINTENANCE	acre	34.71	1.0000	34.71	_________
INTEREST ON OP. CAP.	acre	28.09	1.0000	28.09	_________

TOTAL DIRECT EXPENSES				808.79	_________
RETURNS ABOVE DIRECT EXPENSES				-104.34	_________
TOTAL FIXED EXPENSES				155.03	_________

TOTAL SPECIFIED EXPENSES				963.82	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-259.37	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 25.C Estimated resource use for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	8R-38 2x1	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	8R-38 2x1	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
App by Air (5 gal)	appl			1.00	Mar	1.0000				
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Select Max	pt					1.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	8R-38 2x1	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed ThryvOn	thous					30.0000				
Cotton Seed Trt.	acre					0.6700				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38 2x1	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					16.2749				
Spray (Direct/Layby)	8R-38 2x1	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					1.3400				
Mepiquat Chloride	oz					10.7200				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Diamond .83EC	oz					6.0000				
Imidacloprid 4F	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Acephate 90%	lb					0.7500				
Mepiquat Chloride	oz					16.0000				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			0.25	Jul	0.2500				
LambdaT	oz					1.0000				
Bidrin 8EC	oz					2.0000				
Incidental Pest				1.00	Jul					
App by Air (3 gal)	appl					1.0000				
IncidentalPestTrt$15	acre					1.0000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Acephate 90%	lb					0.7500				
Bifenthrin	oz					6.4000				
App by Air (3 gal)	appl			1.00	Aug	1.0000				
Transform WG	oz					1.5000				
App by Air (5 gal)	appl			1.00	Sep	1.0000				
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
App by Air (5 gal)	appl			0.50	Sep	0.5000				
Ethephon 6E	pt					0.3125				
Tribufos 6lb	pt					0.5000				
Cotton Picker	4R2x1(350)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	4R2x1(350)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	811.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.01	0.81	1.51	0.80

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 25.D Estimated costs for field operations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

OPERATION/	SIZE/	DIRECT COST							FIXED	TOTAL
OPERATING INPUT	UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	COST	COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	8R-38 2x1		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	8R-38 2x1		1.09	1.00	0.83		0.24	3.16	4.66	7.82
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Select Max	pt	15.01					0.83	15.84		15.84
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.29	6.30	6.49	12.79
UAN (32%)	gal	39.22					1.89	41.11		41.11
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	8R-38 2x1		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed ThryvOn	thous	109.20					4.50	113.70		113.70
Cotton Seed Trt.	acre	13.40					0.55	13.95		13.95
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38 2x1		2.28	1.76	1.97		0.21	6.22	6.49	12.71
UAN (32%)	gal	39.22					1.35	40.57		40.57
Spray (Direct/Layby)	8R-38 2x1		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	9.77					0.34	10.11		10.11
Mepiquat Chloride	oz	0.54					0.02	0.56		0.56
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Diamond .83EC	oz	13.50					0.37	13.87		13.87
Imidacloprid 4F	oz	0.96					0.03	0.99		0.99
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
Acephate 90%	lb	5.06					0.14	5.20		5.20
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Bifenthrin	oz	3.07					0.08	3.15		3.15
App by Air (3 gal)	appl	1.88					0.05	1.93		1.93
LambdaT	oz	2.10					0.06	2.16		2.16
Bidrin 8EC	oz	3.20					0.09	3.29		3.29
Incidental Pest										
App by Air (3 gal)	appl	7.50					0.21	7.71		7.71
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Acephate 90%	lb	5.06					0.10	5.16		5.16
Bifenthrin	oz	3.07					0.06	3.13		3.13
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Transform WG	oz	14.01					0.29	14.30		14.30
App by Air (5 gal)	appl	8.05					0.11	8.16		8.16
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
App by Air (5 gal)	appl	4.03					0.06	4.09		4.09
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Cotton Picker	4R2x1(350)		8.88	9.61	7.36		0.18	26.03	46.02	72.05
Boll Buggy	4R2x1(350)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	4R2x1(350)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	89.21					0.61	89.82		89.82
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		661.64	45.77	34.71	38.58	0.00	28.09	808.79	155.03	963.82

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 25.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	704.45
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	0.00	24.38	15.00	12.08	0.00
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.21
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	39.22	0.00	39.22	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	13.40	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	26.35	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.89	42.89	22.14	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	109.20	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	1.60	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.00	1.97	4.39	5.37	0.00	0.00	0.00	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.00	2.28	4.85	6.22	0.00	0.00	0.00	28.96
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.00	1.76	3.82	4.10	0.00	0.00	0.00	21.42
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	1.93	2.18	8.38	3.39	1.90	0.75	0.45	1.13
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	36.99	47.41	211.26	101.25	70.77	37.89	33.40	164.94
NET INCOME	-104.88	0.00	0.00	0.00	-36.99	-47.41	-211.26	-101.25	-70.77	-37.89	-33.40	539.51
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-141.87	-189.28	-400.54	-501.79	-572.56	-610.45	-643.85	-104.34

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 25.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" 2X1 full-skip (8 rows planted)
Cons. till., ThryvOn variety, Delta, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PERCENT										
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	405.50	lb	-424	-409	-395	-380	-366	-351	-336	-322	-307	-293	-278
			-579	-564	-550	-535	-521	-506	-491	-477	-462	-448	-433
60	486.60	lb	-389	-372	-354	-337	-319	-302	-284	-266	-249	-231	-214
			-544	-527	-509	-492	-474	-457	-439	-422	-404	-386	-369
70	567.70	lb	-354	-334	-313	-293	-273	-252	-232	-211	-191	-170	-150
			-509	-489	-468	-448	-428	-407	-387	-366	-346	-325	-305
80	648.80	lb	-319	-296	-273	-249	-226	-203	-179	-156	-133	-109	-86
			-475	-451	-428	-404	-381	-358	-334	-311	-288	-264	-241
90	729.90	lb	-285	-258	-232	-206	-180	-153	-127	-101	-74	-48	-22
			-440	-413	-387	-361	-335	-308	-282	-256	-229	-203	-177
100	811.00	lb	-250	-221	-191	-162	-133	-104	-75	-45	-16	12	41
			-405	-376	-346	-317	-288	-259	-230	-200	-171	-142	-113
110	892.10	lb	-215	-183	-151	-119	-87	-54	-22	9	41	73	105
			-370	-338	-306	-274	-242	-209	-177	-145	-113	-81	-49
120	973.20	lb	-180	-145	-110	-75	-40	-5	29	64	99	134	169
			-335	-300	-265	-230	-195	-160	-125	-90	-55	-20	14
130	1054.30	lb	-145	-107	-69	-32	5	43	81	119	157	195	233
			-300	-262	-224	-187	-149	-111	-73	-35	2	40	78
140	1135.40	lb	-111	-70	-29	11	52	93	134	175	215	256	297
			-266	-225	-184	-143	-102	-61	-20	20	60	101	142
150	1216.50	lb	-76	-32	11	55	98	142	186	230	274	317	361
			-231	-187	-143	-99	-56	-12	31	75	119	162	206

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 26.A Estimated costs per acre
Cotton, 8R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	
Ethephon 6E	pt	4.76	2.3125	11.01	
Tribufos 6lb	pt	14.70	0.5000	7.35	
GINNING					
Gin & Haul	lb	0.11	1000.0000	110.00	
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	
UAN (32%)	gal	2.41	28.9332	69.73	
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	
Cotoran	pt	7.34	2.0000	14.68	
Engenia	oz	1.06	25.6000	27.14	
Dual Magnum	pt	10.11	2.0000	20.22	
INSECTICIDES					
Bidrin 8EC	oz	1.60	3.2000	5.12	
Centric 40WG	oz	7.29	2.0000	14.58	
Acephate 90%	lb	6.75	1.5000	10.13	
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	
OPERATOR LABOR					
Tractors	hour	18.69	0.9288	17.36	
Self-Propelled	hour	18.69	0.2721	5.09	
HAND LABOR					
Implements	hour	9.06	0.3579	3.24	
Self-Propelled	hour	9.06	0.2222	1.99	
UNALLOCATED LABOR	hour	18.72	0.9608	17.99	
DIESEL FUEL					
Tractors	gal	2.86	14.3433	41.03	
Self-Propelled	gal	2.86	4.4209	12.66	
REPAIR & MAINTENANCE					
Implements	acre	14.67	1.0000	14.67	
Tractors	acre	11.37	1.0000	11.37	
Self-Propelled	acre	14.39	1.0000	14.39	
INTEREST ON OP. CAP.	acre	27.98	1.0000	27.98	
TOTAL DIRECT EXPENSES				792.52	
FIXED EXPENSES					
Implements	acre	27.45	1.0000	27.45	
Tractors	acre	88.02	1.0000	88.02	
Self-Propelled	acre	74.91	1.0000	74.91	
TOTAL FIXED EXPENSES				190.38	
TOTAL SPECIFIED EXPENSES				982.90	

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 26.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_________
Cotton Seed	lb	0.11	1350.0000	148.50	_________

TOTAL INCOME				868.60	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	110.00	1.0000	110.00	_________
FERTILIZERS	acre	110.36	1.0000	110.36	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	96.42	1.0000	96.42	_________
INSECTICIDES	acre	44.82	1.0000	44.82	_________
SEED/PLANTS	acre	163.80	1.0000	163.80	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.5801	5.23	_________
OPERATOR LABOR	hour	18.69	1.2010	22.45	_________
UNALLOCATED LABOR	hour	18.72	0.9608	17.99	_________
DIESEL FUEL	gal	2.86	18.7642	53.69	_________
REPAIR & MAINTENANCE	acre	40.43	1.0000	40.43	_________
INTEREST ON OP. CAP.	acre	27.98	1.0000	27.98	_________

TOTAL DIRECT EXPENSES				792.52	_________
RETURNS ABOVE DIRECT EXPENSES				76.08	_________
TOTAL FIXED EXPENSES				190.38	_________

TOTAL SPECIFIED EXPENSES				982.90	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-114.30	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 26.C Estimated resource use for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	8R-38	MFWD 300	0.080	1.00	Nov		0.08	0.08	0.08	0.06
Bed/Disk (Hipper)Rd	8R-38	MFWD 300	0.074	0.50	Nov		0.03	0.03	0.03	0.02
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Apr		0.07	0.07	0.11	0.06
UAN (32%)	gal					14.4666				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
Plant - Folding	8R-38	MFWD 300	0.074	1.00	May		0.07	0.07	0.14	0.05
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.20	0.92	1.78	0.96

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 26.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	8R-38		3.57	3.06	2.72		0.77	10.12	12.27	22.39
Bed/Disk (Hipper)Rd	8R-38		1.64	0.76	1.24		0.30	3.94	4.54	8.48
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96		0.43	9.30	9.50	18.80
UAN (32%)	gal	34.86					1.68	36.54		36.54
Row Cond Rigid	26'		2.64	1.08	2.01		0.24	5.97	7.52	13.49
Plant - Folding	8R-38		3.29	2.94	3.18		0.39	9.80	11.97	21.77
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96		0.30	9.17	9.50	18.67
UAN (32%)	gal	34.86					1.20	36.06		36.06
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55		0.24	7.17	7.26	14.43
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36		0.20	29.09	59.95	89.04
Boll Buggy	6R-38(355)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	6R-38(355)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	110.00					0.76	110.76		110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		624.75	53.69	40.43	45.67	0.00	27.98	792.52	190.38	982.90

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 26.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	868.60
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	3.96	0.00	0.00	0.00	0.45	2.96	6.09	5.96	0.90	0.45	0.68	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.21	0.00	0.00	0.00	0.43	3.43	6.79	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	3.82	0.00	0.00	0.00	0.22	2.48	4.46	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	8.25	0.00	0.00	0.00	0.72	2.11	11.10	3.44	0.63	0.12	0.31	1.30
TOTAL DIRECT EXPENSES	108.44	0.00	0.00	0.00	13.82	45.84	279.46	103.22	23.69	6.28	22.83	188.94
NET INCOME	-108.44	0.00	0.00	0.00	-13.82	-45.84	-279.46	-103.22	-23.69	-6.28	-22.83	679.66
NET INCOME TO DATE	-108.44	-108.44	-108.44	-108.44	-122.26	-168.10	-447.56	-550.78	-574.47	-580.75	-603.58	76.08

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 26.F Estimated returns for various price/yield combinations, per acre
Cotton, 8R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	500.00	lb	-318	-300	-282	-264	-246	-228	-210	-192	-174	-156	-138
			-508	-490	-472	-454	-436	-418	-400	-382	-364	-346	-328
60	600.00	lb	-275	-254	-232	-210	-189	-167	-146	-124	-102	-81	-59
			-466	-444	-422	-401	-379	-358	-336	-314	-293	-271	-250
70	700.00	lb	-232	-207	-182	-157	-131	-106	-81	-56	-31	-5	19
			-423	-397	-372	-347	-322	-297	-271	-246	-221	-196	-171
80	800.00	lb	-189	-161	-132	-103	-74	-45	-16	11	40	69	98
			-380	-351	-322	-293	-264	-236	-207	-178	-149	-120	-92
90	900.00	lb	-146	-114	-82	-49	-17	15	47	79	112	144	177
			-337	-304	-272	-240	-207	-175	-142	-110	-78	-45	-13
100	1000.00	lb	-103	-67	-31	4	40	76	112	148	184	220	256
			-294	-258	-222	-186	-150	-114	-78	-42	-6	29	65
110	1100.00	lb	-61	-21	18	57	97	137	176	216	255	295	335
			-251	-211	-172	-132	-92	-53	-13	25	65	105	144
120	1200.00	lb	-18	25	68	111	154	197	241	284	327	370	413
			-208	-165	-122	-78	-35	7	50	93	137	180	223
130	1300.00	lb	24	71	118	165	212	258	305	352	399	446	492
			-165	-118	-71	-25	21	68	115	162	208	255	302
140	1400.00	lb	67	118	168	219	269	319	370	420	471	521	571
			-122	-72	-21	28	79	129	179	230	280	331	381
150	1500.00	lb	110	164	218	272	326	380	434	488	542	596	650
			-79	-25	28	82	136	190	244	298	352	406	460

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 27.A Estimated costs per acre
Cotton, 8R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	900.0000	99.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	18.4000	44.34	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
Acephate 90%	lb	6.75	1.5000	10.13	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.7365	13.77	_________
Self-Propelled	hour	18.69	0.2721	5.09	_________
HAND LABOR					
Implements	hour	9.06	0.3222	2.91	_________
Self-Propelled	hour	9.06	0.2222	1.99	_________
UNALLOCATED LABOR	hour	18.73	0.8069	15.12	_________
DIESEL FUEL					
Tractors	gal	2.86	11.3731	32.53	_________
Self-Propelled	gal	2.86	4.4209	12.66	_________
REPAIR & MAINTENANCE					
Implements	acre	11.09	1.0000	11.09	_________
Tractors	acre	9.02	1.0000	9.02	_________
Self-Propelled	acre	14.39	1.0000	14.39	_________
INTEREST ON OP. CAP.	acre	25.06	1.0000	25.06	_________

TOTAL DIRECT EXPENSES				732.00	_________
FIXED EXPENSES					
Implements	acre	20.44	1.0000	20.44	_________
Tractors	acre	69.80	1.0000	69.80	_________
Self-Propelled	acre	74.91	1.0000	74.91	_________

TOTAL FIXED EXPENSES				165.15	_________

TOTAL SPECIFIED EXPENSES				897.15	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 27.B Summary of estimated costs and returns per acre
Cotton, 8R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	_________
Cotton Seed	lb	0.11	1215.0000	133.65	_________

TOTAL INCOME				781.74	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	99.00	1.0000	99.00	_________
FERTILIZERS	acre	84.98	1.0000	84.98	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	96.42	1.0000	96.42	_________
INSECTICIDES	acre	44.82	1.0000	44.82	_________
SEED/PLANTS	acre	163.80	1.0000	163.80	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.5444	4.90	_________
OPERATOR LABOR	hour	18.69	1.0087	18.86	_________
UNALLOCATED LABOR	hour	18.73	0.8069	15.12	_________
DIESEL FUEL	gal	2.86	15.7941	45.19	_________
REPAIR & MAINTENANCE	acre	34.50	1.0000	34.50	_________
INTEREST ON OP. CAP.	acre	25.06	1.0000	25.06	_________

TOTAL DIRECT EXPENSES				732.00	_________
RETURNS ABOVE DIRECT EXPENSES				49.74	_________
TOTAL FIXED EXPENSES				165.15	_________

TOTAL SPECIFIED EXPENSES				897.15	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-115.41	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 27.C Estimated resource use for field operations, per acre
Cotton, 8R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Row Cond Rigid	26'	MFWD 300	0.059	1.00	May		0.05	0.05	0.05	0.04
NT Plant-Folding	8R-38	MFWD 300	0.077	1.00	May		0.07	0.07	0.15	0.06
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	8R-38	MFWD 300	0.077	1.00	Jun		0.07	0.07	0.11	0.06
UAN (32%)	gal					18.4000				
Spray (Direct/Layby)	8R-38	MFWD 300	0.066	1.00	Jun		0.06	0.06	0.10	0.05
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker	6R-38(355)		0.172	1.00	Oct			0.17	0.34	0.13
Boll Buggy	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.17	0.13
Module Builder	6R-38(355)	MFWD 300	0.172	1.00	Oct		0.17	0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							1.00	0.73	1.55	0.80

