FORAGE 2026 PLANNING BUDGETS

Mississippi State University
Department of Agricultural Economics
Budget Report 2025-08

April 2025

Foreword

This report is designed to provide necessary planning data to farmers, research and extension staff, lending agencies, and others in agriculture. Estimated costs for land, management, and general farm overhead are not included in this report.

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 farm supply dealers, equipment dealers, custom operators, and chemical companies who provided prices for crop production inputs.

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

2026 Budget Committees

Forage Committee
Josh Maples, MSU-ES, Chairman (Agricultural Economics)
John Byrd, MSU-ES (Weed Science)
Rocky Lemus, MSU-ES (Forages)
Brian Mills, MSU-ES (Agricultural Economics)

Supporting Committees

Equipment
Evan Gregory, MSU-ES

Prices
Evan Gregory, MSU-ES

Documentation and Data Processing
Evan Gregory, MSU-ES

Publication Review
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2026 Planning Budgets

Budgets for Agricultural Enterprises

This publication provides economic and technical information in the form of enterprise budgets for forage crops 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 for each enterprise (14). The purpose of this section is to present the methods and procedures used to calculate costs 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 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 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 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 individual and collective judgment of the committee members. Quantities of materials listed in each budget are based on generally accepted recommendations.

Machinery

Machinery manufacturers form the basis for machinery prices used in these publications. Prices by the 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 and 2).

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 costs 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 the 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 the 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 short-term 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 and hand labor. Operator labor and hand labor represent estimates of labor required to perform the in-field tasks. Operator labor is the labor required to operate all power-driven equipment

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 that 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.

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

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:

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

$$CRCPA = CRCPH \times PR$$

where:

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

Enterprise Budgets

Table 1A. Estimated resource use and costs for field operations, per acre
Conventional Alfalfa hay establishment, prepared
seedbed, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Apr							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	May							2.0000	51.39	102.78	102.78
Chisel Plow	15'	2WD 75	0.130	1.00	Aug	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	2.00	Aug	3.63	3.95	2.83	7.48	0.28	5.24				23.13
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Aug	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Pursuit	oz											3.0000	3.02	9.06	9.06
Clethodim	oz											8.0000	0.23	1.84	1.84
Surfactant	pt											0.3000	3.30	0.99	0.99
Disk Harrow	14'	2WD 75	0.140	1.00	Sep	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Section Harrow	13'	2WD 75	0.119	1.00	Sep	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Grain Drill	12'	2WD 75	0.157	1.00	Sep	2.03	2.21	3.26	7.88	0.31	4.36				19.74
Alfalfa Seed	lb											20.0000	4.39	87.80	87.80
Custom Spread(Truck)	appl			1.00	Sep							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.0000	29.10	29.10	29.10
Potash (60% K2O)	cwt											1.3000	27.09	35.22	35.22
Boron Plus	gal											2.0000	30.16	60.32	60.32
Molybdenum	lb											1.0000	27.37	27.37	27.37
TOTALS						11.52	12.53	8.75	21.73	1.07	18.35			366.78	439.66
INTEREST ON OPERATING CAPITAL															14.60
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															454.26

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.

Table 1B. Estimated costs per acre
Conventional Alfalfa hay establishment, prepared seedbed, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.0000	29.10	_________
Potash (60% K2O)	cwt	27.09	1.3000	35.22	_________
Boron Plus	gal	30.16	2.0000	60.32	_________
Molybdenum	lb	27.37	1.0000	27.37	_________
HERBICIDE					
Pursuit	oz	3.02	3.0000	9.06	_________
Clethodim	oz	0.23	8.0000	1.84	_________
SEED/PLANTS					
Alfalfa Seed	lb	4.39	20.0000	87.80	_________
ADJUVANTS					
Surfactant	pt	3.30	0.3000	0.99	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	1.0000	9.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	2.0000	102.78	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.8911	16.65	_________
HAND LABOR					
Implements	hour	9.06	0.1884	1.70	_________
DIESEL FUEL					
Tractors	gal	2.86	3.4402	9.84	_________
REPAIR & MAINTENANCE					
Implements	acre	8.75	1.0000	8.75	_________
Tractors	acre	1.68	1.0000	1.68	_________
INTEREST ON OP. CAP.	acre	14.60	1.0000	14.60	_________

TOTAL DIRECT EXPENSES				420.00	_________
FIXED EXPENSES					
Implements	acre	21.73	1.0000	21.73	_________
Tractors	acre	12.53	1.0000	12.53	_________

TOTAL FIXED EXPENSES				34.26	_________

TOTAL SPECIFIED EXPENSES				454.26	_________

Note: Cost of production estimates are based on 2024 input prices. **Fertilization and lime decisions should be based on soil test recommendations.**

Table 2A. Estimated resource use and costs for field operations, per acre
Conventional Alfalfa hay maintenance,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	PRICE	COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Nov							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Nov							0.5000	51.39	25.70	25.70
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Nov	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Metribuzin 75	lb											1.0000	9.05	9.05	9.05
Custom Spread(Truck)	appl			1.00	Mar							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											2.0000	29.10	58.20	58.20
Potash (60% K2O)	cwt											1.5000	27.09	40.64	40.64
Boron Plus	gal											0.5000	30.16	15.08	15.08
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Mar	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Pursuit	oz											3.0000	3.02	9.06	9.06
Surfactant	pt											0.3000	3.30	0.99	0.99
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Mar	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Mustang Max	oz											4.0000	1.48	5.92	5.92
Hay Cut-Cond	9'	2WD 75	0.229	1.00	May	2.96	3.22	5.07	6.63	0.22	4.28				22.16
Hay Tedder	17'	2WD 75	0.101	1.00	May	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	May	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Square	2WD 75	0.229	1.00	May	2.96	3.22	4.37	7.14	0.22	4.28				21.97
Twine	bun											0.0800	35.00	2.80	2.80
Hay Trailer	20'	2WD 75	0.090	1.00	May	1.16	1.27	0.12	0.25	0.09	1.68				4.48
Hay Haul (Conv)	ton											1.5000	25.00	37.50	37.50
Spray (Broadcast)	27'	2WD 75	0.062	1.00	May	0.83	1.02	0.17	0.26	0.09	1.45				3.73
Gramoxone SL 2.0	oz											12.0000	0.32	3.84	3.84
Surfactant	pt											0.3000	3.30	0.99	0.99
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Jun	0.83	1.02	0.17	0.26	0.09	1.45				3.73
Mustang Max	oz											4.0000	1.48	5.92	5.92
Hay Cut-Cond	9'	2WD 75	0.229	1.00	Jun	2.96	3.22	5.07	6.63	0.22	4.28				22.16
Hay Tedder	17'	2WD 75	0.101	1.00	Jun	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Jun	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Square	2WD 75	0.229	1.00	Jun	2.96	3.22	4.37	7.14	0.22	4.28				21.97
Twine	bun											0.0800	35.00	2.80	2.80
Hay Trailer	20'	2WD 75	0.090	1.00	Jun	1.16	1.27	0.12	0.25	0.09	1.68				4.48
Hay Haul (Conv)	ton											1.5000	25.00	37.50	37.50
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Jun	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Gramoxone SL 2.0	oz											12.0000	0.32	3.84	3.84
Surfactant	pt											0.3000	3.30	0.99	0.99
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Jun	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Poast	pt											1.0000	17.82	17.82	17.82
Crop Oil (veg)	pt											2.0000	2.90	5.80	5.80
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Potash (60% K2O)	cwt											1.5000	27.09	40.64	40.64
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Aug	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Mustang Max	oz											4.0000	1.48	5.92	5.92
Hay Cut-Cond	9'	2WD 75	0.229	1.00	Aug	2.96	3.22	5.07	6.63	0.22	4.28				22.16
Hay Tedder	17'	2WD 75	0.101	1.00	Aug	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Aug	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Square	2WD 75	0.229	1.00	Aug	2.96	3.22	4.37	7.14	0.22	4.28				21.97
Twine	bun											0.0500	35.00	1.75	1.75
Hay Trailer	20'	2WD 75	0.090	1.00	Aug	1.16	1.27	0.12	0.25	0.09	1.68				4.48
Hay Haul (Conv)	ton											1.0000	25.00	25.00	25.00
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Aug	0.83	1.02	0.17	0.26	0.09	1.45				3.73
Gramoxone SL 2.0	oz											12.0000	0.32	3.84	3.84
Surfactant	pt											0.3000	3.30	0.99	0.99
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Sep	0.83	1.02	0.17	0.26	0.09	1.45				3.73
Mustang Max	oz											4.0000	1.48	5.92	5.92
Hay Cut-Cond	9'	2WD 75	0.229	1.00	Sep	2.96	3.22	5.07	6.63	0.22	4.28				22.16
Hay Tedder	17'	2WD 75	0.101	1.00	Sep	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Sep	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Square	2WD 75	0.229	1.00	Sep	2.96	3.22	4.37	7.14	0.22	4.28				21.97
Twine	bun											0.0500	35.00	1.75	1.75
Hay Trailer	20'	2WD 75	0.090	1.00	Sep	1.16	1.27	0.12	0.25	0.09	1.68				4.48
Hay Haul (Conv)	ton											1.0000	25.00	25.00	25.00
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Sep	0.83	1.02	0.17	0.26	0.09	1.45				3.73
Gramoxone SL 2.0	oz											12.0000	0.32	3.84	3.84
Surfactant	pt											0.3000	3.30	0.99	0.99
Prorated Est Cost	acre				Sep							1.0000			48.00
TOTALS						53.01	58.26	45.91	68.42	4.44	79.59			421.38	774.57
INTEREST ON OPERATING CAPITAL															8.19
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															782.76

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.

Table 2B. Estimated costs per acre
Conventional Alfalfa hay maintenance,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	2.0000	58.20	_________
Potash (60% K2O)	cwt	27.09	3.0000	81.27	_________
Boron Plus	gal	30.16	0.5000	15.08	_________
HERBICIDE					
Metribuzin 75	lb	9.05	1.0000	9.05	_________
Pursuit	oz	3.02	3.0000	9.06	_________
Gramoxone SL 2.0	oz	0.32	48.0000	15.36	_________
Poast	pt	17.82	1.0000	17.82	_________
INSECTICIDE					
Mustang Max	oz	1.48	16.0000	23.68	_________
HAUL					
Hay Haul (Conv)	ton	25.00	5.0000	125.00	_________
OTHER					
Twine	bun	35.00	0.2600	9.10	_________
ADJUVANTS					
Surfactant	pt	3.30	1.5000	4.95	_________
Crop Oil (veg)	pt	2.90	2.0000	5.80	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
CUSTOM LIME					
Lime (Spread)	ton	51.39	0.5000	25.70	_________
OPERATOR LABOR					
Tractors	hour	18.69	4.0960	76.51	_________
HAND LABOR					
Implements	hour	9.06	0.3447	3.08	_________
DIESEL FUEL					
Tractors	gal	2.86	15.8123	45.19	_________
REPAIR & MAINTENANCE					
Implements	acre	45.91	1.0000	45.91	_________
Tractors	acre	7.82	1.0000	7.82	_________
INTEREST ON OP. CAP.	acre	8.19	1.0000	8.19	_________
TOTAL DIRECT EXPENSES				608.08	_________
FIXED EXPENSES					
Implements	acre	68.42	1.0000	68.42	_________
Tractors	acre	58.26	1.0000	58.26	_________
Prorated Est Cost	acre	48.00	1.0000	48.00	_________
TOTAL FIXED EXPENSES				174.68	_________
TOTAL SPECIFIED EXPENSES				782.76	_________

Note: Cost of production estimates are based on 2024 input prices. **Fertilization and lime decisions should be based on soil test recommendations.**

Table 3A. Estimated resource use and costs for field operations, per acre
Bahiagrass establishment, broadcast,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Mar								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Mar	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	1.00	Apr	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.83	1.02	0.17	0.26	0.09	1.45				3.73
Glyphosate 3lbs a.e.	pt											2.0000	1.85	3.70	3.70
Surfactant	pt											1.0000	3.30	3.30	3.30
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Disk Harrow	14'	2WD 75	0.140	1.00	Apr	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Section Harrow	13'	2WD 75	0.119	1.00	Apr	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Cyclone Spin	750Lb	2WD 75	0.200	1.00	Apr	2.59	2.81	0.28	1.22	0.30	4.65				11.55
Bahiagrass Seed	lb											20.0000	4.60	92.00	92.00
Cultipacker	12'	2WD 75	0.124	1.00	Apr	1.60	1.75	0.22	0.38	0.12	2.33				6.28
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
TOTALS						13.14	14.42	6.25	13.19	1.14	20.19			250.10	317.29
INTEREST ON OPERATING CAPITAL															12.58
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															329.87

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 3B. Estimated costs per acre
Bahiagrass establishment, broadcast,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	2.1400	50.05	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.0000	3.70	_________
SEED/PLANTS					
Bahiagrass Seed	lb	4.60	20.0000	92.00	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	1.0163	19.00	_________
HAND LABOR					
Implements	hour	9.06	0.1313	1.19	_________
DIESEL FUEL					
Tractors	gal	2.86	3.9235	11.22	_________
REPAIR & MAINTENANCE					
Implements	acre	6.25	1.0000	6.25	_________
Tractors	acre	1.92	1.0000	1.92	_________
INTEREST ON OP. CAP.	acre	12.58	1.0000	12.58	_________

TOTAL DIRECT EXPENSES				302.26	_________
FIXED EXPENSES					
Implements	acre	13.19	1.0000	13.19	_________
Tractors	acre	14.42	1.0000	14.42	_________

TOTAL FIXED EXPENSES				27.61	_________

TOTAL SPECIFIED EXPENSES				329.87	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 4A. Estimated resource use and costs for field operations, per acre
Bahiagrass establishment, drilled on prepared seed bed,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars		dollars		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			0.33	Mar								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Mar	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	1.00	Apr	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.0000	1.85	3.70	3.70
Surfactant	pt											1.0000	3.30	3.30	3.30
Disk Harrow	14'	2WD 75	0.140	1.00	Apr	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Section Harrow	13'	2WD 75	0.119	1.00	Apr	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Grain Drill	12'	2WD 75	0.157	1.00	Apr	2.03	2.21	3.26	7.88	0.31	4.36				19.74
Bahiagrass Seed	lb											20.0000	4.60	92.00	92.00
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
TOTALS						10.96	11.93	9.01	19.47	1.03	17.57			250.10	319.04
INTEREST ON OPERATING CAPITAL															14.43
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															333.47

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 4B. Estimated costs per acre
Bahiagrass establishment, drilled on prepared seed bed,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	2.1400	50.05	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.0000	3.70	_________
SEED/PLANTS					
Bahiagrass Seed	lb	4.60	20.0000	92.00	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.8490	15.87	_________
HAND LABOR					
Implements	hour	9.06	0.1884	1.70	_________
DIESEL FUEL					
Tractors	gal	2.86	3.2777	9.37	_________
REPAIR & MAINTENANCE					
Implements	acre	9.01	1.0000	9.01	_________
Tractors	acre	1.59	1.0000	1.59	_________
INTEREST ON OP. CAP.	acre	14.43	1.0000	14.43	_________

TOTAL DIRECT EXPENSES				302.07	_________
FIXED EXPENSES					
Implements	acre	19.47	1.0000	19.47	_________
Tractors	acre	11.93	1.0000	11.93	_________

TOTAL FIXED EXPENSES				31.40	_________

TOTAL SPECIFIED EXPENSES				333.47	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 5A. Estimated resource use and costs for field operations, per acre
Bahiagrass establishment, no-till,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			0.33	Mar								51.39		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.0000	1.85	3.70	3.70
Surfactant	pt											1.0000	3.30	3.30	3.30
NT Grain Drill	12'	2WD 75	0.196	1.00	Apr	2.54	2.76	4.69	11.33	0.39	5.45				26.77
Bahiagrass Seed	lb											20.0000	4.60	92.00	92.00
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
TOTALS						4.61	5.02	6.54	13.07	0.58	8.74			250.10	288.08
INTEREST ON OPERATING CAPITAL															13.43
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															301.51

Note: Cost of production estimates are based on 2024 input prices.
Bahiagrass planted to increase the production of an existing stand.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 5B. Estimated costs per acre
Bahiagrass establishment, no-till,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	2.1400	50.05	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.0000	3.70	_________
SEED/PLANTS					
Bahiagrass Seed	lb	4.60	20.0000	92.00	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3573	6.68	_________
HAND LABOR					
Implements	hour	9.06	0.2277	2.06	_________
DIESEL FUEL					
Tractors	gal	2.86	1.3793	3.94	_________
REPAIR & MAINTENANCE					
Implements	acre	6.54	1.0000	6.54	_________
Tractors	acre	0.67	1.0000	0.67	_________
INTEREST ON OP. CAP.	acre	13.43	1.0000	13.43	_________