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 27.D Estimated costs for field operations, per acre
Cotton, 8R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Rigid	26'		2.64	1.08	2.01		0.24	5.97	7.52	13.49
NT Plant-Folding	8R-38		3.43	3.31	3.31		0.41	10.46	13.05	23.51
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	8R-38		3.43	2.48	2.96		0.30	9.17	9.50	18.67
UAN (32%)	gal	44.34					1.52	45.86		45.86
Spray (Direct/Layby)	8R-38		2.95	1.43	2.55		0.24	7.17	7.26	14.43
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker	6R-38(355)		9.01	12.52	7.36		0.20	29.09	59.95	89.04
Boll Buggy	6R-38(355)		7.61	3.42	5.80		0.12	16.95	19.71	36.66
Module Builder	6R-38(355)		7.61	3.60	7.36		0.13	18.70	20.18	38.88
Gin & Haul	lb	99.00					0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		588.37	45.19	34.50	38.88	0.00	25.06	732.00	165.15	897.15

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 27.E Estimated monthly income and expense flows per acre
Cotton, 8R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	781.74
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.45	0.00	6.22	5.96	0.90	0.45	0.68	24.22
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.43	0.00	6.93	6.81	0.86	0.43	0.64	29.09
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.83	4.13	0.44	0.22	0.33	24.33
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	11.12	3.76	0.63	0.12	0.31	1.22
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	280.12	113.02	23.69	6.28	22.83	177.86
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-280.12	-113.02	-23.69	-6.28	-22.83	603.88
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-388.32	-501.34	-525.03	-531.31	-554.14	49.74

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 27.F Estimated returns for various price/yield combinations, per acre
Cotton, 8R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-305	-289	-273	-256	-240	-224	-208	-192	-175	-159	-143
			-470	-454	-438	-422	-405	-389	-373	-357	-341	-324	-308
60	540.00	lb	-266	-247	-227	-208	-189	-169	-150	-130	-111	-91	-72
			-431	-412	-393	-373	-354	-334	-315	-295	-276	-257	-237
70	630.00	lb	-228	-205	-182	-160	-137	-114	-92	-69	-46	-24	-1
			-393	-370	-347	-325	-302	-279	-257	-234	-211	-189	-166
80	720.00	lb	-189	-163	-137	-111	-85	-59	-34	-8	17	43	69
			-354	-328	-302	-276	-251	-225	-199	-173	-147	-121	-95
90	810.00	lb	-150	-121	-92	-63	-34	-5	24	53	82	111	140
			-316	-286	-257	-228	-199	-170	-141	-111	-82	-53	-24
100	900.00	lb	-112	-79	-47	-15	17	49	82	114	146	179	211
			-277	-245	-212	-180	-147	-115	-83	-50	-18	14	46
110	990.00	lb	-73	-37	-2	33	68	104	140	175	211	247	282
			-238	-203	-167	-131	-96	-60	-24	10	46	82	117
120	1080.00	lb	-35	3	42	81	120	159	198	237	276	314	353
			-200	-161	-122	-83	-44	-5	33	72	110	149	188
130	1170.00	lb	3	45	87	130	172	214	256	298	340	382	424
			-161	-119	-77	-35	6	49	91	133	175	217	259
140	1260.00	lb	42	87	133	178	223	269	314	359	405	450	495
			-122	-77	-32	13	58	103	149	194	240	285	330
150	1350.00	lb	80	129	178	226	275	323	372	421	469	518	566
			-84	-35	12	61	110	158	207	256	304	353	401

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 28.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	________
Ethephon 6E	pt	4.76	2.3125	11.01	________
Tribufos 6lb	pt	14.70	0.5000	7.35	________
GINNING					
Gin & Haul	lb	0.11	1000.0000	110.00	________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	________
UAN (32%)	gal	2.41	28.9332	69.73	________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	________
Cotoran	pt	7.34	2.0000	14.68	________
Engenia	oz	1.06	25.6000	27.14	________
Dual Magnum	pt	10.11	2.0000	20.22	________
INSECTICIDES					
Bidrin 8EC	oz	1.60	3.2000	5.12	________
Centric 40WG	oz	7.29	2.0000	14.58	________
Acephate 90%	lb	6.75	1.5000	10.13	________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	________
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.4268	7.98	________
Self-Propelled	hour	18.69	0.2721	5.09	________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	________
Self-Propelled	hour	9.06	0.2222	1.99	________
UNALLOCATED LABOR	hour	18.74	0.5592	10.48	________
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	________
Self-Propelled	gal	2.86	5.7068	16.33	________
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	________
Tractors	acre	5.23	1.0000	5.23	________
Self-Propelled	acre	31.06	1.0000	31.06	________
INTEREST ON OP. CAP.	acre	27.11	1.0000	27.11	________
TOTAL DIRECT EXPENSES				761.09	________
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	________
Tractors	acre	40.44	1.0000	40.44	________
Self-Propelled	acre	154.70	1.0000	154.70	________
TOTAL FIXED EXPENSES				214.98	________
TOTAL SPECIFIED EXPENSES				976.07	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 28.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1000.0000	720.10	_________
Cotton Seed	lb	0.11	1350.0000	148.50	_________

TOTAL INCOME				868.60	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	110.00	1.0000	110.00	_________
FERTILIZERS	acre	110.36	1.0000	110.36	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	96.42	1.0000	96.42	_________
INSECTICIDES	acre	44.82	1.0000	44.82	_________
SEED/PLANTS	acre	163.80	1.0000	163.80	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3458	3.10	_________
OPERATOR LABOR	hour	18.69	0.6990	13.07	_________
UNALLOCATED LABOR	hour	18.74	0.5592	10.48	_________
DIESEL FUEL	gal	2.86	12.2980	35.17	_________
REPAIR & MAINTENANCE	acre	47.41	1.0000	47.41	_________
INTEREST ON OP. CAP.	acre	27.11	1.0000	27.11	_________

TOTAL DIRECT EXPENSES				761.09	_________
RETURNS ABOVE DIRECT EXPENSES				107.51	_________
TOTAL FIXED EXPENSES				214.98	_________

TOTAL SPECIFIED EXPENSES				976.07	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-107.47	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 28.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1000.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							0.69	0.42	1.04	0.55

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 28.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	34.86					1.68	36.54		36.54
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	34.86					1.20	36.06		36.06
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	110.00					0.76	110.76		110.76
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		624.75	35.17	47.41	26.65	0.00	27.11	761.09	214.98	976.07

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 28.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	868.60
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.45	1.97	4.39	4.12	0.90	0.45	0.68	11.06
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.43	2.28	4.85	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.92	3.27	0.63	0.12	0.31	1.19
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	275.00	98.04	23.69	6.28	22.83	173.77
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-275.00	-98.04	-23.69	-6.28	-22.83	694.83
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-436.48	-534.52	-558.21	-564.49	-587.32	107.51

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 28.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, Non-Delta Area, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	500.00	lb	-287	-269	-251	-233	-215	-197	-179	-161	-143	-125	-107
			-502	-484	-466	-448	-430	-412	-394	-376	-358	-340	-322
60	600.00	lb	-244	-222	-201	-179	-157	-136	-114	-93	-71	-49	-28
			-459	-437	-416	-394	-372	-351	-329	-308	-286	-264	-243
70	700.00	lb	-201	-176	-150	-125	-100	-75	-50	-24	0	25	50
			-416	-391	-365	-340	-315	-290	-265	-239	-214	-189	-164
80	800.00	lb	-158	-129	-100	-71	-43	-14	14	43	72	100	129
			-373	-344	-315	-286	-258	-229	-200	-171	-142	-114	-85
90	900.00	lb	-115	-83	-50	-18	14	46	78	111	143	176	208
			-330	-298	-265	-233	-200	-168	-136	-103	-71	-38	-6
100	1000.00	lb	-72	-36	-0	35	71	107	143	179	215	251	287
			-287	-251	-215	-179	-143	-107	-71	-35	0	36	72
110	1100.00	lb	-29	10	49	89	128	168	208	247	287	326	366
			-244	-204	-165	-125	-86	-46	-6	32	72	111	151
120	1200.00	lb	13	56	99	142	186	229	272	315	358	402	445
			-201	-158	-115	-72	-28	14	57	100	144	187	230
130	1300.00	lb	56	103	149	196	243	290	337	383	430	477	524
			-158	-111	-65	-18	28	75	122	168	215	262	309
140	1400.00	lb	99	149	200	250	300	351	401	452	502	552	603
			-115	-65	-14	35	85	136	186	237	287	337	388
150	1500.00	lb	142	196	250	304	358	412	466	520	574	628	682
			-72	-18	35	89	143	197	251	305	359	413	467

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 29.A Estimated costs per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	900.0000	99.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	18.4000	44.34	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
Acephate 90%	lb	6.75	1.5000	10.13	_________
IncidentalPestTrt$15	acre	15.00	1.0000	15.00	_________
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.2987	5.59	_________
Self-Propelled	hour	18.69	0.2721	5.09	_________
HAND LABOR					
Implements	hour	9.06	0.0998	0.90	_________
Self-Propelled	hour	9.06	0.2222	1.99	_________
UNALLOCATED LABOR	hour	18.76	0.4567	8.57	_________
DIESEL FUEL					
Tractors	gal	2.86	4.6137	13.19	_________
Self-Propelled	gal	2.86	5.7068	16.33	_________
REPAIR & MAINTENANCE					
Implements	acre	7.73	1.0000	7.73	_________
Tractors	acre	3.66	1.0000	3.66	_________
Self-Propelled	acre	31.06	1.0000	31.06	_________
INTEREST ON OP. CAP.	acre	24.60	1.0000	24.60	_________

TOTAL DIRECT EXPENSES				707.08	_________
FIXED EXPENSES					
Implements	acre	12.48	1.0000	12.48	_________
Tractors	acre	28.31	1.0000	28.31	_________
Self-Propelled	acre	154.70	1.0000	154.70	_________

TOTAL FIXED EXPENSES				195.49	_________

TOTAL SPECIFIED EXPENSES				902.57	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 29.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	900.0000	648.09	_________
Cotton Seed	lb	0.11	1215.0000	133.65	_________

TOTAL INCOME				781.74	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	99.00	1.0000	99.00	_________
FERTILIZERS	acre	84.98	1.0000	84.98	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	96.42	1.0000	96.42	_________
INSECTICIDES	acre	44.82	1.0000	44.82	_________
SEED/PLANTS	acre	163.80	1.0000	163.80	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3220	2.89	_________
OPERATOR LABOR	hour	18.69	0.5709	10.68	_________
UNALLOCATED LABOR	hour	18.76	0.4567	8.57	_________
DIESEL FUEL	gal	2.86	10.3205	29.52	_________
REPAIR & MAINTENANCE	acre	42.45	1.0000	42.45	_________
INTEREST ON OP. CAP.	acre	24.60	1.0000	24.60	_________

TOTAL DIRECT EXPENSES				707.08	_________
RETURNS ABOVE DIRECT EXPENSES				74.66	_________
TOTAL FIXED EXPENSES				195.49	_________

TOTAL SPECIFIED EXPENSES				902.57	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-120.83	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 29.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
NT Plant-Folding	12R-38	MFWD 300	0.051	1.00	May		0.05	0.05	0.10	0.04
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					18.4000				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.00	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.01	0.00
IncidentalPestTrt$15	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	900.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
TOTALS							0.57	0.29	0.89	0.45

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 29.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
NT Plant-Folding	12R-38		2.28	2.82	2.21		0.30	7.61	10.19	17.80
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	44.34					1.52	45.86		45.86
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
IncidentalPestTrt$15	acre	15.00					0.41	15.41		15.41
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	99.00					0.68	99.68		99.68
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
TOTALS		588.37	29.52	42.45	22.14	0.00	24.60	707.08	195.49	902.57

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 29.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	781.74
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	0.00	0.00	44.34	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	20.06	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	0.00	0.00	0.00	0.00	0.45	0.00	4.48	4.12	0.90	0.45	0.68	11.06
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	0.00	0.00	0.00	0.00	0.43	0.00	4.94	4.68	0.86	0.43	0.64	17.54
REPAIR & MAINTENANCE	0.00	0.00	0.00	0.00	0.22	0.00	4.17	3.09	0.44	0.22	0.33	33.98
INTEREST ON OP. CAP.	7.18	0.00	0.00	0.00	0.72	0.00	10.94	3.59	0.63	0.12	0.31	1.11
TOTAL DIRECT EXPENSES	94.38	0.00	0.00	0.00	13.82	0.00	275.55	107.84	23.69	6.28	22.83	162.69
NET INCOME	-94.38	0.00	0.00	0.00	-13.82	0.00	-275.55	-107.84	-23.69	-6.28	-22.83	619.05
NET INCOME TO DATE	-94.38	-94.38	-94.38	-94.38	-108.20	-108.20	-383.75	-491.59	-515.28	-521.56	-544.39	74.66

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 29.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, no-till
ThryvOn variety, Non-Delta Area, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	450.00	lb	-280	-264	-248	-231	-215	-199	-183	-167	-150	-134	-118
			-476	-459	-443	-427	-411	-395	-378	-362	-346	-330	-314
60	540.00	lb	-241	-222	-203	-183	-164	-144	-125	-105	-86	-66	-47
			-437	-417	-398	-379	-359	-340	-320	-301	-281	-262	-242
70	630.00	lb	-203	-180	-157	-135	-112	-89	-67	-44	-21	0	23
			-398	-376	-353	-330	-308	-285	-262	-239	-217	-194	-171
80	720.00	lb	-164	-138	-112	-86	-60	-35	-9	16	42	68	94
			-360	-334	-308	-282	-256	-230	-204	-178	-152	-126	-100
90	810.00	lb	-126	-96	-67	-38	-9	19	48	78	107	136	165
			-321	-292	-263	-233	-204	-175	-146	-117	-88	-59	-29
100	900.00	lb	-87	-54	-22	9	42	74	107	139	171	204	236
			-282	-250	-218	-185	-153	-120	-88	-56	-23	8	41
110	990.00	lb	-48	-13	22	58	93	129	165	200	236	272	307
			-244	-208	-172	-137	-101	-65	-30	5	40	76	112
120	1080.00	lb	-10	28	67	106	145	184	223	262	300	339	378
			-205	-166	-127	-88	-50	-11	27	66	105	144	183
130	1170.00	lb	28	70	112	154	197	239	281	323	365	407	449
			-166	-124	-82	-40	1	43	85	127	170	212	254
140	1260.00	lb	67	112	157	203	248	294	339	384	430	475	520
			-128	-82	-37	7	53	98	143	189	234	279	325
150	1350.00	lb	105	154	203	251	300	348	397	446	494	543	591
			-89	-41	7	56	104	153	201	250	299	347	396

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.
Note: Cost of production estimates are based on 2024 input prices.

Table 30.A Estimated costs per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi,2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
HARVEST AIDS					
Thidiazuron 4lb	oz	1.09	2.3000	2.51	_________
Ethephon 6E	pt	4.76	2.3125	11.01	_________
Tribufos 6lb	pt	14.70	0.5000	7.35	_________
GINNING					
Gin & Haul	lb	0.11	1200.0000	132.00	_________
FERTILIZERS					
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
UAN (32%)	gal	2.41	28.9332	69.73	_________
FUNGICIDES					
Cotton Seed Trt.	acre	20.00	1.0000	20.00	_________
HERBICIDES					
Clarity	pt	15.00	0.5000	7.50	_________
Glyphosate 3lbs a.e	oz	0.12	96.0000	11.52	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Cotoran	pt	7.34	2.0000	14.68	_________
Engenia	oz	1.06	25.6000	27.14	_________
Dual Magnum	pt	10.11	2.0000	20.22	_________
INSECTICIDES					
Bidrin 8EC	oz	1.60	3.2000	5.12	_________
Centric 40WG	oz	7.29	2.0000	14.58	_________
Acephate 90%	lb	6.75	1.5000	10.13	_________
IncidentalPestTrt$15	acre	15.00	1.5000	22.50	_________
SEED/PLANTS					
Cotton Seed ThryvOn	thous	3.64	45.0000	163.80	_________
GROWTH REGULATORS					
Mepiquat Chloride	oz	0.05	32.0000	1.60	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERTILIZE					
Custom Apply Fert	acre	9.00	1.0000	9.00	_________
ERADICATION FEE					
Eradication	acre	1.00	1.0000	1.00	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.6660	34.23	_________
CROP CONSULTANT					
Cotton Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4268	7.98	_________
Self-Propelled	hour	18.69	0.2780	5.20	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	0.2036	1.84	_________
HAND LABOR					
Implements	hour	9.06	0.1235	1.11	_________
Self-Propelled	hour	9.06	0.2251	2.02	_________
UNALLOCATED LABOR	hour	18.72	0.5639	10.56	_________
DIESEL FUEL					
Tractors	gal	2.86	6.5911	18.84	_________
Self-Propelled	gal	2.86	5.7817	16.54	_________
1/4-mi. Pivot Irr.	gal	2.86	11.2011	32.03	_________
REPAIR & MAINTENANCE					
Implements	acre	11.12	1.0000	11.12	_________
Tractors	acre	5.23	1.0000	5.23	_________
Self-Propelled	acre	31.17	1.0000	31.17	_________
1/4-mi. Pivot Irr.	acre	21.95	1.0000	21.95	_________
INTEREST ON OP. CAP.	acre	29.16	1.0000	29.16	_________
TOTAL DIRECT EXPENSES				849.00	_________
FIXED EXPENSES					
Implements	acre	19.84	1.0000	19.84	_________
Tractors	acre	40.44	1.0000	40.44	_________
Self-Propelled	acre	155.58	1.0000	155.58	_________
1/4-mi. Pivot Irr.	acre	99.50	1.0000	99.50	_________
TOTAL FIXED EXPENSES				315.36	_________
TOTAL SPECIFIED EXPENSES				1164.36	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 30.B Summary of estimated costs and returns per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Cotton Lint	lb	0.72	1200.0000	864.12	_________
Cotton Seed	lb	0.11	1620.0000	178.20	_________