TOTAL DIRECT EXPENSES				283.42	_________
FIXED EXPENSES					
Implements	acre	13.07	1.0000	13.07	_________
Tractors	acre	5.02	1.0000	5.02	_________

TOTAL FIXED EXPENSES				18.09	_________

TOTAL SPECIFIED EXPENSES				301.51	_________

Note: Cost of production estimates are based on 2024 input prices.
Bahigrass planted to increase the production of an existing stand.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 6A. Estimated resource use and costs for field operations, per acre
Bahiagrass establishment, no-till pasture renovation,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			0.33	Mar								51.39		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Gramoxone SL 2.0	oz											16.0000	0.32	5.12	5.12
Surfactant	pt											0.3000	3.30	0.99	0.99
NT Grain Drill	12'	2WD 75	0.196	1.00	Apr	2.54	2.76	4.69	11.33	0.39	5.45				26.77
Bahiagrass Seed	lb											20.0000	4.60	92.00	92.00
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
TOTALS						4.61	5.02	6.54	13.07	0.58	8.74			249.21	287.19
INTEREST ON OPERATING CAPITAL															13.38
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															300.57

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate Prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 6B. Estimated costs per acre
Bahiagrass establishment, no-till pasture renovation,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	2.1400	50.05	_________
HERBICIDE					
Gramoxone SL 2.0	oz	0.32	16.0000	5.12	_________
SEED/PLANTS					
Bahiagrass Seed	lb	4.60	20.0000	92.00	_________
ADJUVANTS					
Surfactant	pt	3.30	0.3000	0.99	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3573	6.68	_________
HAND LABOR					
Implements	hour	9.06	0.2277	2.06	_________
DIESEL FUEL					
Tractors	gal	2.86	1.3793	3.94	_________
REPAIR & MAINTENANCE					
Implements	acre	6.54	1.0000	6.54	_________
Tractors	acre	0.67	1.0000	0.67	_________
INTEREST ON OP. CAP.	acre	13.38	1.0000	13.38	_________

TOTAL DIRECT EXPENSES				282.48	_________
FIXED EXPENSES					
Implements	acre	13.07	1.0000	13.07	_________
Tractors	acre	5.02	1.0000	5.02	_________

TOTAL FIXED EXPENSES				18.09	_________

TOTAL SPECIFIED EXPENSES				300.57	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle

Table 7A. Estimated resource use and costs for field operations, per acre
Seeded bermudagrass establishment, broadcast seed,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Mar								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Mar	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	1.00	Apr	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.0000	1.85	3.70	3.70
Surfactant	pt											1.0000	3.30	3.30	3.30
Disk Harrow	14'	2WD 75	0.140	1.00	Apr	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Section Harrow	13'	2WD 75	0.119	1.00	Apr	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Cyclone Spin	750Lb	2WD 75	0.200	1.00	Apr	2.59	2.81	0.28	1.22	0.30	4.65				11.55
Common Bermuda Seed	lb											10.0000	3.98	39.80	39.80
Cultipacker	12'	2WD 75	0.124	1.00	Apr	1.60	1.75	0.22	0.38	0.12	2.33				6.28
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
TOTALS						13.12	14.28	6.25	13.19	1.14	20.19			197.90	264.93
INTEREST ON OPERATING CAPITAL															10.07
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															275.00

Note: Cost of production estimates are based on 2024 input prices.
If using coated bermuda seed, increase seeding rate to 15 pounds per acre.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 7B. Estimated costs per acre
Seeded bermudagrass establishment, broadcast seed,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	2.1400	50.05	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.0000	3.70	_________
SEED/PLANTS					
Common Bermuda Seed	lb	3.98	10.0000	39.80	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	1.0163	19.00	_________
HAND LABOR					
Implements	hour	9.06	0.1313	1.19	_________
DIESEL FUEL					
Tractors	gal	2.86	3.9235	11.22	_________
REPAIR & MAINTENANCE					
Implements	acre	6.25	1.0000	6.25	_________
Tractors	acre	1.90	1.0000	1.90	_________
INTEREST ON OP. CAP.	acre	10.07	1.0000	10.07	_________

TOTAL DIRECT EXPENSES				247.53	_________
FIXED EXPENSES					
Implements	acre	13.19	1.0000	13.19	_________
Tractors	acre	14.28	1.0000	14.28	_________

TOTAL FIXED EXPENSES				27.47	_________

TOTAL SPECIFIED EXPENSES				275.00	_________

Note: Cost of production estimates are based on 2024 input prices.
If using coated bermuda seed, increase seeding rate to 15 pounds per acre.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 8A. Estimated resource use and costs for field operations, per acre
Seeded bermudagrass establishment, no-till,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			0.33	Mar								51.39		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.0000	1.85	3.70	3.70
Surfactant	pt											1.0000	3.30	3.30	3.30
NT Grain Drill	12'	2WD 75	0.196	1.00	Apr	2.54	2.76	4.69	11.33	0.39	5.45				26.77
Common Bermuda Seed	lb											10.0000	3.98	39.80	39.80
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
TOTALS						4.61	5.02	6.54	13.07	0.58	8.74			197.90	235.88
INTEREST ON OPERATING CAPITAL															10.56
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															246.44

Note: Cost of production estimates are based on 2024 input prices.
If using coated bermuda seed, increase seeding rate to 15 pounds per acre.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 8B. Estimated costs per acre
Seeded bermudagrass establishment, no-till,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	2.1400	50.05	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.0000	3.70	_________
SEED/PLANTS					
Common Bermuda Seed	lb	3.98	10.0000	39.80	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3573	6.68	_________
HAND LABOR					
Implements	hour	9.06	0.2277	2.06	_________
DIESEL FUEL					
Tractors	gal	2.86	1.3793	3.94	_________
REPAIR & MAINTENANCE					
Implements	acre	6.54	1.0000	6.54	_________
Tractors	acre	0.67	1.0000	0.67	_________
INTEREST ON OP. CAP.	acre	10.56	1.0000	10.56	_________

TOTAL DIRECT EXPENSES				228.35	_________
FIXED EXPENSES					
Implements	acre	13.07	1.0000	13.07	_________
Tractors	acre	5.02	1.0000	5.02	_________

TOTAL FIXED EXPENSES				18.09	_________

TOTAL SPECIFIED EXPENSES				246.44	_________

Note: Cost of production estimates are based on 2024 input prices.
If using coated bermuda seed, increase seeding rate to 15 pounds per acre.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 9A. Estimated resource use and costs for field operations, per acre
Seeded bermudagrass establishment, no-till pasture renovation,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			0.33	Mar								51.39		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Gramoxone SL 2.0	oz											16.0000	0.32	5.12	5.12
Surfactant	pt											0.3000	3.30	0.99	0.99
NT Grain Drill	12'	2WD 75	0.196	1.00	Apr	2.54	2.76	4.69	11.33	0.39	5.45				26.77
Common Bermuda Seed	lb											10.0000	3.98	39.80	39.80
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
TOTALS						4.61	5.02	6.54	13.07	0.58	8.74			197.01	234.99
INTEREST ON OPERATING CAPITAL															10.51
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															245.50

Note: Cost of production estimates are based on 2024 input prices.
If using coated bermuda seed, increase seeding rate to 15 pounds per acre.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 9B. Estimated costs per acre
Seeded bermudagrass establishment, no-till pasture renovation, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	2.1400	50.05	_________
HERBICIDE					
Gramoxone SL 2.0	oz	0.32	16.0000	5.12	_________
SEED/PLANTS					
Common Bermuda Seed	lb	3.98	10.0000	39.80	_________
ADJUVANTS					
Surfactant	pt	3.30	0.3000	0.99	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3573	6.68	_________
HAND LABOR					
Implements	hour	9.06	0.2277	2.06	_________
DIESEL FUEL					
Tractors	gal	2.86	1.3793	3.94	_________
REPAIR & MAINTENANCE					
Implements	acre	6.54	1.0000	6.54	_________
Tractors	acre	0.67	1.0000	0.67	_________
INTEREST ON OP. CAP.	acre	10.51	1.0000	10.51	_________

TOTAL DIRECT EXPENSES				227.41	_________
FIXED EXPENSES					
Implements	acre	13.07	1.0000	13.07	_________
Tractors	acre	5.02	1.0000	5.02	_________