TOTAL INCOME				1042.32	_________
DIRECT EXPENSES					
HARVEST AIDS	acre	20.87	1.0000	20.87	_________
GINNING	acre	132.00	1.0000	132.00	_________
FERTILIZERS	acre	110.36	1.0000	110.36	_________
FUNGICIDES	acre	20.00	1.0000	20.00	_________
HERBICIDES	acre	96.42	1.0000	96.42	_________
INSECTICIDES	acre	52.32	1.0000	52.32	_________
SEED/PLANTS	acre	163.80	1.0000	163.80	_________
GROWTH REGULATORS	acre	1.60	1.0000	1.60	_________
ADJUVANTS	acre	1.32	1.0000	1.32	_________
CUSTOM FERTILIZE	acre	9.00	1.0000	9.00	_________
ERADICATION FEE	acre	1.00	1.0000	1.00	_________
CUSTOM LIME	acre	34.23	1.0000	34.23	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3487	3.13	_________
IRRIGATE LABOR	hour	9.06	0.2036	1.84	_________
OPERATOR LABOR	hour	18.69	0.7049	13.18	_________
UNALLOCATED LABOR	hour	18.72	0.5639	10.56	_________
DIESEL FUEL	gal	2.86	23.5740	67.41	_________
REPAIR & MAINTENANCE	acre	69.47	1.0000	69.47	_________
INTEREST ON OP. CAP.	acre	29.16	1.0000	29.16	_________

TOTAL DIRECT EXPENSES				849.00	_________
RETURNS ABOVE DIRECT EXPENSES				193.32	_________
TOTAL FIXED EXPENSES				315.36	_________

TOTAL SPECIFIED EXPENSES				1164.36	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-122.04	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 30.C Estimated resource use for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Nov	0.3330				
Lime (Spread)	ton			0.33	Nov	0.6660				
Custom Apply Fert	acre			1.00	Nov	1.0000				
Potash (60% K2O)	cwt					1.5000				
Bed-Subsoil Fold	12R-38	MFWD 300	0.053	1.00	Nov		0.05	0.05	0.05	0.04
Bed/Disk (Hipper)	12R-38	MFWD 300	0.049	0.50	Nov		0.02	0.02	0.02	0.01
Sprayer 600-825gal	90' 250hp		0.011	1.00	Mar			0.01	0.01	0.00
Clarity	pt					0.5000				
Glyphosate 3lbs a.e	oz					32.0000				
Surfactant	pt					0.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Apr		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Row Cond Folding	38'	MFWD 300	0.040	1.00	May		0.04	0.04	0.04	0.03
Plant - Folding	12R-38	MFWD 300	0.049	1.00	May		0.04	0.04	0.09	0.03
Cotton Seed ThryvOn	thous					45.0000				
Cotton Seed Trt.	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Gramoxone SL 2.0	oz					48.0000				
Cotoran	pt					2.0000				
Surfactant	pt					0.2000				
Cotton Consultant	acre			1.00	May	1.0000				
Eradication	acre					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	May			0.01	0.01	0.00
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jun			0.01	0.01	0.00
Bidrin 8EC	oz					3.2000				
Fert Appl (Liquid)	12R-38	MFWD 300	0.051	1.00	Jun		0.05	0.05	0.07	0.04
UAN (32%)	gal					14.4666				
Spray (Direct/Layby)	12R-38	MFWD 300	0.044	1.00	Jun		0.04	0.04	0.06	0.03
Engenia	oz					12.8000				
Glyphosate 3lbs a.e	oz					32.0000				
Dual Magnum	pt					1.0000				
Centric 40WG	oz					2.0000				
Mepiquat Chloride	oz					16.0000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Jul			0.01	0.01	0.00
Mepiquat Chloride	oz					16.0000				
Acephate 90%	lb					0.7500				
Incidental Pest				1.50	Jul					
Sprayer 600-825gal	90' 250hp		0.011					0.01	0.02	0.01
IncidentalPestTrt$15	acre					1.5000				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Aug			0.01	0.01	0.00
Acephate 90%	lb					0.7500				
Sprayer 600-825gal	90' 250hp		0.011	1.00	Sep			0.01	0.01	0.00
Thidiazuron 4lb	oz					2.3000				
Ethephon 6E	pt					2.0000				
Sprayer 600-825gal	90' 250hp		0.011	0.50	Sep			0.00	0.00	0.00
Tribufos 6lb	pt					0.5000				
Ethephon 6E	pt					0.3125				
Cotton Picker/Module	6R-38(500)		0.172	1.00	Oct			0.17	0.34	0.13
Gin & Haul	lb			1.00	Oct	1200.0000				
Stalk Shredder-Flail	15'	MFWD 300	0.110	1.00	Oct		0.11	0.11	0.11	0.08
1/4-mi. Pivot Irr.	acre				Jan	1.0000			0.20	
TOTALS							0.70	0.42	1.25	0.56

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 30.D Estimated costs for field operations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST: OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Lime (Spread)	ton	34.23					2.82	37.05		37.05
Custom Apply Fert	acre	9.00					0.74	9.74		9.74
Potash (60% K2O)	cwt	40.64					3.35	43.99		43.99
Bed-Subsoil Fold	12R-38		2.37	2.61	1.80		0.56	7.34	9.43	16.77
Bed/Disk (Hipper)	12R-38		1.09	1.00	0.83		0.24	3.16	4.66	7.82
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.06	1.16	1.76	2.92
Clarity	pt	7.50					0.41	7.91		7.91
Glyphosate 3lbs a.e	oz	3.84					0.21	4.05		4.05
Surfactant	pt	0.66					0.04	0.70		0.70
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.29	6.24	6.40	12.64
UAN (32%)	gal	34.86					1.68	36.54		36.54
Row Cond Folding	38'		1.80	0.91	1.37		0.17	4.25	6.04	10.29
Plant - Folding	12R-38		2.19	2.47	2.12		0.28	7.06	9.19	16.25
Cotton Seed ThryvOn	thous	163.80					6.76	170.56		170.56
Cotton Seed Trt.	acre	20.00					0.83	20.83		20.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Gramoxone SL 2.0	oz	15.36					0.63	15.99		15.99
Cotoran	pt	14.68					0.61	15.29		15.29
Surfactant	pt	0.66					0.03	0.69		0.69
Cotton Consultant	acre	8.00					0.33	8.33		8.33
Eradication	acre	1.00					0.04	1.04		1.04
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.05	1.15	1.76	2.91
Engenia	oz	13.57					0.56	14.13		14.13
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Dual Magnum	pt	10.11					0.42	10.53		10.53
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.04	1.14	1.76	2.90
Bidrin 8EC	oz	5.12					0.18	5.30		5.30
Fert Appl (Liquid)	12R-38		2.28	1.70	1.97		0.20	6.15	6.40	12.55
UAN (32%)	gal	34.86					1.20	36.06		36.06
Spray (Direct/Layby)	12R-38		1.97	1.17	1.70		0.17	5.01	5.14	10.15
Engenia	oz	13.57					0.47	14.04		14.04
Glyphosate 3lbs a.e	oz	3.84					0.13	3.97		3.97
Dual Magnum	pt	10.11					0.35	10.46		10.46
Centric 40WG	oz	14.58					0.50	15.08		15.08
Mepiquat Chloride	oz	0.80					0.03	0.83		0.83
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.03	1.13	1.76	2.89
Mepiquat Chloride	oz	0.80					0.02	0.82		0.82
Acephate 90%	lb	5.06					0.14	5.20		5.20
Incidental Pest										
Sprayer 600-825gal	90' 250hp		0.64	0.33	0.67		0.05	1.69	2.64	4.33
IncidentalPestTrt$15	acre	22.50					0.62	23.12		23.12
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Acephate 90%	lb	5.06					0.10	5.16		5.16
Sprayer 600-825gal	90' 250hp		0.43	0.22	0.45		0.02	1.12	1.76	2.88
Thidiazuron 4lb	oz	2.51					0.03	2.54		2.54
Ethephon 6E	pt	9.52					0.13	9.65		9.65
Sprayer 600-825gal	90' 250hp		0.21	0.11	0.23		0.01	0.56	0.88	1.44
Tribufos 6lb	pt	7.35					0.10	7.45		7.45
Ethephon 6E	pt	1.49					0.02	1.51		1.51
Cotton Picker/Module	6R-38(500)		12.68	29.19	7.36		0.34	49.57	139.74	189.31
Gin & Haul	lb	132.00					0.91	132.91		132.91
Stalk Shredder-Flail	15'		4.86	4.79	3.70		0.09	13.44	13.02	26.46
1/4-mi. Pivot Irr.	acre		32.03	21.95	1.84		1.67	57.49	99.50	156.99
TOTALS		654.25	67.41	69.47	28.71	0.00	29.16	849.00	315.36	1164.36

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.

Table 30.E Estimated monthly income and expense flows per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

ITEM	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1042.32
DIRECT EXPENSES												
HARVEST AIDS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.00
FERTILIZERS	40.64	0.00	0.00	0.00	0.00	34.86	0.00	34.86	0.00	0.00	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	11.34	0.00	57.56	27.52	0.00	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70	27.56	5.06	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	163.80	0.00	0.00	0.00	0.00	0.00
GROWTH REGULATORS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.80	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00
CUSTOM FERTILIZE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERADICATION FEE	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
CUSTOM LIME	34.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	2.63	0.00	0.00	0.00	0.45	1.97	5.73	4.27	1.32	0.60	0.68	11.06
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	3.46	0.00	0.00	0.00	0.43	2.28	4.85	14.29	13.88	10.04	0.64	17.54
REPAIR & MAINTENANCE	3.61	0.00	0.00	0.00	0.22	1.70	3.82	21.56	2.54	1.71	0.33	33.98
INTEREST ON OP. CAP.	7.98	0.00	0.00	0.00	0.72	1.97	10.97	4.24	1.28	0.35	0.31	1.34
TOTAL DIRECT EXPENSES	104.88	0.00	0.00	0.00	13.82	42.78	276.39	127.24	47.38	17.76	22.83	195.92
NET INCOME	-104.88	0.00	0.00	0.00	-13.82	-42.78	-276.39	-127.24	-47.38	-17.76	-22.83	846.40
NET INCOME TO DATE	-104.88	-104.88	-104.88	-104.88	-118.70	-161.48	-437.87	-565.11	-612.49	-630.25	-653.08	193.32

Note: Cost of production estimates are based on 2024 input prices.
Fertilization decisions should be based on soil tests.
Soil test cost is prorated for a test every 3rd year.
Lime cost prorated for application every 3rd year.
* Lease costs are based on hourly usage costs.

Table 30.F Estimated returns for various price/yield combinations, per acre
Cotton, 12R-38" solid, conservation tillage
ThryvOn variety, pivot irrigated, 7.5 ac.-in., Non-Delta, Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Cotton Lint			0.54	0.57	0.61	0.64	0.68	0.72	0.75	0.79	0.82	0.86	0.90
PERCENT	YIELD	UNIT	dollars										
50	600.00	lb	-280	-258	-237	-215	-193	-172	-150	-129	-107	-85	-64
			-595	-574	-552	-530	-509	-487	-466	-444	-422	-401	-379
60	720.00	lb	-228	-202	-176	-151	-125	-99	-73	-47	-21	4	30
			-544	-518	-492	-466	-440	-414	-388	-362	-336	-310	-284
70	840.00	lb	-177	-147	-116	-86	-56	-26	4	34	64	94	125
			-492	-462	-432	-401	-371	-341	-311	-280	-250	-220	-190
80	960.00	lb	-125	-91	-56	-22	12	47	81	116	150	185	219
			-441	-406	-371	-337	-302	-268	-233	-199	-164	-130	-95
90	1080.00	lb	-74	-35	3	42	81	120	159	197	236	275	314
			-389	-350	-311	-272	-234	-195	-156	-117	-78	-39	-0
100	1200.00	lb	-22	20	63	106	150	193	236	279	322	366	409
			-338	-294	-251	-208	-165	-122	-78	-35	7	50	93
110	1320.00	lb	28	76	123	171	218	266	313	361	409	456	504
			-286	-239	-191	-143	-96	-48	-1	46	93	141	188
120	1440.00	lb	80	132	184	235	287	339	391	443	495	546	598
			-235	-183	-131	-79	-27	24	76	127	179	231	283
130	1560.00	lb	131	188	244	300	356	412	468	525	581	637	693
			-183	-127	-71	-15	41	97	153	209	265	321	378
140	1680.00	lb	183	243	304	364	425	485	546	606	667	727	788
			-131	-71	-11	49	109	170	230	291	351	412	472
150	1800.00	lb	234	299	364	429	494	558	623	688	753	818	882
			-80	-15	49	113	178	243	308	373	437	502	567

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.
Note: Cost of production estimates are based on 2024 input prices.

APPENDIX

Appendix Table 1 Tractors/Harvesters: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Mississippi, 2025

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 (250-299 hp)	265 hp	463,000	300	8	13.64	18.69	39.01	48.22	105.92	230.93	336.86
Combine (300-349 hp)	325 hp	538,000	300	8	16.73	18.69	47.84	56.04	122.57	268.33	390.91
Combine (350-399 hp)	355 hp	556,000	300	8	18.27	18.69	52.25	57.91	128.85	277.31	406.17
Combine (400-449 hp)	425 hp	562,000	300	8	21.87	18.69	62.56	58.54	139.79	280.30	420.10
Combine (450-499hp)	475 hp	592,000	300	8	24.44	18.69	69.92	61.66	150.28	295.27	445.55
Tractor(20-39hp)CB	MFWD 30	38,500	600	8	1.54	18.69	4.41	1.20	24.30	9.00	33.31
Tractor(20-39hp)RB	MFWD 30	28,100	600	8	1.54	18.69	4.41	0.87	23.98	6.57	30.55
Tractor(40-59hp)CB	2WD 50	39,900	600	8	2.57	18.69	7.36	1.24	27.29	9.33	36.63
Tractor(40-59hp)CB	MFWD 50	50,600	600	8	2.57	18.69	7.36	1.58	27.63	11.84	39.47
Tractor(40-59hp)RB	2WD 50	29,100	600	8	2.57	18.69	7.36	0.90	26.95	6.80	33.76
Tractor(40-59hp)RB	MFWD 50	33,800	600	8	2.57	18.69	7.36	1.05	27.10	7.90	35.01
Tractor(60-89hp)CB	2WD 75	69,500	600	8	3.86	18.69	11.04	2.17	31.90	16.26	48.16
Tractor(60-89hp)CB	MFWD 75	79,000	600	8	3.86	18.69	11.04	2.46	32.19	18.48	50.68
Tractor(60-89hp)RB	2WD 75	60,100	600	8	3.86	18.69	11.04	1.87	31.60	14.06	45.67
Tractor(60-89hp)RB	MFWD 75	53,400	600	8	3.86	18.69	11.04	1.66	31.39	12.49	43.89
Tractor(90-119hp)CB	2WD 105	96,900	600	8	5.40	18.69	15.45	3.02	37.17	22.67	59.84
Tractor(90-119hp)CB	MFWD 105	109,900	600	8	5.40	18.69	15.45	3.43	37.58	25.71	63.29
Tractor(90-119hp)RB	2WD 105	91,600	600	8	5.40	18.69	15.45	2.86	37.00	21.43	58.44
Tractor(90-119hp)RB	MFWD 105	97,400	600	8	5.40	18.69	15.45	3.04	37.19	22.79	59.98
Tractor(120-139hp)CB	2WD 130	127,900	600	8	6.69	18.69	19.13	3.99	41.82	29.92	71.75
Tractor(120-139hp)CB	MFWD 130	165,700	600	8	6.69	18.69	19.13	5.17	43.00	38.77	81.77
Tractor(140-159hp)	2WD 150	152,300	600	8	7.72	18.69	22.08	4.75	45.53	35.63	81.16
Tractor(140-159hp)CB	MFWD 150	179,700	600	8	7.72	18.69	22.08	5.61	46.38	42.04	88.43
Tractor(160-179hp)CB	MFWD 170	217,000	600	8	8.75	18.69	25.02	6.78	50.49	52.44	102.94
Tractor(180-199hp)CB	MFWD 190	274,000	600	8	9.77	18.69	27.97	8.56	55.22	66.22	121.44
Tractor(200-249hp)CB	MFWD 225	327,000	600	8	11.58	18.69	33.12	10.21	62.03	79.03	141.06
Tractor(250-349hp)CB	4WD 300	452,000	600	8	15.44	18.69	44.16	14.12	76.97	109.24	186.22
Tractor(250-349hp)CB	MFWD 300	392,000	600	8	15.44	18.69	44.16	12.25	75.10	94.74	169.84
Tractor(250-349hp)CB	Track 300	329,000	600	8	15.44	18.69	44.16	10.28	73.13	79.51	152.65
Tractor(350-449hp)	Track 400	635,000	600	8	20.58	18.69	58.88	19.84	97.41	153.47	250.89
Tractor(350-449hp)CB	4WD 400	501,000	600	8	20.58	18.69	58.88	15.65	93.23	121.08	214.31
Tractor(450-550hp)CB	4WD 500	577,000	600	8	25.73	18.69	73.60	18.03	110.32	139.45	249.78
Tractor(450-550hp)CB	Track 500	683,000	600	8	25.73	18.69	73.60	21.34	113.63	165.07	278.71
Utility Vehicle	800 CC	12,200	200	8	0.70	18.69	2.07	1.90	22.66	9.12	31.79
Utility Vehicle	900 CC	18,700	200	8	1.00	18.69	2.96	2.92	24.57	13.99	38.56

Notes:
Labor: Includes allocated labor from power unit.
Total Direct: Does not include interest on operating capital.