TOTAL FIXED EXPENSES				18.09	_________

TOTAL SPECIFIED EXPENSES				245.50	_________

Note: Cost of production estimates are based on 2024 input prices.
If using coated bermuda seed, increase seeding rate to 15 pounds per acre.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle

Table 10A. Estimated resource use and costs for field operations, per acre
Seeded bermudagrass, drill in prepared seed bed,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Mar								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Mar	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	1.00	Apr	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.0000	1.85	3.70	3.70
Surfactant	pt											1.0000	3.30	3.30	3.30
Disk Harrow	14'	2WD 75	0.140	1.00	Apr	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Section Harrow	13'	2WD 75	0.119	1.00	Apr	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Grain Drill	12'	2WD 75	0.157	1.00	Apr	2.03	2.21	3.26	7.88	0.31	4.36				19.74
Common Bermuda Seed	lb											10.0000	3.98	39.80	39.80
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
TOTALS						10.96	11.93	9.01	19.47	1.03	17.57			197.90	266.84
INTEREST ON OPERATING CAPITAL															9.97
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															276.81

Note: Cost of production estimates are based on 2024 input prices.
If using coated bermuda seed, increase seeding rate to 15 pounds per acre.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 10B. Estimated costs per acre
Seeded bermudagrass, drill in prepared seed bed,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	2.1400	50.05	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.0000	3.70	_________
SEED/PLANTS					
Common Bermuda Seed	lb	3.98	10.0000	39.80	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.8490	15.87	_________
HAND LABOR					
Implements	hour	9.06	0.1884	1.70	_________
DIESEL FUEL					
Tractors	gal	2.86	3.2777	9.37	_________
REPAIR & MAINTENANCE					
Implements	acre	9.01	1.0000	9.01	_________
Tractors	acre	1.59	1.0000	1.59	_________
INTEREST ON OP. CAP.	acre	9.97	1.0000	9.97	_________

TOTAL DIRECT EXPENSES				245.41	_________
FIXED EXPENSES					
Implements	acre	19.47	1.0000	19.47	_________
Tractors	acre	11.93	1.0000	11.93	_________

TOTAL FIXED EXPENSES				31.40	_________

TOTAL SPECIFIED EXPENSES				276.81	_________

Note: Cost of production estimates are based on 2024 input prices.
If using coated bermuda seed, increase seeding rate to 15 pounds per acre.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle

Table 11A. Estimated resource use and costs for field operations, per acre
Permanent summer pasture maintenance (i.e. bahiagrass, bermudagrass, dallisgrass, mixed grasses), Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
GrazonNext	pt											1.5000	7.69	11.54	11.54
Surfactant	pt											1.0000	3.30	3.30	3.30
Custom Spread(Truck)	appl			1.00	May							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Phosphate (46% P2O5)	cwt											1.0000	29.10	29.10	29.10
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Rotary Mower	12'	2WD 75	0.098	1.00	Aug	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Lime (Spread)	ton			1.00	Aug								51.39		
Prorated Est Cost	acre				Aug							1.0000			35.24
TOTALS						2.07	2.26	1.85	1.74	0.19	3.29			142.39	188.84
INTEREST ON OPERATING CAPITAL															6.80
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															195.64

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 11B Estimated costs per acre
Permanent summer pasture maintenance (i.e. bahiagrass, bermudagrass, dallisgrass, mixed grasses), Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	2.1400	50.05	_________
Phosphate (46% P2O5)	cwt	29.10	1.0000	29.10	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
HERBICIDE					
GrazonNext	pt	7.69	1.5000	11.54	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.1608	3.01	_________
HAND LABOR					
Implements	hour	9.06	0.0313	0.28	_________
DIESEL FUEL					
Tractors	gal	2.86	0.6210	1.77	_________
REPAIR & MAINTENANCE					
Implements	acre	1.85	1.0000	1.85	_________
Tractors	acre	0.30	1.0000	0.30	_________
INTEREST ON OP. CAP.	acre	6.80	1.0000	6.80	_________

TOTAL DIRECT EXPENSES				156.40	_________
FIXED EXPENSES					
Implements	acre	1.74	1.0000	1.74	_________
Tractors	acre	2.26	1.0000	2.26	_________
Prorated Est Cost	acre	35.24	1.0000	35.24	_________

TOTAL FIXED EXPENSES				39.24	_________

TOTAL SPECIFIED EXPENSES				195.64	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle

Table 12A. Estimated resource use and costs for field operations, per acre
Permanent summer grass-white clover pasture maintenance,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Custom Spread(Truck)	appl			1.00	May							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Lime (Spread)	ton			1.00	Jun								51.39		
Rotary Mower	12'	2WD 75	0.098	1.00	Sep	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Tailgate Seeder		2WD 75	0.200	1.00	Sep	2.59	2.81	0.53	0.70	0.20	3.74				10.37
White Clover Seed	lb											3.0000	5.05	15.15	15.15
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.0000	29.10	29.10	29.10
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Prorated Est Cost	acre				Oct							1.0000			35.24
TOTALS						5.11	5.57	3.89	3.66	0.39	7.42			99.66	160.55
INTEREST ON OPERATING CAPITAL															2.97
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															163.52

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 12B. Estimated costs per acre
Permanent summer grass-white clover pasture maintenance, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	0.3000	7.02	_________
Phosphate (46% P2O5)	cwt	29.10	1.0000	29.10	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
SEED/PLANTS					
White Clover Seed	lb	5.05	3.0000	15.15	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3964	7.42	_________
DIESEL FUEL					
Tractors	gal	2.86	1.5303	4.37	_________
REPAIR & MAINTENANCE					
Implements	acre	3.89	1.0000	3.89	_________
Tractors	acre	0.74	1.0000	0.74	_________
INTEREST ON OP. CAP.	acre	2.97	1.0000	2.97	_________

TOTAL DIRECT EXPENSES				119.05	_________
FIXED EXPENSES					
Implements	acre	3.66	1.0000	3.66	_________
Tractors	acre	5.57	1.0000	5.57	_________
Prorated Est Cost	acre	35.24	1.0000	35.24	_________

TOTAL FIXED EXPENSES				44.47	_________

TOTAL SPECIFIED EXPENSES				163.52	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices

Table 13A Estimated resource use and costs for field operations, per acre
Permanent summer grass-red clover pasture maintenance
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Custom Spread(Truck)	appl			1.00	May							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Lime (Spread)	ton			1.00	Jun								51.39		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Sep	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Novagraz	pt											1.5000	11.00	16.50	16.50
Rotary Mower	12'	2WD 75	0.098	1.00	Sep	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Tailgate Seeder		2WD 75	0.200	1.00	Sep	2.59	2.81	0.53	0.70	0.20	3.74				10.37
Red Clover Seed	lb											3.0000	3.36	10.08	10.08
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.0000	29.10	29.10	29.10
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Prorated Est Cost	acre				Oct							1.0000			35.24
TOTALS						5.92	6.45	4.06	3.92	0.49	8.87			111.09	175.55
INTEREST ON OPERATING CAPITAL															3.45
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															179.00

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices

Table 13B Estimated costs per acre
Permanent summer grass-red clover pasture maintenance
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	0.3000	7.02	_________
Phosphate (46% P2O5)	cwt	29.10	1.0000	29.10	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
HERBICIDE					
Novagraz	pt	11.00	1.5000	16.50	_________
SEED/PLANTS					
Red Clover Seed	lb	3.36	3.0000	10.08	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4591	8.59	_________
HAND LABOR					
Implements	hour	9.06	0.0313	0.28	_________
DIESEL FUEL					
Tractors	gal	2.86	1.7723	5.06	_________
REPAIR & MAINTENANCE					
Implements	acre	4.06	1.0000	4.06	_________
Tractors	acre	0.86	1.0000	0.86	_________
INTEREST ON OP. CAP.	acre	3.45	1.0000	3.45	_________

TOTAL DIRECT EXPENSES				133.39	_________
FIXED EXPENSES					
Implements	acre	3.92	1.0000	3.92	_________
Tractors	acre	6.45	1.0000	6.45	_________
Prorated Est Cost	acre	35.24	1.0000	35.24	_________

TOTAL FIXED EXPENSES				45.61	_________

TOTAL SPECIFIED EXPENSES				179.00	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 14A. Estimated resource use and costs for field operations, per acre
Mixed grass hay maintenance,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Mar	0.81	0.88	0.17	0.26	0.09	1.45				3.57
GrazonNext	pt											1.5000	7.69	11.54	11.54
Surfactant	pt											1.0000	3.30	3.30	3.30
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Phosphate (46% P2O5)	cwt											1.0000	29.10	29.10	29.10
Potash (60% K2O)	cwt											1.5000	27.09	40.64	40.64
Hay Disc Mower	8'	2WD 75	0.257	1.00	Jun	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Rake	8.5'	2WD 75	0.202	2.00	Jun	5.23	5.69	1.69	2.76	0.40	7.56				22.93
Hay Baler	Lg Round	2WD 75	0.211	1.00	Jun	2.74	2.97	8.08	11.74	0.21	3.95				29.48
Net Wrap (9840ft)	roll											0.0080	269.49	2.16	2.16
Hay Mover	1B Lift	2WD 75	0.300	1.00	Jun	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Hay Disc Mower	8'	2WD 75	0.257	1.00	Jul	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Rake	8.5'	2WD 75	0.202	2.00	Jul	5.23	5.69	1.69	2.76	0.40	7.56				22.93
Hay Baler	Lg Round	2WD 75	0.211	1.00	Jul	2.74	2.97	8.08	11.74	0.21	3.95				29.48
Net Wrap (9840ft)	roll											0.0080	269.49	2.16	2.16
Hay Mover	1B Lift	2WD 75	0.300	1.00	Jul	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Hay Baler	Lg Round	2WD 75	0.211	1.00	Oct	2.74	2.97	8.08	11.74	0.21	3.95				29.48
Net Wrap (9840ft)	roll											0.0040	269.49	1.08	1.08
Hay Disc Mower	8'	2WD 75	0.257	1.00	Oct	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Rake	8.5'	2WD 75	0.202	2.00	Oct	5.23	5.69	1.69	2.76	0.40	7.56				22.93
Hay Mover	1B Lift	2WD 75	0.300	1.00	Oct	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Soil Testing	acre			0.33	Oct							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Oct								51.39		
Prorated Est Cost	acre				Oct							1.0000			34.86
TOTALS						46.32	50.41	37.13	54.02	3.61	67.27			215.02	505.03
INTEREST ON OPERATING CAPITAL															12.34
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															517.37

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 50 units of nitrogen being applied after emergence and 50 units applied after each cutting of hay.

Table 14B. Estimated costs per acre
Mixed grass hay maintenance,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	4.0500	94.73	_________
Phosphate (46% P2O5)	cwt	29.10	1.0000	29.10	_________
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
HERBICIDE					
GrazonNext	pt	7.69	1.5000	11.54	_________
OTHER					
Net Wrap (9840ft)	roll	269.49	0.0200	5.39	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	3.5839	66.99	_________
HAND LABOR					
Implements	hour	9.06	0.0313	0.28	_________
DIESEL FUEL					
Tractors	gal	2.86	13.8356	39.60	_________
REPAIR & MAINTENANCE					
Implements	acre	37.13	1.0000	37.13	_________
Tractors	acre	6.72	1.0000	6.72	_________
INTEREST ON OP. CAP.	acre	12.34	1.0000	12.34	_________

TOTAL DIRECT EXPENSES				378.08	_________
FIXED EXPENSES					
Implements	acre	54.02	1.0000	54.02	_________
Tractors	acre	50.41	1.0000	50.41	_________
Prorated Est Cost	acre	34.86	1.0000	34.86	_________

TOTAL FIXED EXPENSES				139.29	_________

TOTAL SPECIFIED EXPENSES				517.37	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 50 units of nitrogen being applied after emergence and 50 units applied after each cutting of hay

Table 15A. Estimated resource use and costs for field operations, per acre
Hybrid bermudagrass establishment, 1 cutting of hay,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Mar								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Mar	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	2.00	Apr	3.63	3.95	2.83	7.48	0.28	5.24				23.13
Custom Sprig	acre			1.00	May							1.0000	100.00	100.00	100.00
Cultipacker	12'	2WD 75	0.124	1.00	May	1.60	1.75	0.22	0.38	0.12	2.33				6.28
Custom Spread(Truck)	appl			1.00	May							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Spray (Broadcast)	27'	2WD 75	0.062	1.00	May	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Diuron 4L	pt											3.0000	3.09	9.27	9.27
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Hay Disc Mower	8'	2WD 75	0.257	1.00	Aug	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Tedder	17'	2WD 75	0.101	1.00	Aug	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	1.00	Aug	1.31	1.42	0.41	0.67	0.10	1.89				5.70
Hay Baler	Lg Round	2WD 75	0.211	1.00	Aug	2.74	2.97	8.08	11.74	0.21	3.95				29.48
Net Wrap (9840ft)	roll											0.0075	269.49	2.02	2.02
TOTALS						16.43	17.86	15.79	26.95	1.30	24.02			234.91	335.96
INTEREST ON OPERATING CAPITAL															11.02
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															346.98

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 50 units of nitrogen being applied after emergence and 50 units applied after hay cutting.

Table 15B. Estimated costs per acre
Hybrid bermudagrass establishment, 1 cutting of hay,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	1.3500	31.58	_________
HERBICIDE					
Diuron 4L	pt	3.09	3.0000	9.27	_________
OTHER					
Net Wrap (9840ft)	roll	269.49	0.0075	2.02	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
CUSTOM PLANT					
Custom Sprig	acre	100.00	1.0000	100.00	_________
OPERATOR LABOR					
Tractors	hour	18.69	1.2702	23.74	_________
HAND LABOR					
Implements	hour	9.06	0.0313	0.28	_________
DIESEL FUEL					
Tractors	gal	2.86	4.9035	14.04	_________
REPAIR & MAINTENANCE					
Implements	acre	15.79	1.0000	15.79	_________
Tractors	acre	2.39	1.0000	2.39	_________
INTEREST ON OP. CAP.	acre	11.02	1.0000	11.02	_________

TOTAL DIRECT EXPENSES				302.17	_________
FIXED EXPENSES					
Implements	acre	26.95	1.0000	26.95	_________
Tractors	acre	17.86	1.0000	17.86	_________

TOTAL FIXED EXPENSES				44.81	_________

TOTAL SPECIFIED EXPENSES				346.98	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 50 units of nitrogen being applied after emergence and 50 units applied after hay cutting

Table 16A. Estimated resource use and costs for field operations, per acre
Hybrid bermudagrass hay maintenance,
4 cuttings of hay, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
GrazonNext	pt											1.5000	7.69	11.54	11.54
Surfactant	pt											1.0000	3.30	3.30	3.30
Custom Spread(Truck)	appl			1.00	May							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											2.0000	27.09	54.18	54.18
Hay Disc Mower	8'	2WD 75	0.257	1.00	Jun	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Tedder	17'	2WD 75	0.101	1.00	Jun	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Jun	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Lg Round	2WD 75	0.211	1.00	Jun	2.74	2.97	8.08	11.74	0.21	3.95				29.48
Net Wrap (9840ft)	roll											0.0120	269.49	3.23	3.23
Hay Mover	1B Lift	2WD 75	0.300	1.00	Jun	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Hay Disc Mower	8'	2WD 75	0.257	1.00	Jul	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Tedder	17'	2WD 75	0.101	1.00	Jul	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Jul	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Lg Round	2WD 75	0.211	1.00	Jul	2.74	2.97	8.08	11.74	0.21	3.95				29.48
Net Wrap (9840ft)	roll											0.0120	269.49	3.23	3.23
Hay Mover	1B Lift	2WD 75	0.300	1.00	Jul	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Soil Testing	acre			1.00	Aug							1.0000	10.00	10.00	10.00
Lime (Spread)	ton			1.00	Aug								51.39		
Hay Disc Mower	8'	2WD 75	0.257	1.00	Aug	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Tedder	17'	2WD 75	0.101	1.00	Aug	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Aug	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Lg Round	2WD 75	0.211	1.00	Aug	2.74	2.97	8.08	11.74	0.21	3.95				29.48
Net Wrap (9840ft)	roll											0.0075	269.49	2.02	2.02
Hay Mover	1B Lift	2WD 75	0.300	1.00	Aug	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Custom Spread(Truck)	appl			1.00	Aug							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Hay Disc Mower	8'	2WD 75	0.257	1.00	Sep	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Tedder	17'	2WD 75	0.101	1.00	Sep	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Sep	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Lg Round	2WD 75	0.211	1.00	Sep	2.74	2.97	8.08	11.74	0.21	3.95				29.48
Net Wrap (9840ft)	roll											0.0075	269.49	2.02	2.02
Hay Mover	1B Lift	2WD 75	0.300	1.00	Sep	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Prorated Est Cost	acre				Sep							1.0000			36.67
TOTALS						56.25	61.20	48.49	70.38	4.38	81.65			322.58	677.22
INTEREST ON OPERATING CAPITAL															15.38
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															692.60

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 50 units of nitrogen being applied after emergence and 50 units applied after each cutting of hay.