Appendix Table 2. Self-propelled machines: estimated purchase price, annual use, useful life, fuel use, performance rate, and direct and fixed cost per acre, Mississippi, 2025

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					
Cotton Picker	4R-38(250)	268,000	200	8	12.86	0.257	7.15	9.48	10.79	27.43	51.68	79.12
Cotton Picker	4R-38(350)	351,000	200	8	18.01	0.257	7.15	13.28	14.13	34.57	67.69	102.26
Cotton Picker	4R2x1(350)	357,000	200	8	18.01	0.172	4.78	8.87	9.61	23.27	46.02	69.29
Cotton Picker	6R-30(355)	465,000	200	8	18.27	0.218	6.05	11.40	15.85	33.31	75.92	109.24
Cotton Picker	6R-38(355)	465,000	200	8	18.27	0.172	4.78	9.00	12.51	26.30	59.94	86.25
Cotton Picker/Modu	4R-38(365)	536,000	200	8	20.58	0.257	7.15	15.17	21.58	43.92	103.37	147.29
Cotton Picker/Module	6R-30(500)	1,081,000	200	8	25.73	0.218	6.05	16.06	36.86	58.98	176.51	235.49
Cotton Picker/Module	6R-38(500)	1,084,000	200	8	25.73	0.172	4.78	12.68	29.18	46.64	139.74	186.39
Dry Applicator SP	70'300cuft	491,000	350	8	16.98	0.015	0.35	0.73	0.39	1.48	3.17	4.65
Sprayer 600-750gal	60' 175hp	216,000	350	8	9.00	0.017	0.40	0.45	0.20	1.06	1.62	2.69
Sprayer 600-825gal	80' 175hp	273,000	350	8	11.81	0.013	0.30	0.44	0.19	0.94	1.54	2.48
Sprayer 600-825gal	90' 250hp	351,000	350	8	12.73	0.011	0.27	0.42	0.22	0.92	1.76	2.68
Sprayer 800gal	100' 250hp	383,000	350	8	14.15	0.010	0.24	0.42	0.21	0.89	1.73	2.62
Sprayer 800gal	80' 250hp	287,000	350	8	12.86	0.013	0.30	0.48	0.20	0.99	1.62	2.61
Sprayer 1000-1400gal	90' 275hp	381,000	350	8	14.15	0.010	0.24	0.42	0.21	0.88	1.72	2.61
Sprayer 1000gal	100' 300hp	528,000	350	8	15.44	0.010	0.24	0.46	0.29	1.01	2.38	3.40
Sprayer 1200+gal	120' 300hp	519,000	350	8	15.44	0.008	0.20	0.38	0.24	0.83	1.95	2.79

Notes:
Labor: includes allocated labor plus any additional labor from self-propelled machine.
Direct: Does not include interest on operating capital.

Appendix Table 3. Towed Equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2025

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---------------------							
Bed-Paratill w/ro	4R-30	MFWD 225	27,800	150	12	0.204	3.81	6.76	2.05	2.08	14.72	4.57	16.14	35.44
Bed-Paratill w/ro	4R-38	MFWD 225	27,800	150	12	0.160	3.00	5.32	1.61	1.64	11.59	3.60	12.71	27.91
Bed-Paratill w/ro	6R-38	MFWD 225	38,000	150	12	0.107	2.00	3.56	1.47	1.09	8.14	3.29	8.49	19.93
Bed-Rip/Disk Fold.	8R-38	MFWD 190	71,000	300	20	0.073	1.36	2.04	0.25	0.62	4.29	1.72	4.83	10.85
Bed-Rip/Disk Fold.	12R-30	MFWD 225	100,200	300	20	0.061	1.15	2.04	0.30	0.62	4.13	2.04	4.87	11.04
Bed-Rip/Disk Fold.	12R-38	MFWD 225	100,200	300	20	0.046	0.86	1.53	0.23	0.47	3.09	1.53	3.65	8.28
Bed-Rip/Disk Rigid	4R-30	MFWD 190	31,500	300	20	0.184	3.45	5.17	0.29	1.58	10.50	1.93	12.24	24.67
Bed-Rip/Disk Rigid	4R-38	MFWD 190	31,500	300	20	0.146	2.74	4.10	0.23	1.25	8.33	1.53	9.71	19.58
Bed-Rip/Disk Rigid	6R-30	MFWD 190	43,600	300	20	0.123	2.30	3.44	0.26	1.05	7.07	1.78	8.16	17.01
Bed-Rip/Disk Rigid	6R-38	MFWD 190	43,600	300	20	0.097	1.81	2.72	0.21	0.83	5.58	1.40	6.44	13.43
Bed-Rip/Disk Rigid	8R-30	MFWD 190	57,800	300	20	0.139	2.59	3.88	0.40	1.19	8.07	2.66	9.20	19.94
Bed-Rip/Disk Rigid	8R-38	MFWD 190	57,800	300	20	0.073	1.36	2.04	0.21	0.62	4.24	1.40	4.83	10.48
Bed-Rip/Disk/Cond.	6-Row	MFWD 225	43,600	150	12	0.107	2.00	3.56	1.69	1.09	8.36	3.77	8.49	20.63
Bed-Rip/Disk/Cond.	8-Row	MFWD 225	57,800	150	12	0.080	1.50	2.67	1.68	0.82	6.69	3.75	6.38	16.83
Bed-Subsoil Fold	8R-38	MFWD 225	71,000	150	12	0.080	1.50	2.67	2.07	0.82	7.08	4.61	6.38	18.08
Bed-Subsoil Fold	8R-38 2x1	MFWD 225	100,200	150	12	0.053	1.00	1.78	1.94	0.54	5.28	4.33	4.24	13.86
Bed-Subsoil Fold	12R-38	MFWD 225	100,200	150	12	0.053	1.00	1.78	1.94	0.54	5.28	4.33	4.24	13.86
Bed-Subsoil Rigid	4R-30	MFWD 225	26,100	150	12	0.204	3.81	6.76	1.92	2.08	14.60	4.29	16.14	35.04
Bed-Subsoil Rigid	4R-38	MFWD 225	27,800	150	12	0.160	3.00	5.32	1.61	1.64	11.59	3.60	12.71	27.91
Bed-Subsoil Rigid	6R-30	MFWD 225	36,300	150	12	0.136	2.54	4.51	1.78	1.39	10.23	3.98	10.76	24.98
Bed-Subsoil Rigid	6R-38	MFWD 225	37,700	150	12	0.107	2.00	3.56	1.46	1.09	8.13	3.26	8.49	19.89
Bed-Subsoil Rigid	8R-30	MFWD 225	48,500	150	12	0.102	1.90	3.38	1.78	1.04	8.12	3.99	8.07	20.19
Bed-Subsoil Rigid	8R-38	MFWD 225	50,100	150	12	0.080	1.50	2.67	1.46	0.82	6.47	3.25	6.38	16.11
Bed/Disk (Hipper)	4R-38	MFWD 150	15,700	160	10	0.147	2.75	3.26	0.57	0.82	7.42	1.91	6.20	15.55
Bed/Disk (Hipper)	6R-38	MFWD 170	23,600	160	10	0.098	1.84	2.46	0.58	0.66	5.56	1.92	5.17	12.66
Bed/Disk (Hipper)	8R-30	MFWD 190	32,600	160	10	0.093	1.75	2.62	0.76	0.80	5.94	2.52	6.20	14.67
Bed/Disk (Hipper)	8R-38 2x1	MFWD 190	114,000	160	10	0.049	0.92	1.38	1.40	0.42	4.13	4.64	3.26	12.04
Bed/Disk (Hipper)	12R-30	MFWD 225	87,500	160	10	0.062	1.16	2.07	1.36	0.63	5.24	4.51	4.93	14.70
Bed/Disk (Hipper)	12R-38	MFWD 225	114,000	160	10	0.049	0.92	1.63	1.40	0.50	4.46	4.64	3.89	13.01
Bed/Disk (Hipper)	16R40	MFWD 300	135,000	160	10	0.035	0.66	1.56	1.19	0.43	3.85	3.94	3.35	11.14
Bed/Disk (Hipper)Fl	8R-38	MFWD 190	45,800	160	10	0.074	1.38	2.07	0.84	0.63	4.94	2.80	4.90	12.65
Bed/Disk (Hipper)Rd	8R-38	MFWD 190	33,800	160	10	0.074	1.38	2.07	0.62	0.63	4.71	2.06	4.90	11.69
Bed/Disk w/roller	8R-30	MFWD 190	59,900	160	10	0.093	1.75	2.62	1.40	0.80	6.58	4.63	6.20	17.42
Bed/Disk w/roller	8R-38	MFWD 190	68,500	160	10	0.074	1.38	2.07	1.26	0.63	5.36	4.19	4.90	14.46
Bed/Disk w/roller	12R-30/40	MFWD 225	113,000	160	10	0.062	1.16	2.07	1.76	0.63	5.64	5.83	4.93	16.41
Bed/Lister	4R-38	MFWD 150	31,900	160	8	0.228	4.26	5.04	1.70	1.28	12.30	6.60	9.60	28.50
Bed/Lister	6R-38	MFWD 150	36,000	160	8	0.120	2.24	2.65	1.01	0.67	6.58	3.92	5.05	15.56
Bed/Lister	8R-30	MFWD 190	48,300	160	8	0.114	2.13	3.19	1.29	0.97	7.59	4.99	7.56	20.15
Bed/Lister	8R-38	MFWD 190	48,700	160	8	0.090	1.68	2.52	1.03	0.77	6.01	3.98	5.97	15.97
Bed/Lister	8R-38 2x1	MFWD 190	81,500	160	8	0.060	1.12	1.68	1.14	0.51	4.46	4.43	3.98	12.88
Bed/Lister	12R-38	MFWD 225	81,500	160	8	0.060	1.12	1.99	1.14	0.61	4.87	4.43	4.74	14.06
Bed/Lister	16R-30	MFWD 225	94,300	160	8	0.035	0.65	1.16	0.77	0.35	2.95	3.00	2.77	8.73
Bed/Lister	16R40	MFWD 300	99,200	160	8	0.043	0.80	1.90	1.00	0.52	4.23	3.87	4.08	12.19
Bed/Lister-Roll-Fo	8R-38	MFWD 190	31,400	160	10	0.095	1.79	2.68	0.75	0.82	6.04	2.48	6.35	14.88
Bed/Lister-Roll-Fo	12R-30	MFWD 225	65,100	160	10	0.080	1.51	2.67	1.31	0.82	6.33	4.34	6.39	17.07
Bed/Lister-Roll-Fo	12R-38	MFWD 225	48,700	160	10	0.063	1.19	2.11	0.77	0.65	4.73	2.56	5.04	12.35
Bed/Lister-Roll-Fo	16R-30	MFWD 225	61,600	160	10	0.060	1.13	2.00	0.93	0.61	4.69	3.08	4.79	12.57
Bed/Lister-Roll-Ri	8R-38	MFWD 190	25,000	160	10	0.095	1.79	2.68	0.59	0.82	5.89	1.98	6.35	14.22
Blade-Box	6'-7'	MFWD 105	2,080	200	20	0.020	0.37	0.30	0.01	0.06	0.76	0.02	0.45	1.24
Blade-Box	8'-10'	MFWD 105	3,790	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Box	12'-16'	MFWD 105	7,580	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	6'-7'	MFWD 105	1,760	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	8'-10'	MFWD 105	5,840	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Blade-Scraper	12'-16'	MFWD 105	12,200	200	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boll Buggy	4R-38(250)	MFWD 190	30,500	200	10	0.257	4.81	7.21	1.96	2.20	16.20	5.06	17.07	38.33
Boll Buggy	4R-38(350)	MFWD 190	30,500	200	10	0.257	4.81	7.21	1.96	2.20	16.20	5.06	17.07	38.33
Boll Buggy	4R2x1(350)	MFWD 190	30,500	200	10	0.172	3.22	4.81	1.31	1.47	10.82	3.38	11.41	25.62
Boll Buggy	6R-30(355)	MFWD 190	30,500	200	10	0.218	4.07	6.10	1.66	1.86	13.71	4.28	14.45	32.45
Boll Buggy	6R-38(355)	MFWD 190	30,500	200	10	0.172	3.22	4.81	1.31	1.47	10.82	3.38	11.41	25.62
Chisel Plow-Folding	24'	MFWD 190	59,800	150	12	0.076	1.42	2.13	1.65	0.65	5.87	3.68	5.06	14.61
Chisel Plow-Folding	32'	MFWD 225	76,500	150	12	0.057	1.07	1.91	1.59	0.59	5.17	3.55	4.56	13.30
Chisel Plow-Folding	42'	MFWD 225	88,600	150	12	0.044	0.82	1.45	1.40	0.44	4.13	3.14	3.47	10.75
Chisel Plow-Folding	50'	MFWD 225	113,000	150	12	0.036	0.69	1.22	1.50	0.37	3.80	3.36	2.92	10.08
Chisel Plow-Folding	61'	MFWD 225	141,000	150	12	0.030	0.56	1.00	1.54	0.30	3.42	3.44	2.39	9.26
Chisel Plow-Rigid	10'	MFWD 170	16,100	150	12	0.184	3.45	4.62	1.07	1.25	10.41	2.39	9.69	22.50
Chisel Plow-Rigid	15'	2WD 130	20,100	150	12	0.123	2.30	2.35	0.89	0.49	6.04	1.99	3.68	11.73
Chisel Plow-Rigid	20'	MFWD 225	13,400	150	12	0.102	1.91	3.40	0.49	1.04	6.86	1.10	8.11	16.09
Cultivate	4R-30	2WD 105	21,500	150	10	0.206	3.85	3.18	1.18	0.62	8.84	3.90	4.67	17.43
Cultivate	4R-38	2WD 105	21,500	150	10	0.162	3.03	2.51	0.93	0.46	6.94	3.07	3.48	13.49
Cultivate	6R-30	MFWD 150	28,100	150	10	0.137	2.56	3.03	1.03	0.77	7.40	3.40	5.78	16.59
Cultivate	6R-38	MFWD 150	28,000	150	10	0.108	2.02	2.39	0.81	0.60	5.84	2.67	4.56	13.08
Cultivate	8R-30	MFWD 190	36,300	150	10	0.103	1.92	2.88	0.99	0.88	6.69	3.29	6.82	16.82
Cultivate	8R-38	MFWD 190	43,200	150	10	0.073	1.37	2.06	0.84	0.63	4.91	2.80	4.87	12.59
Cultivate	8R-38 2x1	MFWD 190	60,200	150	10	0.054	1.01	1.51	0.87	0.46	3.86	2.87	3.59	10.34
Cultivate	12R-30	MFWD 225	62,000	150	10	0.068	1.28	2.27	1.13	0.70	5.40	3.75	5.43	14.59
Cultivate	12R-38	MFWD 225	60,200	150	10	0.054	1.01	1.79	0.87	0.55	4.23	2.87	4.28	11.40
Cultivate	16R-30	MFWD 225	83,400	150	10	0.051	0.96	1.70	1.14	0.52	4.34	3.78	4.07	12.20
Cultivate & Post	4R-30	2WD 105	27,300	150	10	0.220	5.10	3.40	1.60	0.62	10.74	5.29	4.71	20.74
Cultivate & Post	4R-38	2WD 105	27,300	150	10	0.173	4.02	2.67	1.26	0.49	8.45	4.16	3.71	16.33
Cultivate & Post	6R-30	MFWD 150	33,900	150	10	0.146	3.40	3.23	1.32	0.82	8.79	4.38	6.16	19.34
Cultivate & Post	6R-38	MFWD 150	33,800	150	10	0.115	2.68	2.55	1.04	0.65	6.93	3.44	4.86	15.25
Cultivate & Post	8R-30	MFWD 190	44,100	150	10	0.110	2.55	3.07	1.29	0.94	7.86	4.27	7.28	19.42
Cultivate & Post	8R-38	MFWD 190	49,100	150	10	0.086	2.01	2.43	1.13	0.74	6.33	3.76	5.75	15.85

(continued)

Appendix Table 3. Towed Equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2025 (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---------------------							
Cultivate & Post	8R-38 2x1	MFWD 190	66,000	150	10	0.057	1.34	1.61	1.01	0.49	4.47	3.36	3.83	11.67
Cultivate & Post	12R-30	MFWD 225	67,800	150	10	0.073	1.70	2.42	1.32	0.74	6.20	4.38	5.79	16.38
Cultivate & Post	12R-38	MFWD 225	66,000	150	10	0.057	1.34	1.91	1.01	0.59	4.87	3.36	4.57	12.81
Cultivate & Post	16R-30	MFWD 225	89,200	150	10	0.055	1.27	1.82	1.30	0.56	4.96	4.32	4.34	13.63
Disk & Incorporate	14'	2WD 130	42,100	200	10	0.149	3.47	2.86	1.89	0.59	8.82	4.16	4.47	17.47
Disk & Incorporate	20'	MFWD 190	83,300	200	10	0.092	2.14	2.58	2.31	0.79	7.83	5.08	6.12	19.04
Disk & Incorporate	24'	MFWD 190	71,800	200	10	0.087	2.02	2.44	1.88	0.74	7.09	4.14	5.78	17.02
Disk & Incorporate	28'	MFWD 225	82,000	200	10	0.074	1.73	2.47	1.84	0.76	6.82	4.05	5.91	16.79
Disk & Incorporate	32'	MFWD 225	93,300	200	10	0.065	1.52	2.16	1.83	0.66	6.19	4.03	5.17	15.40
Disk Harrow	14'	2WD 130	36,300	180	10	0.140	2.62	2.68	1.41	0.56	7.28	3.74	4.19	15.22
Disk Harrow	20'	MFWD 190	77,500	180	10	0.098	1.83	2.74	2.11	0.84	7.53	5.58	6.50	19.63
Disk Harrow	24'	MFWD 190	65,900	180	10	0.081	1.52	2.28	1.49	0.70	6.01	3.96	5.42	15.39
Disk Harrow	28'	MFWD 225	76,200	180	10	0.070	1.31	2.32	1.48	0.71	5.83	3.92	5.54	15.30
Disk Harrow	32'	MFWD 225	87,500	180	10	0.061	1.14	2.03	1.49	0.62	5.29	3.94	4.85	14.09
Disk Harrow	42'	MFWD 225	139,000	180	10	0.046	0.87	1.54	1.80	0.47	4.70	4.77	3.69	13.17
Disk Harrow 40-100hp	14'	2WD 75	24,600	180	10	0.140	2.62	1.54	0.95	0.26	5.39	2.53	1.97	9.90
Disk Heavy	14'	MFWD 150	36,300	180	10	0.145	2.72	3.22	1.47	0.81	8.24	3.89	6.13	18.26
Disk Heavy	20'	MFWD 190	77,500	180	10	0.097	1.81	2.72	2.09	0.83	7.46	5.53	6.44	19.44
Disk Heavy	28'	MFWD 225	76,200	180	10	0.075	1.41	2.50	1.60	0.77	6.29	4.23	5.98	16.51
Disk Ripper	15'	MFWD 225	68,600	180	10	0.136	2.54	4.51	2.59	1.39	11.04	6.86	10.76	28.67
Ditcher		2WD 130	6,720	200	10	0.020	0.37	0.38	0.05	0.07	0.89	0.08	0.59	1.57
Ditcher (1m/160a)		2WD 130	6,720	200	10	0.009	0.17	0.17	0.02	0.03	0.41	0.04	0.28	0.73
Fert Appl (Liquid)	4R-38	MFWD 150	25,400	150	8	0.154	3.59	3.41	2.61	0.86	10.49	3.67	6.50	20.67
Fert Appl (Liquid)	6R-30	MFWD 170	25,300	150	8	0.130	3.04	3.27	2.20	0.88	9.41	3.10	6.86	19.38
Fert Appl (Liquid)	6R-38	MFWD 170	25,300	150	8	0.103	2.40	2.58	1.74	0.70	7.43	2.44	5.42	15.30
Fert Appl (Liquid)	8R-30	MFWD 190	26,300	150	8	0.098	2.28	2.74	1.72	0.84	7.59	2.41	6.50	16.51
Fert Appl (Liquid)	8R-38	MFWD 190	29,500	150	8	0.077	1.80	2.17	1.52	0.66	6.16	2.14	5.14	13.45
Fert Appl (Liquid)	8R-38 2x1	MFWD 190	32,900	150	8	0.051	1.20	1.44	1.13	0.44	4.22	1.59	3.42	9.23
Fert Appl (Liquid)	12R-30	MFWD 225	36,200	150	8	0.078	1.82	2.60	1.89	0.80	7.12	2.66	6.20	15.99
Fert Appl (Liquid)	12R-38	MFWD 225	31,100	150	8	0.051	1.20	1.71	1.07	0.52	4.51	1.50	4.08	10.10
Field Cult & Inc	42'	MFWD 225	97,800	100	10	0.037	0.87	1.25	0.92	0.38	3.43	4.88	2.98	11.30
Field Cult & Inc	50'	MFWD 225	105,000	100	10	0.031	0.73	1.05	0.83	0.32	2.94	4.40	2.50	9.85
Field Cult & Inc Fld	24'	MFWD 170	47,900	100	10	0.066	1.53	1.65	0.79	0.44	4.42	4.18	3.46	12.08
Field Cult & Inc Fld	32'	MFWD 190	69,400	100	10	0.049	1.15	1.38	0.86	0.42	3.82	4.54	3.28	11.65
Field Cult & Inc Rdg	12'	2WD 150	23,200	100	10	0.132	3.06	2.91	0.76	0.62	7.38	4.05	4.71	16.15
Field Cultivate Fld	24'	MFWD 170	42,100	100	10	0.062	1.16	1.55	0.65	0.42	3.79	3.46	3.26	10.52
Field Cultivate Fld	32'	MFWD 190	63,600	100	10	0.046	0.87	1.30	0.74	0.39	3.31	3.92	3.08	10.33
Field Cultivate Fld	42'	MFWD 225	87,500	100	10	0.035	0.66	1.17	0.77	0.36	2.98	4.11	2.80	9.90
Field Cultivate Fld	50'	MFWD 225	95,700	100	10	0.029	0.55	0.98	0.71	0.30	2.56	3.77	2.35	8.70
Field Cultivate Rdg	12'	2WD 150	17,400	100	10	0.124	2.32	2.74	0.54	0.59	6.20	2.86	4.43	13.50
Grain Cart Corn	500 bu	MFWD 190	36,400	200	12	0.025	0.47	0.70	0.24	0.21	1.64	0.55	1.67	3.87
Grain Cart Corn	700 bu	MFWD 190	52,400	200	12	0.025	0.47	0.70	0.35	0.21	1.75	0.80	1.67	4.23
Grain Cart Corn	1000 bu	MFWD 225	72,800	200	12	0.025	0.47	0.83	0.49	0.25	2.06	1.11	1.99	5.18
Grain Cart Rice	500 bu	MFWD 190	36,400	200	12	0.062	1.16	1.74	0.61	0.53	4.06	1.37	4.13	9.58
Grain Cart Rice	700 bu	MFWD 190	52,400	200	12	0.055	1.02	1.53	0.78	0.47	3.81	1.74	3.64	9.20
Grain Cart Rice	1000 bu	MFWD 190	72,800	200	12	0.045	0.85	1.28	0.90	0.39	3.43	2.01	3.03	8.48
Grain Cart Soybean	500 bu	MFWD 190	36,400	200	12	0.025	0.47	0.71	0.25	0.21	1.65	0.56	1.68	3.90
Grain Cart Soybean	700 bu	MFWD 190	52,400	200	12	0.021	0.39	0.59	0.30	0.18	1.47	0.67	1.40	3.55
Grain Cart Soybean	1000 bu	MFWD 190	72,800	200	12	0.021	0.39	0.59	0.41	0.18	1.59	0.93	1.40	3.93
Grain Cart Wht/Sor	500 bu	MFWD 190	36,400	200	12	0.025	0.47	0.71	0.25	0.21	1.65	0.56	1.68	3.90
Grain Cart Wht/Sor	700 bu	MFWD 190	52,400	200	12	0.021	0.39	0.59	0.30	0.18	1.47	0.67	1.40	3.55
Grain Cart Wht/Sor	1000 bu	MFWD 190	72,800	200	12	0.021	0.39	0.59	0.41	0.18	1.59	0.93	1.40	3.93
Grain Drill	10'	2WD 130	46,400	150	8	0.188	5.23	3.60	3.28	0.75	12.87	7.92	5.64	26.44
Grain Drill	12'	2WD 130	55,400	150	8	0.157	4.36	3.00	3.26	0.62	11.26	7.88	4.70	23.84
Grain Drill	15'	MFWD 150	49,900	150	8	0.125	3.48	2.77	2.35	0.70	9.32	5.67	5.28	20.28
Grain Drill	20'	MFWD 170	55,100	150	8	0.094	2.61	2.35	1.94	0.63	7.56	4.70	4.94	17.21
Grain Drill	24'	MFWD 190	86,500	150	8	0.078	2.18	2.19	2.54	0.67	7.59	6.15	5.20	18.95
Grain Drill	30'	MFWD 225	101,500	150	8	0.062	1.74	2.08	2.39	0.64	6.86	5.77	4.96	17.60
Grain Drill	35'	MFWD 225	117,000	150	8	0.053	1.49	1.78	2.36	0.55	6.19	5.70	4.25	16.15
Grain Drill & Pre	10'	2WD 130	52,200	150	8	0.203	5.63	3.88	3.97	0.81	14.30	9.59	6.07	29.98
Grain Drill & Pre	12'	2WD 130	61,200	150	8	0.169	4.69	3.23	3.88	0.67	12.49	9.37	5.06	26.93
Grain Drill & Pre	15'	MFWD 150	55,700	150	8	0.135	3.75	2.98	2.82	0.76	10.33	6.82	5.69	22.85
Grain Drill & Pre	20'	MFWD 170	60,900	150	8	0.101	2.81	2.54	2.31	0.68	8.36	5.59	5.32	19.28
Grain Drill & Pre	24'	MFWD 190	92,300	150	8	0.084	2.34	2.36	2.92	0.72	8.36	7.07	5.60	21.04
Grain Drill & Pre	30'	MFWD 225	107,000	150	8	0.067	1.87	2.24	2.71	0.69	7.52	6.55	5.34	19.43
Grain Drill & Pre	35'	MFWD 225	123,000	150	8	0.058	1.61	1.92	2.67	0.59	6.80	6.46	4.58	17.84
Grain Drill & Pre T	8R-38	MFWD 225	57,000	150	8	0.062	1.74	2.08	1.34	0.64	5.81	3.24	4.96	14.02
Harrow - Folding	24'	MFWD 190	13,800	200	10	0.064	1.20	1.80	0.31	0.55	3.88	0.59	4.28	8.76
Harrow - Folding	30'	MFWD 190	15,300	200	10	0.051	0.96	1.44	0.27	0.44	3.13	0.52	3.42	7.08
Harrow - Folding	40'	MFWD 190	21,300	200	10	0.038	0.72	1.08	0.28	0.33	2.43	0.54	2.57	5.55
Harrow - Folding	48'	MFWD 225	36,000	200	10	0.032	0.60	1.07	0.40	0.33	2.41	0.76	2.55	5.74
Header - Corn	6R-30	265 hp	75,500	300	8	0.170	3.18	6.64	3.21	8.21	21.25	6.01	39.32	66.59
Header - Corn	6R-38	265 hp	76,200	300	8	0.134	2.51	5.24	2.56	6.48	16.80	4.79	31.04	52.63
Header - Corn	8R-30	265 hp	101,000	300	8	0.127	2.38	4.98	3.22	6.15	16.75	6.03	29.49	52.28
Header - Corn	8R-38	325 hp	90,100	300	8	0.100	1.88	4.83	2.27	5.65	14.64	4.25	27.09	45.99
Header - Corn	12R-20	325 hp	152,000	300	8	0.127	2.38	6.11	4.85	7.15	20.50	9.08	34.26	63.86
Header - Corn	12R-30	325 hp	145,000	300	8	0.085	1.59	4.07	3.08	4.77	13.52	5.77	22.84	42.14
Header - Draper (CL)	25' Rigid	265 hp	83,200	300	8	0.203	3.79	7.92	3.87	9.79	25.38	7.64	46.89	79.92
Header - Draper (CL)	30' Rigid	325 hp	85,600	300	8	0.169	3.16	8.09	3.31	9.48	24.06	6.55	45.41	76.03
Header - Draper (CL)	36' Rigid	355 hp	89,900	300	8	0.141	2.63	7.36	2.90	8.16	21.07	5.73	39.11	65.92
Header - Draper (CL)	40' Rigid	425 hp	95,200	300	8	0.126	2.37	7.94	2.76	7.43	20.51	5.46	35.57	61.55
Header - Draper (SL)	25' Rigid	325 hp	83,200	300	8	0.176	3.28	8.42	3.35	9.86	24.92	6.62	47.22	78.78
Header - Draper (SL)	30' Rigid	325 hp	85,600	300	8	0.146	2.74	7.01	2.87	8.21	20.85	5.68	39.35	65.89

(continued)

Appendix Table 3. Towed Equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2025 (continued)