Table 16B. Estimated costs per acre
Hybrid bermudagrass hay maintenance,
4 cuttings of hay, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	5.4000	126.31	_________
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	3.0000	81.27	_________
HERBICIDE					
GrazonNext	pt	7.69	1.5000	11.54	_________
OTHER					
Net Wrap (9840ft)	roll	269.49	0.0390	10.51	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	4.0000	36.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	1.0000	10.00	_________
OPERATOR LABOR					
Tractors	hour	18.69	4.3532	81.37	_________
HAND LABOR					
Implements	hour	9.06	0.0313	0.28	_________
DIESEL FUEL					
Tractors	gal	2.86	16.8054	48.09	_________
REPAIR & MAINTENANCE					
Implements	acre	48.49	1.0000	48.49	_________
Tractors	acre	8.16	1.0000	8.16	_________
INTEREST ON OP. CAP.	acre	15.38	1.0000	15.38	_________

TOTAL DIRECT EXPENSES				524.35	_________
FIXED EXPENSES					
Implements	acre	70.38	1.0000	70.38	_________
Tractors	acre	61.20	1.0000	61.20	_________
Prorated Est Cost	acre	36.67	1.0000	36.67	_________

TOTAL FIXED EXPENSES				168.25	_________

TOTAL SPECIFIED EXPENSES				692.60	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 50 units of nitrogen being applied after emergence and 50 units applied after each cutting of hay

Table 17A. Estimated resource use and costs for field operations, per acre
Hybrid bermudagrass hay maintenance,
4 cuttings of hay, square baler, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
GrazonNext	pt											1.5000	7.69	11.54	11.54
Surfactant	pt											1.0000	3.30	3.30	3.30
Custom Spread(Truck)	appl			1.00	May							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											2.0000	27.09	54.18	54.18
Hay Disc Mower	8'	2WD 75	0.257	1.00	Jun	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Tedder	17'	2WD 75	0.101	1.00	Jun	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Jun	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Square	2WD 75	0.229	1.00	Jun	2.96	3.22	4.37	7.14	0.22	4.28				21.97
Twine	bun											0.0600	35.00	2.10	2.10
Hay Mover	1B Lift	2WD 75	0.300	1.00	Jun	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Hay Disc Mower	8'	2WD 75	0.257	1.00	Jul	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Tedder	17'	2WD 75	0.101	1.00	Jul	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Jul	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Square	2WD 75	0.229	1.00	Jul	2.96	3.22	4.37	7.14	0.22	4.28				21.97
Twine	bun											0.0600	35.00	2.10	2.10
Hay Mover	1B Lift	2WD 75	0.300	1.00	Jul	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Soil Testing	acre			1.00	Aug							1.0000	10.00	10.00	10.00
Lime (Spread)	ton			1.00	Aug								51.39		
Hay Disc Mower	8'	2WD 75	0.257	1.00	Aug	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Tedder	17'	2WD 75	0.101	1.00	Aug	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Aug	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Square	2WD 75	0.229	1.00	Aug	2.96	3.22	4.37	7.14	0.22	4.28				21.97
Twine	bun											0.0300	35.00	1.05	1.05
Hay Mover	1B Lift	2WD 75	0.300	1.00	Aug	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Custom Spread(Truck)	appl			1.00	Aug							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.3500	23.39	31.58	31.58
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Hay Disc Mower	8'	2WD 75	0.257	1.00	Sep	3.33	3.63	2.50	3.27	0.25	4.82				17.55
Hay Tedder	17'	2WD 75	0.101	1.00	Sep	1.31	1.42	0.63	1.03	0.10	1.89				6.28
Hay Rake-Double	17'	2WD 75	0.101	2.00	Sep	2.61	2.84	0.82	1.34	0.20	3.78				11.39
Hay Baler	Square	2WD 75	0.229	1.00	Sep	2.96	3.22	4.37	7.14	0.22	4.28				21.97
Twine	bun											0.0300	35.00	1.05	1.05
Hay Mover	1B Lift	2WD 75	0.300	1.00	Sep	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Prorated Est Cost	acre				Sep							1.0000			36.67
TOTALS						57.13	62.20	33.65	51.98	4.45	82.97			318.38	642.98
INTEREST ON OPERATING CAPITAL															14.97
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															657.95

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 50 units of nitrogen being applied after emergence and 50 units applied after each cutting of hay.

Table 17B. Estimated costs per acre
Hybrid bermudagrass hay maintenance,
4 cuttings of hay, square baler, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	5.4000	126.31	_________
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	3.0000	81.27	_________
HERBICIDE					
GrazonNext	pt	7.69	1.5000	11.54	_________
OTHER					
Twine	bun	35.00	0.1800	6.30	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	4.0000	36.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	1.0000	10.00	_________
OPERATOR LABOR					
Tractors	hour	18.69	4.4238	82.69	_________
HAND LABOR					
Implements	hour	9.06	0.0313	0.28	_________
DIESEL FUEL					
Tractors	gal	2.86	17.0776	48.85	_________
REPAIR & MAINTENANCE					
Implements	acre	33.65	1.0000	33.65	_________
Tractors	acre	8.28	1.0000	8.28	_________
INTEREST ON OP. CAP.	acre	14.97	1.0000	14.97	_________

TOTAL DIRECT EXPENSES				507.10	_________
FIXED EXPENSES					
Implements	acre	51.98	1.0000	51.98	_________
Tractors	acre	62.20	1.0000	62.20	_________
Prorated Est Cost	acre	36.67	1.0000	36.67	_________

TOTAL FIXED EXPENSES				150.85	_________

TOTAL SPECIFIED EXPENSES				657.95	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 50 units of nitrogen being applied after emergence and 50 units applied after each cutting of hay

Table 18A. Estimated resource use and costs for field operations, per acre
Tall fescue-white clover pasture establishment,
prepared seedbed, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Aug	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Custom Spread(Truck)	appl			1.00	Sep							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Disk Harrow	14'	2WD 75	0.140	2.00	Sep	3.63	3.95	2.83	7.48	0.28	5.24				23.13
Section Harrow	13'	2WD 75	0.119	1.00	Sep	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Grain Drill	12'	2WD 75	0.157	1.00	Sep	2.03	2.21	3.26	7.88	0.31	4.36				19.74
Fescue Seed	lb											20.0000	2.70	54.00	54.00
White Clover Seed	lb											3.0000	5.05	15.15	15.15
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
TOTALS						8.90	9.68	7.17	17.73	0.84	14.28			184.23	241.99
INTEREST ON OPERATING CAPITAL															9.31
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															251.30

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 18B. Estimated costs per acre
Tall fescue-white clover pasture establishment,
prepared seedbed, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	0.6000	14.03	_________
SEED/PLANTS					
Fescue Seed	lb	2.70	20.0000	54.00	_________
White Clover Seed	lb	5.05	3.0000	15.15	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.6881	12.86	_________
HAND LABOR					
Implements	hour	9.06	0.1571	1.42	_________
DIESEL FUEL					
Tractors	gal	2.86	2.6566	7.60	_________
REPAIR & MAINTENANCE					
Implements	acre	7.17	1.0000	7.17	_________
Tractors	acre	1.30	1.0000	1.30	_________
INTEREST ON OP. CAP.	acre	9.31	1.0000	9.31	_________

TOTAL DIRECT EXPENSES				223.89	_________
FIXED EXPENSES					
Implements	acre	17.73	1.0000	17.73	_________
Tractors	acre	9.68	1.0000	9.68	_________

TOTAL FIXED EXPENSES				27.41	_________

TOTAL SPECIFIED EXPENSES				251.30	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 19A. Estimated resource use and costs for field operations, per acre
Tall fescue-red clover pasture establishment,
prepared seedbed, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Aug	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Custom Spread(Truck)	appl			1.00	Sep							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Disk Harrow	14'	2WD 75	0.140	2.00	Sep	3.63	3.95	2.83	7.48	0.28	5.24				23.13
Section Harrow	13'	2WD 75	0.119	1.00	Sep	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Grain Drill	12'	2WD 75	0.157	1.00	Sep	2.03	2.21	3.26	7.88	0.31	4.36				19.74
Fescue Seed	lb											20.0000	2.70	54.00	54.00
Red Clover Seed	lb											3.0000	3.36	10.08	10.08
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
TOTALS						8.90	9.68	7.17	17.73	0.84	14.28			179.16	236.92
INTEREST ON OPERATING CAPITAL															9.07
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															245.99