Item Name	Size	Power Unit	Purchase Price	Annual Use	Useful Life	Perf Rate	Labor	Fuel	R&M Imp.	R&M P.U.	Total Direct	Fixed Imp.	Fixed P.U.	Total Cost
			dollars	hours	years	hr/ac	$/acre							
Header - Draper (SL)	36' Rigid	355 hp	89,900	300	8	0.122	2.28	6.38	2.51	7.07	18.26	4.97	33.89	57.13
Header - Draper (SL)	40' Rigid	425 hp	95,200	300	8	0.110	2.05	6.88	2.39	6.43	17.77	4.73	30.83	53.35
Header -RiceStrp(CL)	20'	265 hp	50,600	300	8	0.253	4.74	9.90	3.21	12.24	30.10	6.01	58.62	94.73
Header -RiceStrp(CL)	24'	325 hp	54,000	300	8	0.211	3.95	10.12	2.85	11.85	28.78	5.34	56.76	90.89
Header -RiceStrp(CL)	32'	325 hp	70,800	300	8	0.158	2.96	7.59	2.80	8.89	22.25	5.25	42.57	70.08
Header -RiceStrp(SL)	20'	265 hp	50,600	300	8	0.220	4.11	8.58	2.78	10.61	26.08	5.20	50.80	82.10
Header -RiceStrp(SL)	24'	325 hp	54,000	300	8	0.183	3.42	8.77	2.47	10.27	24.94	4.63	49.19	78.77
Header -RiceStrp(SL)	32'	325 hp	70,800	300	8	0.137	2.56	6.57	2.43	7.70	19.28	4.55	36.89	60.74
Header -Soybean	22' Flex	265 hp	44,600	300	8	0.116	2.16	4.52	1.29	5.59	13.59	2.42	26.81	42.82
Header -Soybean	25' Flex	325 hp	43,700	300	8	0.102	1.90	4.88	1.11	5.72	13.64	2.08	27.41	43.14
Header -Soybean	30' Flex	325 hp	52,900	300	8	0.085	1.59	4.07	1.12	4.77	11.56	2.10	22.84	36.51
Header -Soybean	35' Flex	355 hp	60,400	300	8	0.072	1.36	3.81	1.10	4.22	10.50	2.06	20.23	32.80
Header Wheat/Sorghum	22' Rigid	265 hp	19,800	300	8	0.116	2.16	4.52	0.57	5.59	12.87	1.07	26.81	40.76
Header Wheat/Sorghum	25' Rigid	325 hp	41,800	300	8	0.102	1.90	4.88	1.06	5.72	13.59	1.99	27.41	43.00
Header Wheat/Sorghum	30' Rigid	325 hp	55,100	300	8	0.085	1.59	4.07	1.17	4.77	11.60	2.19	22.84	36.65
Land Plane	50'x16'	MFWD 190	13,500	200	10	0.151	2.83	4.24	0.40	1.29	8.78	1.35	10.04	20.17
Levee Pull & Seed	8 Blade	MFWD 170	17,600	100	10	0.003	0.06	0.08	0.01	0.02	0.19	0.08	0.18	0.46
Levee Pull (1m/80a)	8 blade	MFWD 170	12,300	100	10	0.003	0.06	0.08	0.00	0.02	0.18	0.05	0.18	0.43
Levee Splitter (1/80	32"	MFWD 150	9,220	100	10	0.004	0.07	0.09	0.00	0.02	0.20	0.05	0.17	0.42
Module Builder	4R-38(250)	MFWD 190	34,700	200	10	0.257	7.15	7.21	2.23	2.20	18.80	5.76	17.07	41.63
Module Builder	4R-38(350)	MFWD 190	34,700	200	10	0.257	7.15	7.21	2.23	2.20	18.80	5.76	17.07	41.63
Module Builder	4R2x1(350)	MFWD 190	34,700	200	10	0.172	4.78	4.81	1.49	1.47	12.57	3.85	11.41	27.83
Module Builder	6R-30(355)	MFWD 190	34,700	200	10	0.218	6.05	6.10	1.89	1.86	15.92	4.87	14.45	35.25
Module Builder	6R-38(355)	MFWD 190	34,700	200	10	0.172	4.78	4.81	1.49	1.47	12.57	3.85	11.41	27.83
NT Grain Drill	10'	2WD 130	47,600	150	8	0.235	6.54	4.51	4.20	0.94	16.20	10.15	7.05	33.41
NT Grain Drill	12'	2WD 130	63,700	150	8	0.163	4.54	3.13	3.91	0.65	12.23	9.43	4.89	26.57
NT Grain Drill	15'	MFWD 150	76,100	150	8	0.130	3.63	2.89	3.73	0.73	10.99	9.02	5.50	25.52
NT Grain Drill	20'	MFWD 170	101,000	150	8	0.098	2.72	2.45	3.71	0.66	9.56	8.97	5.15	23.69
NT Grain Drill	24'	MFWD 190	111,300	150	8	0.081	2.27	2.28	3.41	0.70	8.67	8.24	5.42	22.34
NT Grain Drill	30'	MFWD 225	110,200	150	8	0.065	1.81	2.16	2.70	0.66	7.36	6.53	5.17	19.06
NT Grain Drill & Pre	10'	2WD 130	53,400	150	8	0.211	5.87	4.04	4.23	0.84	15.00	10.22	6.33	31.55
NT Grain Drill & Pre	12'	2WD 130	69,500	150	8	0.176	4.89	3.37	4.59	0.70	13.56	11.09	5.27	29.93
NT Grain Drill & Pre	15'	MFWD 150	81,900	150	8	0.141	3.91	3.11	4.33	0.79	12.15	10.45	5.93	28.53
NT Grain Drill & Pre	20'	MFWD 170	107,000	150	8	0.105	2.93	2.64	4.24	0.71	10.54	10.24	5.54	26.33
NT Grain Drill & Pre	24'	MFWD 190	117,000	150	8	0.088	2.44	2.46	3.86	0.75	9.53	9.33	5.83	24.70
NT Grain Drill & Pre	30'	MFWD 225	116,000	150	8	0.070	1.95	2.33	3.06	0.72	8.07	7.40	5.57	21.05
NT Plant&Pre-Folding	8R-38	MFWD 170	86,700	150	8	0.083	2.32	2.09	2.71	0.56	7.69	6.56	4.38	18.64
NT Plant&Pre-Folding	8R-38 2x1	MFWD 170	123,000	150	8	0.055	1.54	1.39	2.56	0.37	5.88	6.19	2.91	15.00
NT Plant&Pre-Folding	12R-20	MFWD 190	82,800	150	8	0.105	2.93	2.95	3.28	0.90	10.08	7.92	7.00	25.01
NT Plant&Pre-Folding	12R-30	MFWD 190	110,000	150	8	0.070	1.95	1.97	2.90	0.60	7.44	7.02	4.66	19.13
NT Plant&Pre-Folding	12R-38	MFWD 190	123,000	150	8	0.055	1.54	1.55	2.56	0.47	6.14	6.19	3.68	16.03
NT Plant&Pre-Folding	16R-30	MFWD 190	217,000	150	8	0.052	1.46	1.47	4.30	0.45	7.70	10.38	3.50	21.59
NT Plant&Pre-Folding	23R-15	MFWD 190	218,000	150	8	0.073	2.03	2.05	6.00	0.62	10.72	14.49	4.86	30.08
NT Plant&Pre-Folding	24R-20	MFWD 190	268,000	150	8	0.052	1.46	1.47	5.31	0.45	8.71	12.82	3.50	25.04
NT Plant&Pre-Folding	24R-30	MFWD 190	227,000	150	8	0.035	0.97	0.98	3.00	0.30	5.26	7.24	2.33	14.84
NT Plant&Pre-Folding	31R-15	MFWD 225	267,000	150	8	0.054	1.51	1.81	5.47	0.55	9.35	13.21	4.31	26.88
NT Plant&Pre-Folding	32R-15	MFWD 225	272,000	150	8	0.052	1.46	1.75	5.39	0.54	9.15	13.02	4.17	26.35
NT Plant&Pre-Rigid	4R-30	2WD 130	43,200	150	8	0.211	5.87	4.04	3.42	0.84	14.19	8.27	6.33	28.79
NT Plant&Pre-Rigid	4R-38	2WD 130	38,100	150	8	0.166	4.62	3.18	2.37	0.66	10.85	5.74	4.98	21.58
NT Plant&Pre-Rigid	6R-30	MFWD 150	52,300	150	8	0.141	3.91	3.11	2.76	0.79	10.58	6.67	5.93	23.19
NT Plant&Pre-Rigid	6R-38	MFWD 150	47,900	150	8	0.111	3.08	2.45	1.99	0.62	8.17	4.82	4.68	17.68
NT Plant&Pre-Rigid	8R-30	MFWD 170	67,600	150	8	0.105	2.93	2.64	2.68	0.71	8.98	6.47	5.54	21.00
NT Plant&Pre-Rigid	8R-38	MFWD 170	64,100	150	8	0.083	2.32	2.09	2.00	0.56	6.98	4.85	4.38	16.22
NT Plant&Pre-Rigid	11R-15	MFWD 170	70,800	150	8	0.143	3.99	3.60	3.82	0.97	12.39	9.22	7.54	29.16
NT Plant&Pre-Rigid	11R-20	MFWD 170	75,500	150	8	0.115	3.20	2.89	3.27	0.78	10.15	7.89	6.06	24.11
NT Plant&Pre-Rigid	12R-20	MFWD 190	80,500	150	8	0.105	2.93	2.95	3.19	0.90	9.99	7.70	7.00	24.70
NT Plant&Pre-Rigid	12R-30	MFWD 190	100,400	150	8	0.070	1.95	1.97	2.65	0.60	7.18	6.40	4.66	18.26
NT Plant&Pre-Rigid	15R-15	MFWD 190	98,900	150	8	0.113	3.13	3.16	4.19	0.96	11.46	10.12	7.49	29.08
NT Plant&Pre-TwinRow	12R-30/40	MFWD 225	173,000	150	8	0.055	1.54	1.84	3.61	0.56	7.56	8.71	4.39	20.68
NT Plant&Pre-TwinRow	8R-30/40	MFWD 225	135,300	150	8	0.083	2.32	2.76	4.24	0.85	10.18	10.24	6.60	27.03
NT Plant-Folding	8R-38	MFWD 170	80,900	150	8	0.077	2.15	1.94	2.35	0.52	6.97	5.68	4.07	16.73
NT Plant-Folding	8R-38 2x1	MFWD 170	113,000	150	8	0.051	1.43	1.29	2.19	0.35	5.26	5.28	2.71	13.26
NT Plant-Folding	12R-20	MFWD 190	77,500	150	8	0.098	2.72	2.74	2.85	0.84	9.16	6.88	6.50	22.56
NT Plant-Folding	12R-30	MFWD 190	99,800	150	8	0.065	1.81	1.83	2.45	0.56	6.65	5.91	4.33	16.91
NT Plant-Folding	12R-38	MFWD 190	113,000	150	8	0.051	1.43	1.44	2.19	0.44	5.51	5.28	3.42	14.22
NT Plant-Folding	16R-30	MFWD 190	206,000	150	8	0.049	1.36	1.37	3.79	0.42	6.95	9.15	3.25	19.36
NT Plant-Folding	23R-15	MFWD 190	207,000	150	8	0.068	1.89	1.90	5.29	0.58	9.67	12.77	4.51	26.97
NT Plant-Folding	24R-20	MFWD 190	258,000	150	8	0.049	1.36	1.37	4.75	0.42	7.90	11.46	3.25	22.62
NT Plant-Folding	24R-30	MFWD 190	208,000	150	8	0.032	0.90	0.91	2.55	0.28	4.65	6.16	2.16	12.99
NT Plant-Folding	31R-15	MFWD 225	256,000	150	8	0.050	1.40	1.68	4.87	0.51	8.48	11.76	4.01	24.25
NT Plant-Folding	32R-15	MFWD 225	261,000	150	8	0.049	1.36	1.62	4.80	0.50	8.29	11.60	3.88	23.78
NT Plant-Rigid	4R-30	2WD 130	37,400	150	8	0.196	5.45	3.75	2.75	0.78	12.75	6.65	5.87	25.27
NT Plant-Rigid	4R-38	2WD 130	32,300	150	8	0.154	4.29	2.95	1.87	0.61	9.74	4.52	4.62	18.89
NT Plant-Rigid	6R-30	MFWD 150	46,500	150	8	0.130	3.63	2.89	2.28	0.73	9.54	5.51	5.50	20.56
NT Plant-Rigid	6R-38	MFWD 150	42,100	150	8	0.103	2.86	2.28	1.63	0.58	7.36	3.93	4.34	15.65
NT Plant-Rigid	8R-30	MFWD 170	61,800	150	8	0.098	2.72	2.45	2.27	0.66	8.12	5.49	5.15	18.77
NT Plant-Rigid	8R-38	MFWD 170	58,300	150	8	0.077	2.15	1.94	1.69	0.52	6.32	4.09	4.07	14.49
NT Plant-Rigid	11R-15	MFWD 170	65,000	150	8	0.133	3.70	3.34	3.25	0.90	11.21	7.86	7.00	26.08
NT Plant-Rigid	11R-20	MFWD 170	69,700	150	8	0.107	2.97	2.68	2.80	0.72	9.19	6.77	5.62	21.60
NT Plant-Rigid	12R-20	MFWD 190	74,700	150	8	0.098	2.72	2.74	2.75	0.84	9.06	6.64	6.50	22.20
NT Plant-Rigid	12R-30	MFWD 190	90,000	150	8	0.065	1.81	1.83	2.20	0.56	6.41	5.33	4.33	16.09
NT Plant-Rigid	15R-15	MFWD 190	88,600	150	8	0.105	2.91	2.93	3.48	0.89	10.24	8.42	6.95	25.62
NT Plant-TwinRow	12R-30/40	MFWD 225	163,000	150	8	0.051	1.43	1.71	3.15	0.52	6.83	7.62	4.08	18.54

(continued)

Appendix Table 3. Towed Equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2025 (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---------------------							
NT Plant-TwinRow	8R-30/40	MFWD 225	130,000	150	8	0.077	2.15	2.57	3.78	0.79	9.30	9.13	6.13	24.57
Peanut Cond.& Lifter	6-Row	MFWD 190	15,200	300	20	0.100	1.86	2.79	0.25	0.85	5.77	0.51	6.62	12.91
Peanut Conditioner	6-Row	MFWD 190	25,200	300	20	0.100	1.86	2.79	0.50	0.85	6.02	0.80	6.62	13.44
Peanut Dig/Invertor	4R-30	MFWD 190	45,800	300	15	0.235	4.40	6.59	2.68	2.01	15.71	4.14	15.61	35.47
Peanut Dig/Invertor	4R-38	MFWD 190	45,800	300	15	0.186	3.48	5.20	2.12	1.59	12.40	3.27	12.33	28.01
Peanut Dig/Invertor	6R-38	MFWD 190	64,700	300	15	0.124	2.31	3.47	1.40	1.06	8.26	3.07	8.21	19.55
Peanut Dump Cart	6-Row	MFWD 190	70,000	300	20	0.310	5.79	8.67	1.26	2.65	18.38	7.19	20.52	46.10
Peanut Harvester	4R-30	MFWD 225	181,000	300	20	0.849	15.88	28.15	8.71	8.68	61.44	48.89	67.17	177.51
Peanut Harvester	4R-38	MFWD 225	181,000	300	20	0.934	17.46	30.95	9.58	9.55	67.55	54.92	73.86	196.34
Peanut Harvester	6R-38	MFWD 225	197,000	300	20	0.625	11.68	20.70	5.95	6.38	44.72	39.97	49.39	134.09
Peanut Lifter	6-Row	MFWD 225	10,100	300	20	0.100	1.86	3.31	0.20	1.02	6.41	0.32	7.90	14.63
Peanut Plt&Pre Fold.	12R-38	MFWD 190	111,000	150	8	0.080	2.23	2.24	3.34	0.68	8.51	8.07	5.32	21.92
Peanut Plt&Pre Rigid	8R-30	MFWD 190	59,400	150	8	0.152	4.23	4.27	3.40	1.30	13.22	8.21	10.11	31.55
Peanut Plt&Pre Rigid	8R-38	MFWD 190	56,000	150	8	0.120	3.35	3.37	2.53	1.03	10.29	6.12	7.99	24.41
Peanut Ptlt&PreTwin	8R-30/40	MFWD 190	127,000	150	8	0.120	3.35	3.37	5.75	1.03	13.51	13.88	7.99	35.39
Pipe Spool 160ac	1/4m roll	2WD 130	6,480	15	12	0.003	0.11	0.05	0.01	0.01	0.19	0.16	0.09	0.45
Pipe Trailer 1m/160a	30'	2WD 130	2,200	100	15	0.003	0.20	0.07	0.00	0.01	0.29	0.00	0.11	0.41
Plant & Pre-Folding	8R-38	MFWD 170	78,600	150	8	0.080	2.22	2.00	2.36	0.54	7.14	5.71	4.20	17.06
Plant & Pre-Folding	8R-38 2x1	MFWD 170	111,000	150	8	0.053	1.48	1.33	2.22	0.36	5.40	5.36	2.80	13.57
Plant & Pre-Folding	12R-20	MFWD 190	70,600	150	8	0.101	2.81	2.84	2.68	0.86	9.21	6.48	6.72	22.42
Plant & Pre-Folding	12R-30	MFWD 190	97,900	150	8	0.067	1.87	1.89	2.48	0.57	6.83	5.99	4.48	17.31
Plant & Pre-Folding	12R-38	MFWD 190	111,000	150	8	0.053	1.48	1.49	2.22	0.45	5.65	5.36	3.53	14.56
Plant & Pre-Folding	16R-30	MFWD 190	200,000	150	8	0.050	1.40	1.42	3.80	0.43	7.07	9.19	3.36	19.62
Plant & Pre-Folding	23R-15	MFWD 190	194,000	150	8	0.070	1.95	1.97	5.12	0.60	9.66	12.38	4.66	26.71
Plant & Pre-Folding	24R-20	MFWD 190	244,000	150	8	0.050	1.40	1.42	4.64	0.43	7.90	11.21	3.36	22.48
Plant & Pre-Folding	24R-30	MFWD 190	202,000	150	8	0.033	0.93	0.94	2.56	0.28	4.74	6.18	2.24	13.17
Plant & Pre-Folding	31R-15	MFWD 225	235,000	150	8	0.052	1.45	1.73	4.62	0.53	8.35	11.16	4.14	23.66
Plant & Pre-Folding	32R-15	MFWD 225	239,000	150	8	0.050	1.40	1.68	4.55	0.51	8.15	10.98	4.01	23.15
Plant & Pre-Rigid	4R-30	2WD 130	39,200	150	8	0.203	5.63	3.88	2.98	0.81	13.31	7.20	6.07	26.60
Plant & Pre-Rigid	4R-38	2WD 130	34,100	150	8	0.159	4.43	3.06	2.04	0.63	10.18	4.93	4.78	19.90
Plant & Pre-Rigid	6R-30	MFWD 150	46,200	150	8	0.135	3.75	2.98	2.34	0.76	9.85	5.66	5.69	21.20
Plant & Pre-Rigid	6R-38	MFWD 150	41,700	150	8	0.106	2.96	2.36	1.67	0.60	7.59	4.03	4.49	16.12
Plant & Pre-Rigid	8R-30	MFWD 170	59,400	150	8	0.101	2.81	2.54	2.26	0.68	8.30	5.45	5.32	19.09
Plant & Pre-Rigid	8R-38	MFWD 170	56,000	150	8	0.080	2.22	2.00	1.68	0.54	6.46	4.06	4.20	14.74
Plant & Pre-Rigid	11R-15	MFWD 170	59,600	150	8	0.148	4.11	3.70	3.31	1.00	12.14	7.99	7.77	27.91
Plant & Pre-Rigid	11R-20	MFWD 170	64,300	150	8	0.110	3.07	2.77	2.67	0.75	9.28	6.45	5.82	21.56
Plant & Pre-Rigid	12R-20	MFWD 190	68,300	150	8	0.101	2.81	2.84	2.60	0.86	9.12	6.27	6.72	22.13
Plant & Pre-Rigid	12R-30	MFWD 190	88,100	150	8	0.067	1.87	1.89	2.23	0.57	6.58	5.39	4.48	16.46
Plant & Pre-Rigid	15R-15	MFWD 190	83,600	150	8	0.108	3.01	3.03	3.40	0.92	10.38	8.21	7.19	25.79
Plant & Pre-TwinRow	12R-30/40	MFWD 225	161,000	150	8	0.053	1.48	1.77	3.22	0.54	7.02	7.78	4.22	19.03
Plant & Pre-TwinRow	8R-30/40	MFWD 225	127,000	150	8	0.080	2.22	2.65	3.82	0.82	9.52	9.22	6.34	25.10
Plant - Folding	8R-38	MFWD 170	72,800	150	8	0.074	2.06	1.86	2.03	0.50	6.47	4.91	3.90	15.29
Plant - Folding	8R-38 2x1	MFWD 170	100,000	150	8	0.049	1.37	1.24	1.86	0.33	4.81	4.49	2.60	11.91
Plant - Folding	12R-20	MFWD 190	65,200	150	8	0.094	2.61	2.63	2.30	0.80	8.36	5.56	6.24	20.17
Plant - Folding	12R-30	MFWD 190	87,500	150	8	0.062	1.74	1.75	2.06	0.53	6.10	4.97	4.16	15.24
Plant - Folding	12R-38	MFWD 190	100,000	150	8	0.049	1.37	1.38	1.86	0.42	5.05	4.49	3.28	12.82
Plant - Folding	16R-30	MFWD 190	190,000	150	8	0.047	1.30	1.31	3.35	0.40	6.38	8.10	3.12	17.61
Plant - Folding	23R-15	MFWD 190	184,000	150	8	0.065	1.81	1.83	4.51	0.56	8.72	10.90	4.33	23.96
Plant - Folding	24R-20	MFWD 190	234,000	150	8	0.047	1.30	1.31	4.13	0.40	7.16	9.98	3.12	20.27
Plant - Folding	24R-30	MFWD 190	184,000	150	8	0.031	0.87	0.87	2.16	0.26	4.18	5.23	2.08	11.50
Plant - Folding	31R-15	MFWD 225	225,000	150	8	0.048	1.35	1.61	4.11	0.49	7.57	9.92	3.85	21.35
Plant - Folding	32R-15	MFWD 225	229,000	150	8	0.047	1.30	1.56	4.04	0.48	7.39	9.77	3.72	20.89
Plant - Rigid	4R-30	2WD 130	33,400	150	8	0.188	5.23	3.60	2.36	0.75	11.95	5.70	5.64	23.30
Plant - Rigid	4R-38	2WD 130	28,200	150	8	0.148	4.12	2.84	1.57	0.59	9.12	3.79	4.44	17.35
Plant - Rigid	6R-30	MFWD 150	40,400	150	8	0.125	3.48	2.77	1.90	0.70	8.87	4.59	5.28	18.75
Plant - Rigid	6R-38	MFWD 150	35,900	150	8	0.099	2.75	2.19	1.33	0.55	6.83	3.22	4.17	14.23
Plant - Rigid	8R-30	MFWD 170	53,600	150	8	0.094	2.61	2.35	1.89	0.63	7.51	4.57	4.94	17.03
Plant - Rigid	8R-38	MFWD 170	50,200	150	8	0.074	2.06	1.86	1.40	0.50	5.84	3.38	3.90	13.13
Plant - Rigid	11R-15	MFWD 170	53,800	150	8	0.137	3.81	3.44	2.77	0.93	10.97	6.70	7.21	24.89
Plant - Rigid	11R-20	MFWD 170	58,500	150	8	0.103	2.85	2.57	2.26	0.69	8.39	5.45	5.40	19.25
Plant - Rigid	12R-20	MFWD 190	62,500	150	8	0.094	2.61	2.63	2.20	0.80	8.27	5.33	6.24	19.84
Plant - Rigid	12R-30	MFWD 190	77,800	150	8	0.062	1.74	1.75	1.83	0.53	5.87	4.42	4.16	14.46
Plant - Rigid	15R-15	2WD 150	73,300	150	8	0.094	2.61	2.08	2.59	0.44	7.73	6.25	3.36	17.35
Plant - TwinRow	12R-30/40	MFWD 225	150,000	150	8	0.049	1.37	1.64	2.79	0.50	6.31	6.73	3.92	16.97
Plant - TwinRow	8R-30/40	MFWD 225	121,000	150	8	0.074	2.06	2.46	3.38	0.76	8.68	8.16	5.89	22.73
Roller/Cultipacker	12'	2WD 130	7,470	300	12	0.124	2.32	2.38	0.21	0.49	5.42	0.38	3.72	9.52
Roller/Cultipacker	20'	MFWD 150	13,500	300	12	0.074	1.39	1.64	0.23	0.41	3.70	0.41	3.13	7.25
Roller/Cultipacker	30'	MFWD 170	21,100	300	12	0.049	0.93	1.24	0.24	0.33	2.76	0.43	2.61	5.80
Roller/Cultipacker	38'	MFWD 225	27,500	300	12	0.039	0.73	1.30	0.25	0.40	2.69	0.44	3.10	6.24
Roller/Stubble	20'	2WD 50	15,900	300	12	0.074	1.39	0.54	0.28	0.06	2.29	0.48	0.50	3.28
Roller/Stubble	32'	MFWD 225	23,700	300	12	0.046	0.87	1.54	0.26	0.47	3.15	0.45	3.68	7.29
Rotary Cutter	7'	MFWD 130	6,740	185	10	0.168	3.14	3.22	0.92	0.87	8.16	0.81	6.52	15.50
Rotary Cutter	12'	2WD 150	21,100	185	10	0.098	1.83	2.16	1.68	0.46	6.15	1.48	3.49	11.13
Rotary Cutter-Flex	15'	MFWD 150	27,500	185	10	0.078	1.46	1.73	1.75	0.44	5.39	1.54	3.30	10.24
Rotary Cutter-Flex	20'	MFWD 150	42,200	185	10	0.058	1.10	1.30	2.01	0.33	4.74	1.77	2.47	9.00
Row Cond & Inc-Fold.	26'	MFWD 190	37,600	100	10	0.063	1.47	1.77	0.59	0.54	4.38	3.15	4.20	11.74
Row Cond & Inc-Fold.	38'	MFWD 225	49,800	100	10	0.043	1.00	1.43	0.54	0.44	3.43	2.85	3.43	9.72
Row Cond & Inc-Rigid	13'	2WD 130	18,700	100	10	0.126	2.94	2.42	0.59	0.50	6.47	3.13	3.79	13.41
Row Cond & Inc-Rigid	21'	2WD 170	26,900	100	10	0.078	1.82	1.96	0.52	0.29	4.61	2.79	2.25	9.66
Row Cond & Inc-Rigid	26'	MFWD 190	29,300	100	10	0.026	0.61	0.74	0.19	0.22	1.78	1.03	1.76	4.57
Row Cond Folding	26'	MFWD 225	31,900	100	10	0.059	1.11	1.97	0.47	0.61	4.18	2.51	4.72	11.42
Row Cond Folding	38'	MFWD 225	40,100	100	10	0.040	0.76	1.35	0.40	0.41	2.94	2.16	3.23	8.34
Row Cond Rigid	13'	2WD 130	12,900	100	10	0.119	2.23	2.28	0.38	0.47	5.38	2.03	3.57	10.99

(continued)

Appendix Table 3. Towed Equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2025 (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---------------------							
Row Cond Rigid	21'	2WD 170	21,200	100	10	0.073	1.38	1.85	0.39	0.27	3.89	2.07	2.12	8.09
Row Cond Rigid	26'	MFWD 190	23,600	100	10	0.059	1.11	1.67	0.35	0.51	3.65	1.86	3.95	9.46
Row Cond./Roll-Fol	30'	MFWD 190	69,000	160	10	0.062	1.16	1.74	1.07	0.53	4.52	3.56	4.13	12.23
Row Cond./Roll-Fold.	26'	MFWD 190	38,000	160	10	0.072	1.34	2.01	0.68	0.61	4.66	2.26	4.77	11.70
Row Cond./Roll-Fold.	40'	MFWD 225	57,100	160	10	0.046	0.87	1.55	0.66	0.47	3.57	2.21	3.70	9.49
Row Cond./Roll-Rig	21'	MFWD 190	38,400	160	10	0.089	1.66	2.49	0.85	0.76	5.78	2.83	5.91	14.53
Row Cond./Roll-Rig	26'	MFWD 190	42,300	160	10	0.072	1.34	2.01	0.76	0.61	4.74	2.52	4.77	12.04
Spin Spreader	5 ton	MFWD 190	14,500	100	8	0.042	1.16	1.17	0.34	0.36	3.04	0.85	2.78	6.69
Spray (ATV Ropewick)	75"	800 CC	730	200	8	0.260	6.04	0.53	0.08	0.49	7.17	0.13	2.37	9.67
Spray (ATV)	20'	800 CC	1,440	200	8	0.084	1.96	0.17	0.05	0.16	2.35	0.08	0.77	3.21
Spray (Band)	27' Fold	MFWD 170	5,810	200	8	0.062	1.45	1.56	0.17	0.42	3.61	0.25	3.28	7.16
Spray (Band)	40' Fold	MFWD 170	10,350	200	8	0.042	0.98	1.05	0.20	0.28	2.53	0.30	2.21	5.05
Spray (Band)	50' Fold	MFWD 170	9,670	200	8	0.033	0.78	0.84	0.15	0.22	2.01	0.22	1.77	4.02
Spray (Band)	60' Fold	MFWD 170	18,600	200	8	0.028	0.65	0.70	0.24	0.19	1.79	0.36	1.47	3.64
Spray (Bcast/HB)	13' Rigid	MFWD 150	9,170	200	8	0.130	3.02	2.87	0.55	0.73	7.18	0.83	5.47	13.49
Spray (Bcast/HB)	20' Rigid	MFWD 150	10,700	200	8	0.084	1.96	1.86	0.42	0.47	4.73	0.63	3.55	8.92
Spray (Bcast/HB)	27' Fold	MFWD 170	13,600	200	8	0.062	1.45	1.56	0.39	0.42	3.84	0.59	3.28	7.73
Spray (Bcast/HB)	27' Rigid	MFWD 170	12,600	200	8	0.062	1.45	1.56	0.37	0.42	3.81	0.55	3.28	7.66
Spray (Bcast/HB)	30' Fold	MFWD 170	19,400	200	8	0.056	1.30	1.41	0.51	0.38	3.61	0.76	2.95	7.34
Spray (Bcast/HB)	40' Fold	MFWD 170	23,200	200	8	0.042	0.98	1.05	0.46	0.28	2.78	0.68	2.21	5.69
Spray (Broadcast)	27'	MFWD 170	5,810	200	8	0.062	1.45	1.56	0.17	0.42	3.61	0.25	3.28	7.16
Spray (Broadcast)	40'	MFWD 170	10,350	200	8	0.042	0.98	1.05	0.20	0.28	2.53	0.30	2.21	5.05
Spray (Broadcast)	50'	MFWD 170	9,670	200	8	0.033	0.78	0.84	0.15	0.22	2.01	0.22	1.77	4.02
Spray (Broadcast)	60'	MFWD 170	18,600	200	8	0.028	0.65	0.70	0.24	0.19	1.79	0.36	1.47	3.64
Spray (Direct/Hood)	8R-30	MFWD 170	19,800	200	8	0.084	1.96	2.11	0.78	0.57	5.44	1.17	4.43	11.05
Spray (Direct/Hood)	8R-38	MFWD 170	20,600	200	8	0.066	1.55	1.67	0.64	0.45	4.32	0.96	3.50	8.80
Spray (Direct/Hood)	12R-30	MFWD 170	27,100	200	8	0.056	1.30	1.41	0.71	0.38	3.82	1.07	2.95	7.85
Spray (Direct/Hood)	12R-38	MFWD 170	28,200	200	8	0.044	1.03	1.11	0.58	0.30	3.03	0.88	2.33	6.25
Spray (Direct/Layby)	8R-30	MFWD 170	19,500	200	8	0.084	1.96	2.11	0.77	0.57	5.42	1.15	4.43	11.02
Spray (Direct/Layby)	8R-38	MFWD 170	19,500	200	8	0.066	1.55	1.67	0.61	0.45	4.29	0.91	3.50	8.71
Spray (Direct/Layby)	8R-38 2x1	MFWD 170	29,500	200	8	0.044	1.03	1.11	0.61	0.30	3.06	0.92	2.33	6.32
Spray (Direct/Layby)	12R-30	MFWD 170	29,500	200	8	0.056	1.30	1.41	0.78	0.38	3.88	1.16	2.95	8.01
Spray (Direct/Layby)	12R-38	MFWD 170	29,500	200	8	0.044	1.03	1.11	0.61	0.30	3.06	0.92	2.33	6.32
Spray (Direct/Layby)	16R-20/30	MFWD 225	34,600	200	8	0.062	1.45	2.07	1.01	0.64	5.18	1.52	4.95	11.66
Spray (Levee Leaper)	50'	MFWD 225	22,200	200	8	0.033	0.78	1.12	0.35	0.34	2.60	0.52	2.67	5.80
Spray (Pull Type)	60'	MFWD 225	75,100	200	8	0.028	0.65	0.93	0.99	0.28	2.87	1.48	2.22	6.58
Spray (Pull Type)	80'	MFWD 225	69,400	200	8	0.021	0.49	0.70	0.68	0.21	2.09	1.03	1.67	4.79
Spray (Pull Type)	90'	MFWD 225	70,400	200	8	0.018	0.43	0.62	0.62	0.19	1.87	0.92	1.48	4.28
Spray (Pull Type)	120'	MFWD 225	127,000	200	8	0.014	0.32	0.46	0.83	0.14	1.77	1.25	1.11	4.14
Spray (Ropewick)	20'	MFWD 190	3,630	200	8	0.084	1.96	2.36	0.14	0.72	5.20	0.21	5.60	11.01
Spray (Spot)	27'	MFWD 170	5,810	200	8	0.062	1.45	1.56	0.17	0.42	3.61	0.25	3.28	7.16
Spray (Spot)	40'	MFWD 170	10,350	200	8	0.042	0.98	1.05	0.20	0.28	2.53	0.30	2.21	5.05
Spray (Spot)	50'	MFWD 170	9,670	200	8	0.033	0.78	0.84	0.15	0.22	2.01	0.22	1.77	4.02
Spray (Spot)	60'	MFWD 225	18,600	200	8	0.028	0.65	0.93	0.24	0.28	2.12	0.36	2.22	4.72
Stalk Shredder	14'	MFWD 150	37,500	200	10	0.117	2.20	2.60	3.86	0.66	9.33	2.92	4.95	17.21
Stalk Shredder Flex	20'	MFWD 150	33,100	200	10	0.082	1.54	1.82	2.38	0.46	6.21	1.80	3.46	11.49
Stalk Shredder-Flail	12'	MFWD 150	32,200	200	10	0.137	2.56	3.03	3.87	0.77	10.25	2.92	5.78	18.96
Stalk Shredder-Flail	15'	MFWD 150	35,700	200	10	0.110	2.05	2.42	3.43	0.61	8.53	2.59	4.62	15.75
Stalk Shredder-Flail	18'	MFWD 150	53,400	200	10	0.091	1.71	2.02	4.28	0.51	8.53	3.23	3.85	15.62
Stalk Shredder-Flail	20'	MFWD 150	47,500	200	10	0.082	1.54	1.82	3.42	0.46	7.25	2.59	3.46	13.31
Stalk Shredder-Flail	25'	MFWD 150	72,200	200	10	0.066	1.23	1.45	4.16	0.37	7.23	3.14	2.77	13.15
Strip Till	8R-38	MFWD 225	71,400	150	10	0.061	1.15	2.04	1.90	0.62	5.72	3.87	4.87	14.47
Strip Till	12R-30	MFWD 225	121,000	150	10	0.061	1.15	2.04	3.23	0.62	7.05	6.57	4.87	18.49
Strip Till	12R-40	MFWD 225	122,000	150	10	0.046	0.86	1.53	2.44	0.47	5.31	4.96	3.65	13.93
Subsoiler	3 shank	MFWD 190	6,140	100	15	0.204	3.81	5.71	0.41	1.74	11.70	1.37	13.53	26.61
Subsoiler	4 shank	MFWD 225	15,100	100	15	0.153	2.87	5.08	0.77	1.56	10.30	2.54	12.14	24.99
Subsoiler	5 shank	MFWD 225	18,600	100	15	0.122	2.28	4.05	0.75	1.25	8.34	2.49	9.67	20.51
Subsoiler low-till	6 shank	MFWD 225	28,200	100	15	0.102	1.90	3.38	0.96	1.04	7.29	3.16	8.07	18.53
Subsoiler low-till	8 shank	MFWD 225	25,700	100	15	0.076	1.43	2.53	0.65	0.78	5.40	2.15	6.04	13.61

Notes:
Labor: Includes labor from Power unit plus additional labor from the implement.
Total Direct: Does not include interest on operating capital.