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 19B. Estimated costs per acre
Tall fescue-red clover pasture establishment,
prepared seedbed, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	0.6000	14.03	_________
SEED/PLANTS					
Fescue Seed	lb	2.70	20.0000	54.00	_________
Red Clover Seed	lb	3.36	3.0000	10.08	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.6881	12.86	_________
HAND LABOR					
Implements	hour	9.06	0.1571	1.42	_________
DIESEL FUEL					
Tractors	gal	2.86	2.6566	7.60	_________
REPAIR & MAINTENANCE					
Implements	acre	7.17	1.0000	7.17	_________
Tractors	acre	1.30	1.0000	1.30	_________
INTEREST ON OP. CAP.	acre	9.07	1.0000	9.07	_________
TOTAL DIRECT EXPENSES				218.58	_________
FIXED EXPENSES					
Implements	acre	17.73	1.0000	17.73	_________
Tractors	acre	9.68	1.0000	9.68	_________
TOTAL FIXED EXPENSES				27.41	_________
TOTAL SPECIFIED EXPENSES				245.99	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 20A. Estimated resource use and costs for field operations, per acre
Tall fescue-white clover pasture establishment,
novel/endophyte free, no till, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Sep	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.5000	1.85	4.63	4.63
Custom Spread(Truck)	appl			1.00	Sep							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
NT Grain Drill	12'	2WD 75	0.196	1.00	Sep	2.54	2.76	4.69	11.33	0.39	5.45				26.77
Fescue Seed	lb											20.0000	2.70	54.00	54.00
White Clover Seed	lb											3.0000	5.05	15.15	15.15
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
TOTALS						3.35	3.64	4.86	11.59	0.48	6.90			179.86	210.20
INTEREST ON OPERATING CAPITAL															8.45
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															218.65

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 20B. Estimated costs per acre
Tall fescue-white clover pasture establishment, novel/endophyte-free, no-till, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	0.6000	14.03	________
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.5000	4.63	________
SEED/PLANTS					
Fescue Seed	lb	2.70	20.0000	54.00	________
White Clover Seed	lb	5.05	3.0000	15.15	________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	________
OPERATOR LABOR					
Tractors	hour	18.69	0.2591	4.84	________
HAND LABOR					
Implements	hour	9.06	0.2277	2.06	________
DIESEL FUEL					
Tractors	gal	2.86	1.0002	2.86	________
REPAIR & MAINTENANCE					
Implements	acre	4.86	1.0000	4.86	________
Tractors	acre	0.49	1.0000	0.49	________
INTEREST ON OP. CAP.	acre	8.45	1.0000	8.45	________
TOTAL DIRECT EXPENSES				203.42	________
FIXED EXPENSES					
Implements	acre	11.59	1.0000	11.59	________
Tractors	acre	3.64	1.0000	3.64	________
TOTAL FIXED EXPENSES				15.23	________
TOTAL SPECIFIED EXPENSES				218.65	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 21A. Estimated resource use and costs for field operations, per acre
Tall fescue-red clover pasture establishment,
novel/endophyte free, no till, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Sep	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.5000	1.85	4.63	4.63
Custom Spread(Truck)	appl			1.00	Sep							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
NT Grain Drill	12'	2WD 75	0.196	1.00	Sep	2.54	2.76	4.69	11.33	0.39	5.45				26.77
Fescue Seed	lb											20.0000	2.70	54.00	54.00
Red Clover Seed	lb											3.0000	3.36	10.08	10.08
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
TOTALS						3.35	3.64	4.86	11.59	0.48	6.90			174.79	205.13
INTEREST ON OPERATING CAPITAL															8.21
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															213.34

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 21B. Estimated costs per acre
Tall fescue-red clover pasture establishment,
novel/endophyte free, no till, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	0.6000	14.03	_________
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.5000	4.63	_________
SEED/PLANTS					
Fescue Seed	lb	2.70	20.0000	54.00	_________
Red Clover Seed	lb	3.36	3.0000	10.08	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.2591	4.84	_________
HAND LABOR					
Implements	hour	9.06	0.2277	2.06	_________
DIESEL FUEL					
Tractors	gal	2.86	1.0002	2.86	_________
REPAIR & MAINTENANCE					
Implements	acre	4.86	1.0000	4.86	_________
Tractors	acre	0.49	1.0000	0.49	_________
INTEREST ON OP. CAP.	acre	8.21	1.0000	8.21	_________

TOTAL DIRECT EXPENSES				198.11	_________
FIXED EXPENSES					
Implements	acre	11.59	1.0000	11.59	_________
Tractors	acre	3.64	1.0000	3.64	_________

TOTAL FIXED EXPENSES				15.23	_________

TOTAL SPECIFIED EXPENSES				213.34	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices

Table 22A. Estimated resource use and costs for field operations, per acre
Tall fescue-white clover pasture maintenance,
novel-endophyte free, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Rotary Mower	12'	2WD 75	0.098	1.00	Aug	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Lime (Spread)	ton			1.00	Aug								51.39		
Tailgate Seeder		2WD 75	0.200	1.00	Oct	2.59	2.81	0.53	0.70	0.20	3.74				10.37
White Clover Seed	lb											2.0000	5.05	10.10	10.10
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Nitrogen	cwt											0.3000	23.39	7.02	7.02
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Mar	0.81	0.88	0.17	0.26	0.09	1.45				3.57
2,4-D amine	pt											1.5000	2.23	3.35	3.35
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
Prorated Est Cost	acre				Oct							1.0000			23.10
TOTALS						4.66	5.07	2.38	2.44	0.39	7.03			119.53	164.21
INTEREST ON OPERATING CAPITAL															4.58
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															168.79

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 22B. Estimated costs per acre
Tall fescue-white clover pasture maintenance,
novel/endophyte free, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	0.6000	14.03	_________
HERBICIDE					
2,4-D amine	pt	2.23	1.5000	3.35	_________
SEED/PLANTS					
White Clover Seed	lb	5.05	2.0000	10.10	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3608	6.75	_________
HAND LABOR					
Implements	hour	9.06	0.0313	0.28	_________
DIESEL FUEL					
Tractors	gal	2.86	1.3931	3.98	_________
REPAIR & MAINTENANCE					
Implements	acre	2.38	1.0000	2.38	_________
Tractors	acre	0.68	1.0000	0.68	_________
INTEREST ON OP. CAP.	acre	4.58	1.0000	4.58	_________
TOTAL DIRECT EXPENSES				138.18	_________
FIXED EXPENSES					
Implements	acre	2.44	1.0000	2.44	_________
Tractors	acre	5.07	1.0000	5.07	_________
Prorated Est Cost	acre	23.10	1.0000	23.10	_________
TOTAL FIXED EXPENSES				30.61	_________
TOTAL SPECIFIED EXPENSES				168.79	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 23A. Estimated resource use and costs for field operations, per acre
Tall fescue-red clover pasture maintenance
novel-endophyte free, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Rotary Mower	12'	2WD 75	0.098	1.00	Aug	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Lime (Spread)	ton			1.00	Aug								51.39		
Tailgate Seeder		2WD 75	0.200	1.00	Oct	2.59	2.81	0.53	0.70	0.20	3.74				10.37
Red Clover Seed	lb											2.0000	3.36	6.72	6.72
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Nitrogen	cwt											0.3000	23.39	7.02	7.02
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Mar	0.81	0.88	0.17	0.26	0.09	1.45				3.57
2,4-D amine	pt											1.5000	2.23	3.35	3.35
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.3000	23.39	7.02	7.02
Prorated Est Cost	acre				Oct							1.0000			23.10
TOTALS						4.66	5.07	2.38	2.44	0.39	7.03			116.15	160.83
INTEREST ON OPERATING CAPITAL															4.44
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															165.27