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2025

ITEM NAME	UNIT	PRICE
		dollars
ADJUVANTS		
Agri-Dex	pt	4.03
AMS SuperMax	pt	3.81
Class Act NG	pt	5.00
Crop Oil Conc.(Pet.)	pt	2.86
Crop Oil Conc.(Veg.)	pt	2.90
Dyne-A-Pak	pt	4.17
Fire-Zone	pt	5.33
Herbimax	pt	2.75
Induce	pt	4.27
MSO	pt	3.50
Penetrator Plus	pt	2.18
Surfactant	pt	3.30
CLEANING		
Cleaning Peanuts	ton	18.00
CROP CONSULTANT		
Corn Consultant	acre	6.00
Cotton Consultant	acre	8.00
Peanut Consultant	acre	9.25
Rice Consultant	acre	8.00
Sorghum Consultant	acre	6.00
Soybeans Consultant	acre	6.50
Wheat Consultant	acre	5.50
CUSTOM FERTILIZE		
App Fert by Air	cwt	13.60
App Fert by Air(Mi	appl	13.60
Custom Apply Fert	acre	9.00
CUSTOM LIME		
Lime (Spread)	ton	51.39
CUSTOM PLANT		
Custom Plant	acre	7.50
Custom Plant Air	cwt	8.43
CUSTOM SPRAY		
App by Air (3 gal)	appl	7.50
App by Air (5 gal)	appl	8.05
App by Air (10 gal)	appl	9.50
Custom Spray Ground	acre	8.65
DRYING		
Dry Corn	bu	0.19
Dry Grain Sorghum	cwt	0.25
Dry Peanuts	ton	24.00
Dry Rice	bu	0.40
ERADICATION FEE		
Eradication	acre	1.00
FERTILIZERS		
Agrotain Ultra	pt	12.50
Amm Sulfate (21% N)	cwt	22.40
Boron Plus	pt	3.77
DAP	cwt	36.68
Fert 10-34-0	cwt	33.00
Fert 10-34-0	gal	3.85
Fert 11-37-0	cwt	33.00
Fert 41-0-0-4	cwt	38.00
Lime	ton	41.39
NBPT	pt	18.00
Phosphorus(46% P2O5)	cwt	29.10
Potash (60% K2O)	cwt	27.09
Sulfur Plus	pt	2.62
UAN (32% N)	cwt	21.78
UAN (32%)	gal	2.41
UAN + Sulfur (28%)	cwt	24.80
UAN + Sulfur (28%)	gal	2.76
Urea, Solid (46% N)	cwt	25.98
Zinc Plus	pt	3.63
FUNGICIDES		
Abound	oz	1.29
Alfa Guard	lb	1.67
Allegiance Flowabl	oz	6.33
Ameristar Top	oz	2.76
Approach Prima	pt	34.65
Apron Maxx RTA	oz	1.01
Artisan	oz	0.70
		dollars
Avaris	oz	1.96
Avicta 500 Soybean	oz	2.14
Bravo Weather Stick	pt	3.49
Captan 4L	pt	4.50
Convoy	oz	1.02
Cotton Seed Trt.	acre	20.00
CruiserMaxx Vibrance	oz	4.46
Elatus	oz	3.65
Flint Extra	oz	10.11
Headline EC	oz	1.32
Miravis Ace	oz	1.48
Miravis Top	oz	1.46
Priaxor Xemium	oz	4.26
Propimax EC	pt	18.20
Prosaro	oz	1.81
Provost Optimum	oz	2.17
Provost Silver	oz	1.52
Quadris	oz	1.70
Quadris Top	oz	3.20
Quadris Top SBX	oz	3.68
Quilt	pt	4.00
Quilt XCEL	pt	26.69
Stratego	pt	22.50
Stratego YLD	oz	3.32
Tilt 3.6 EC	oz	0.87
Tilt/ Bravo SE	oz	0.87
Trivapro	oz	1.47
GINNING		
Gin & Haul	lb	0.11
GROWTH REGULATORS		
Mepex	oz	0.09
Mepichlor 4.2%	oz	0.09
Mepiquat	oz	0.05
Mepstar 6	oz	0.53
Palisade	oz	1.48
Pentia	oz	0.41
Pix WSG	oz	1.16
Stance	oz	1.50
Veto	oz	0.07
HARVEST AIDS		
Adios	oz	0.99
Boll Buster	oz	0.34
Def/Folex	pt	7.75
Defol 5	gal	8.40
Display	oz	10.59
Ethephon 6E	pt	4.76
Finish 6	pt	11.17
Folex 6EC	pt	7.75
Freefall SC	oz	1.09
Ginstar EC	pt	29.72
Gramoxone SL	oz	0.32
Sharpen	oz	7.46
Sodium Chlorate 5L	gal	8.40
SuperBoll	oz	0.33
Thidiazuron 4lb	oz	1.09
Tribufos 6lb	pt	14.70
Vacate	oz	1.39
HAULING		
Haul Corn	bu	0.31
Haul Peanuts	ton	14.50
Haul Rice	bu	0.30
Haul Sorghum	bu	0.35
Haul Soybeans	bu	0.29
Haul Wheat	bu	0.30
HERBICIDES		
2,4-D Amine 4	pt	2.23
2,4-D Ester	pt	3.14
AAtrex 4L	pt	2.98
Accent Q	oz	24.48
Acuron	oz	0.57
Aim	oz	7.34
Aim 2EC	oz	7.34

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2025 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Anthem Flex	oz	6.68	Halomax	oz	21.28
Anthem Maxx	oz	4.79	Harmony Extra SG	oz	14.64
Armezon Pro	oz	1.22	Helmet	oz	0.61
Atrazine 4L	pt	2.18	HighCard	oz	1.14
Atrazine 90DF	lb	4.32	Huskie	oz	0.91
Authority First	lb	48.45	Impact	oz	16.26
Authority Elite	pt	14.50	Intimidator	oz	0.64
Authority Maxx	lb	43.48	Leadoff	oz	6.55
Authority MTZ	lb	19.75	League	oz	4.61
Avatar	pt	8.04	Lexar	pt	5.16
Avenger	pt	13.75	Liberty 280	oz	0.46
Axial XL	oz	1.71	Loyant	oz	2.64
Axiom	oz	2.25	Makaze	oz	0.17
Banvel	pt	3.86	Metolachlor	pt	5.66
Barrage	pt	3.83	Metribuzin 4L	pt	12.60
Basagran	pt	5.43	Metribuzin 75	lb	9.05
Boundary	pt	10.19	MSMA	pt	3.97
Brake	oz	1.39	Newpath	oz	4.50
Broadaxe	pt	13.50	Obey	oz	1.12
Broadhead	lb	58.21	Osprey	oz	4.70
Bucaneer Plus	pt	2.16	Outlook	pt	14.94
Buctril	pt	4.28	Panther Pro	oz	3.46
Butyrac 200 (2,4-DB)	pt	3.38	Parallel	pt	4.52
Cadre	oz	2.20	Paraquat	oz	0.13
Callisto	oz	2.99	Parazone 3SL	oz	0.61
Canopy	oz	3.25	Permit	oz	23.42
Caparol	pt	5.00	Permit Plus	oz	23.86
Capreno	oz	4.10	PowerFlex	oz	8.02
Cinch	pt	14.18	Preface	oz	0.55
Cinch ATZ	pt	6.26	Prefix	pt	7.54
Clarity	pt	15.00	Provisia	oz	0.92
Classic	oz	20.19	Prowl 3.3 EC	pt	6.63
Clearpath	oz	4.46	Quelex	oz	9.52
Clethodim 2E	oz	0.23	RealmQ	oz	4.97
Clincher SF	oz	2.69	RebelEx	oz	2.23
Cobra	oz	0.75	Reflex	pt	8.18
Command 3ME	pt	14.95	Regiment	oz	48.18
Corvus	oz	6.07	Resicore	oz	0.41
Cotoran	pt	7.34	Resource	oz	2.30
Cotton Pro	pt	3.45	RiceBeaux	pt	6.72
Dicamba	pt	4.20	Riceshot	pt	4.68
Direx	pt	3.22	Ricestar HT	pt	27.50
Diuron	pt	3.09	Ringside	pt	5.44
Dual II Magnum	pt	12.64	Roundup Power Max	oz	0.18
Dual Magnum	pt	10.11	Roundup PowerMax	pt	2.85
Duet	pt	6.03	Roundup PowerMax ii	oz	0.31
Engenia	oz	1.06	Roundup Pro	pt	0.20
Enlist Duo	pt	6.89	Scepter 70 DG	oz	6.04
Enlist One	pt	7.57	Select Max	pt	15.01
Envive	oz	3.99	Sencor/Tricor.Metrib	lb	10.53
Envoke	oz	100.77	Sequence	pt	7.72
Facet L	pt	17.36	Sharpen	oz	7.46
Fierce	oz	7.75	Sinister	pt	11.75
Fierce XLT	oz	4.74	Sonic	oz	3.80
Finesse	oz	15.75	Stalwart	pt	6.39
Firestorm	pt	3.44	Stam 80 EDF	lb	9.45
First Rate	oz	34.50	Stam M4	qt	7.85
Flexstar	pt	8.98	Staple LX	oz	8.28
Flexstar GT	pt	6.75	Storm	pt	12.97
Fusilade DX	oz	1.06	Strada	oz	7.34
Gambit	oz	18.07	Strada Pro	oz	7.49
Glyphosate 3lbs a.e	pt	1.85	Strada XT2	oz	3.26
Glyphosate 3lbs a.e	oz	0.12	Superwham	qt	9.39
Goal 2XL	pt	8.40	Suprend	lb	13.52
Gramoxone SL 2.0	oz	0.32	SureStart II	oz	0.45
Grandstand R	pt	21.42	Surveil	oz	6.70
Grasp	oz	13.56	Synchrony XP	oz	12.00
Grasp Xtra	oz	1.72	Tavium	gal	76.16
Halex GT	pt	6.11	Tempest	pt	27.52
			Touchdown Total	qt	10.21

(continued)

Appendix Table 4. Operating inputs: estimated prices, Mississippi, 2025 (continued)

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Treflan	pt	3.65	Mustang Max	oz	1.48
Trifluralin	pt	3.65	Nuprid 4F	oz	1.16
Triflurex	pt	3.47	Oberon	oz	3.67
Ultra Blazer	pt	5.44	Orthene 97	lb	27.26
Valor EZ	oz	5.27	Permethrin	oz	0.58
Valor SX	oz	3.06	Portal XLO	oz	0.74
Valor XLT	oz	3.59	Pounce 25WP	lb	19.96
Vamos	pt	6.49	Prevathon	oz	1.47
Verdict	oz	1.54	Python WDG	oz	19.25
Veritas	pt	7.49	Radiant	oz	6.87
Villain	pt	5.24	Sevin SL	pt	12.25
Volunteer	pt	10.63	Sevin XLR Plus	qt	19.25
Warrant	pt	4.60	Sivanto Prime	oz	3.18
XtendiMax	oz	0.92	Tempest	oz	1.72
Zidua SC	oz	5.51	Tenchu SG	oz	1.19
Zidua WG	oz	7.30	Transform WG	oz	9.34
INOCULANT			Up-Cyde	oz	0.84
Inoculant -Soybean	acre	1.55	Warrior II ZT	oz	3.02
Optimize LIFT	oz	0.58	Zeal	oz	7.91
INSECTICIDES			IRRIGATION SUPPLIES		
Abamectin .15EC	oz	0.31	Roll-Out Pipe	ft	0.24
Acephate 90%	lb	6.75	SEED/PLANTS		
Acephate 90SP	lb	6.75	Corn Seed BtRR	thous	3.61
Admire Pro	oz	2.19	Corn Seed Conv.	thous	3.80
Agri-Mek	oz	3.24	Corn Seed Op Leptra	thous	4.95
Asana .66 XL	oz	0.51	Corn Seed RR2	thous	4.55
Avenger	oz	0.86	Corn Seed VT2P	thous	3.79
Baythroid XL	oz	1.22	Cot. Seed B3XF/W3FE	thous	3.23
Belt	oz	6.41	Cotton Seed B3TXF	thous	3.27
Besiege	oz	2.91	Cotton Seed GLB2	thous	1.89
Bidrin 8EC	oz	1.60	Cotton Seed ThryvOn	thous	3.64
Bifenthrin	oz	0.48	Cotton Seed W3FE	thous	3.18
Bifenture 2EC	oz	0.47	Cotton Seed W3RF	thous	1.50
Brigade EC	pt	20.45	Peanut Seed	lb	1.15
Capture LFR	oz	1.32	Rice Conv Hyb Trt	lb	6.31
Centric 40WG	oz	7.29	Rice Fullpage Hyb Tr	lb	6.34
Cypermethrin	oz	0.65	Rice Seed CF(Levees)	lb	1.30
Declare	oz	1.73	Rice Seed Clearfield	lb	1.28
Diamond .83EC	oz	2.25	Rice Seed Conv.	lb	0.33
Dimethoate 4E	pt	8.51	Rice Seed Cv(Levees)	lb	0.33
Dimilin 2L	oz	2.45	Rice Seed CvH(Levee)	lb	1.93
Endigo	oz	2.04	Rice Seed FPH(Levee)	lb	6.34
Force 3G	lb	7.28	Rice Seed Max-Ace	lb	8.89
Hero	oz	1.36	Rice Seed Provisia	lb	1.32
Imidacloprid 4F	oz	0.48	Rice Seed Trt/Insect	lbseed	0.29
Imidan 70 WSB	oz	1.55	Sorghum Concept	lb	4.20
IncidentalPestTrt $8	acre	8.00	Sorghum Concept+ Po	lb	4.16
IncidentalPestTrt$15	acre	15.00	Soybean Enlist E3	lb	1.03
IncidentalPestTrt$22	acre	22.00	Soybean Seed LL	lb	1.32
IncidentalPestTrt$30	acre	30.00	Soybean Seed RR2	lb	1.15
Intrepid 2F	oz	2.28	Soybean Seed RR2X	lb	1.16
Intruder 70WSP	oz	1.13	Wheat Seed Private	lb	0.24
LambdaT	oz	2.10	SOIL TEST		
Lannate LV	pt	8.60	Soil Test	acre	10.00
Macho	oz	0.66	SURVEY & MARK LEVEES		
Malathion 8E	pt	9.84	Survey & Mark Levees	acre	4.50
			Survey & Mark Levees	acre	4.50

Appendix Table 5. Estimated fuel prices and interest rates, Mississippi, 2025

ITEM NAME	UNIT	PRICE
		dollars
FUEL TYPES		
Diesel Fuel	gal	2.86
Gasoline	gal	2.96
INTEREST RATES		
Short-term	%	8.25
Intermediate-term	%	8.50

Appendix Table 6. Labor types, wage rates and unallocated labor Multipliers for crop enterprises, Mississippi, 2025

Item name	Unit	Wage Rate
OPERATOR LABOR	hour	18.69
IRRIGATE LABOR	hour	9.06
HAND LABOR	hour	9.06
HAND. & STOR. LABOR	hour	9.06
RICE MGT. LABOR	hour	9.06

CROP ENTERPRISE	UNALLOCATED LABOR MULTIPLIERS (%)
Corn	90
Cotton	80
Grain Sorghum	90
Peanuts	80
Rice	90
Soybeans	90
Wheat	80

Appendix Table 7. Futures contract prices, basis levels, forward contract prices, and loan rates used in row crop budgets, Mississippi, 2025

Crop	unit	Futures Contract Month	Futures Contract Price[a]	Basis[b]	Forward Contract Price[c]	Loan Rate[d]	Budget Price[e]
Corn	bu	Dec '25	4.57	-0.08	4.49	2.35	4.49
Cotton Lint	lb	Dec '25	0.7352	-0.0151	0.7201	0.52	0.7201
Cottonseed	lb						0.11[f]
Grain Sorghum	bu				4.27	4.09	4.27
Peanuts	ton				475.00	354.89	475.00
Soybeans	bu	Nov '25	10.88	-0.01	10.87	6.41	10.87
Rice	bu	Nov '25	6.16	-0.16	6.00	3.21	6.00
Wheat	bu	Jul '25	6.41	-0.14	6.27	3.60	6.27

[a] Average of the daily closing futures contract prices during the first 5 trading days in October 2024 for the stated contract months.

[b] Basis is the cash price minus the futures contract price for the stated contract month. The reported basis is a daily average from 2009 to 2024 for corn, soybeans and wheat at Greenville, MS. Rice basis is a weekly average price for river point delivery. June harvest delivery for wheat. September harvest delivery for corn, rice and soybeans. October harvest delivery for cotton.

[c] The forward contract price for corn, cotton, rice, soybeans and wheat is the futures contract price plus the basis. The forward contract price for grain sorghum is 95% of the forward contract price for corn. The forward contract price for peanuts is an estimate from a poll of Extension Peanut Marketing Specialists.

[d] Average Mississippi County CCC Loan Rate for 2024 crop year for corn, grain sorghum, soybeans and wheat. Mississippi CCC 2024 Farm-stored Loan Rate for long grain rough rice. National 2024 Upland Cotton Marketing Assistance Loan Base Rate for cotton lint.

[e] Price used in MSU Extension Service Planning Budgets.

[f] Cottonseed price is the average marketing year price over the years 2008-2024.

Appendix Table 8 Estimated costs for field operations, per acre
Cotton irrigated with roll-out pipe
160-acre roll-out pipe system, 10.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Land Plane	50'x16'		1.06	0.42	0.71		0.02	2.21	2.85	5.06
Set Up Engine										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Ditcher (1m/160a)			0.23	0.09	0.18		0.02	0.52	0.53	1.05
Roll-Out Pipe	ft	7.92					0.27	8.19		8.19
Lay Roll-out Pipe										
Pipe Spool 160ac	1/4m roll		0.31	0.13	0.46		0.03	0.93	1.31	2.24
IRRIGATE LABOR	hour				1.81		0.06	1.87		1.87
Apply Water										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Apply Water										
IRRIGATE LABOR	hour				0.23		0.01	0.24		0.24
Apply Water										
IRRIGATE LABOR	hour				0.23			0.23		0.23
Pick Up Pipe										
Pipe Spool 160ac	1/4m roll		0.47	0.20	0.69		0.02	1.38	1.96	3.34
Land Forming ($450)	each								43.97	43.97
Well & Pump, Furrow	each			2.96			0.10	3.06	12.03	15.09
Main Line Pipe	each								6.65	6.65
Engine, RPF, 75	each								11.82	11.82
June Irrigation	ac-in		8.15	1.40			0.33	9.88		9.88
July Irrigation	ac-in		8.15	1.40			0.26	9.81		9.81
August Irrigation	ac-in		8.15	1.40			0.20	9.75		9.75
TOTALS		7.92	26.52	8.00	4.77	0.00	1.34	48.55	81.12	129.67

Note: Cost of production estimates are based on 2024 input prices.

Appendix Table 9 Estimated costs for field operations, per acre
Cotton irrigated with center pivot
135-acre 1/4-mile pivot system, 7.5 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.27		0.01	0.28		0.28
Maintenance										
IRRIGATE LABOR	hour				1.07		0.04	1.11		1.11
Apply Water										
IRRIGATE LABOR	hour				0.15		0.01	0.16		0.16
Apply Water										
IRRIGATE LABOR	hour				0.20		0.01	0.21		0.21
Apply Water										
IRRIGATE LABOR	hour				0.15			0.15		0.15
Pivot, 1/4 CP	each			13.48			0.46	13.94	71.23	85.17
Well & Pump, 1/4 CP	each			3.50			0.12	3.62	14.26	17.88
Engine, 1/4 CP, 65	each								14.01	14.01
June Irr. 3app@.75"	ac-in		9.61	1.49			0.38	11.48		11.48
July Irr. 4app@.75"	ac-in		12.81	1.99			0.41	15.21		15.21
Aug Irr. 3app@.75"	ac-in		9.61	1.49			0.23	11.33		11.33
TOTALS		0.00	32.03	21.95	1.84	0.00	1.67	57.49	99.50	156.99

Note: Cost of production estimates are based on 2024 input prices.

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