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 23B. Estimated costs per acre
Tall fescue-red clover pasture maintenance
novel-endophyte free, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	0.6000	14.03	_________
HERBICIDE					
2,4-D amine	pt	2.23	1.5000	3.35	_________
SEED/PLANTS					
Red Clover Seed	lb	3.36	2.0000	6.72	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3608	6.75	_________
HAND LABOR					
Implements	hour	9.06	0.0313	0.28	_________
DIESEL FUEL					
Tractors	gal	2.86	1.3931	3.98	_________
REPAIR & MAINTENANCE					
Implements	acre	2.38	1.0000	2.38	_________
Tractors	acre	0.68	1.0000	0.68	_________
INTEREST ON OP. CAP.	acre	4.44	1.0000	4.44	_________

TOTAL DIRECT EXPENSES				134.66	_________
FIXED EXPENSES					
Implements	acre	2.44	1.0000	2.44	_________
Tractors	acre	5.07	1.0000	5.07	_________
Prorated Est Cost	acre	23.10	1.0000	23.10	_________

TOTAL FIXED EXPENSES				30.61	_________

TOTAL SPECIFIED EXPENSES				165.27	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 24A. Estimated resource use and costs for field operations, per acre
No-till renovation of old K-31 tall fescue pasture with
novel endophyte/endophyte free tall fescue, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Mar							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Mar								51.39		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.5000	1.85	4.63	4.63
Surfactant	pt											0.4000	3.30	1.32	1.32
NT Grain Drill	12'	2WD 75	0.196	1.00	May	2.54	2.76	4.69	11.33	0.39	5.45				26.77
SS, PM, FS Seed	lb											25.0000	1.28	32.00	32.00
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Sep	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.5000	1.85	4.63	4.63
NT Grain Drill	12'	2WD 75	0.196	1.00	Sep	2.54	2.76	4.69	11.33	0.39	5.45				26.77
White Clover Seed	lb											3.0000	5.05	15.15	15.15
Fescue Seed	lb											20.0000	2.70	54.00	54.00
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.5000	23.39	11.70	11.70
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.5000	23.39	11.70	11.70
TOTALS						6.70	7.28	9.72	23.18	0.97	13.80			227.17	287.85
INTEREST ON OPERATING CAPITAL															5.25
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															293.10

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
Research suggests tall fescue renovation to novel endophyte fescue will
require 2 years glyphosate applications to completely eliminate existing stand.
SS = Sorghum x Sudan Hybrid, PM = Pearl Millet.

Table 24B. Estimated costs per acre
No-till renovation of old K-31 tall fescue pasture with novel endophyte/endophyte-free tall fescue, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	1.0000	23.39	_________
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	5.0000	9.25	_________
SEED/PLANTS					
SS, PM, FS Seed	lb	1.28	25.0000	32.00	_________
White Clover Seed	lb	5.05	3.0000	15.15	_________
Fescue Seed	lb	2.70	20.0000	54.00	_________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5182	9.68	_________
HAND LABOR					
Implements	hour	9.06	0.4555	4.12	_________
DIESEL FUEL					
Tractors	gal	2.86	2.0005	5.72	_________
REPAIR & MAINTENANCE					
Implements	acre	9.72	1.0000	9.72	_________
Tractors	acre	0.98	1.0000	0.98	_________
INTEREST ON OP. CAP.	acre	5.25	1.0000	5.25	_________

TOTAL DIRECT EXPENSES				262.64	_________
FIXED EXPENSES					
Implements	acre	23.18	1.0000	23.18	_________
Tractors	acre	7.28	1.0000	7.28	_________

TOTAL FIXED EXPENSES				30.46	_________

TOTAL SPECIFIED EXPENSES				293.10	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
Research suggests tall fescue renovation to novel endophyte fescue will require 2 years glyphosate applications to completely eliminate existing stand.

Table 25A. Estimated resource use and costs for field operations, per acre
No-till renovation of old K-31 tall fescue pasture with
novel endophyte/endophyte free tall fescue and red clover, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
											dollars		---------dollars---------		
Soil Testing	acre			0.33	Mar							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Mar								51.39		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.5000	1.85	4.63	4.63
Surfactant	pt											0.4000	3.30	1.32	1.32
NT Grain Drill	12'	2WD 75	0.196	1.00	May	2.54	2.76	4.69	11.33	0.39	5.45				26.77
SS, PM, FS Seed	lb											25.0000	1.28	32.00	32.00
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Sep	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.5000	1.85	4.63	4.63
NT Grain Drill	12'	2WD 75	0.196	1.00	Sep	2.54	2.76	4.69	11.33	0.39	5.45				26.77
Red Clover Seed	lb											3.0000	3.36	10.08	10.08
Fescue Seed	lb											20.0000	2.70	54.00	54.00
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.5000	23.39	11.70	11.70
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.5000	23.39	11.70	11.70
TOTALS						6.70	7.28	9.72	23.18	0.97	13.80			222.10	282.78
INTEREST ON OPERATING CAPITAL															5.18
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															287.96

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
Research suggests tall fescue renovation to novel endophyte fescue will
require 2 years glyphosate applications to completely eliminate existing stand.
SS = Sorghum x Sudan Hybrid, PM = Pearl Millet.

Table 25B. Estimated costs per acre
No-till renovation of old K-31 tall fescue pasture with novel endophyte/endophyte free tall fescue and red clover, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	1.0000	23.39	________
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	5.0000	9.25	________
SEED/PLANTS					
SS, PM, FS Seed	lb	1.28	25.0000	32.00	________
Red Clover Seed	lb	3.36	3.0000	10.08	________
Fescue Seed	lb	2.70	20.0000	54.00	________
ADJUVANTS					
Surfactant	pt	3.30	0.4000	1.32	________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	________
OPERATOR LABOR					
Tractors	hour	18.69	0.5182	9.68	________
HAND LABOR					
Implements	hour	9.06	0.4555	4.12	________
DIESEL FUEL					
Tractors	gal	2.86	2.0005	5.72	________
REPAIR & MAINTENANCE					
Implements	acre	9.72	1.0000	9.72	________
Tractors	acre	0.98	1.0000	0.98	________
INTEREST ON OP. CAP.	acre	5.18	1.0000	5.18	________
TOTAL DIRECT EXPENSES				257.50	________
FIXED EXPENSES					
Implements	acre	23.18	1.0000	23.18	________
Tractors	acre	7.28	1.0000	7.28	________
TOTAL FIXED EXPENSES				30.46	________
TOTAL SPECIFIED EXPENSES				287.96	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
Research suggests tall fescue renovation to novel endophyte fescue will require 2 years glyphosate applications to completely eliminate existing stand.

Table 26A. Estimated resource use and costs for field operations, per acre
Tall fescue pasture establishment,
novel endophyte/endophyte free, prepared seedbed, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars		dollars		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Disk Harrow	14'	2WD 75	0.140	1.00	Aug	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Sep	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.5000	1.85	4.63	4.63
Grain Drill	12'	2WD 75	0.157	1.00	Sep	2.03	2.21	3.26	7.88	0.31	4.36				19.74
Fescue Seed	lb											20.0000	2.70	54.00	54.00
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.5000	23.39	11.70	11.70
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.5000	23.39	11.70	11.70
TOTALS						4.65	5.06	4.84	11.88	0.54	8.43			174.07	208.93
INTEREST ON OPERATING CAPITAL															2.79
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															211.72

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices

Table 26B. Estimated costs per acre
Tall fescue pasture establishment,
novel endophyte/endophyte-free, prepared seedbed, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	1.0000	23.39	_________
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.5000	4.63	_________
SEED/PLANTS					
Fescue Seed	lb	2.70	20.0000	54.00	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3601	6.73	_________
HAND LABOR					
Implements	hour	9.06	0.1884	1.70	_________
DIESEL FUEL					
Tractors	gal	2.86	1.3902	3.97	_________
REPAIR & MAINTENANCE					
Implements	acre	4.84	1.0000	4.84	_________
Tractors	acre	0.68	1.0000	0.68	_________
INTEREST ON OP. CAP.	acre	2.79	1.0000	2.79	_________
TOTAL DIRECT EXPENSES				194.78	_________
FIXED EXPENSES					
Implements	acre	11.88	1.0000	11.88	_________
Tractors	acre	5.06	1.0000	5.06	_________
TOTAL FIXED EXPENSES				16.94	_________
TOTAL SPECIFIED EXPENSES				211.72	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices

Table 27A. Estimated resource use and costs for field operations, per acre
Ryegrass annual pasture, prepared seedbed,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Aug	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	2.00	Aug	3.63	3.95	2.83	7.48	0.28	5.24				23.13
Custom Spread(Truck)	appl			1.00	Sep							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Ryegrass Seed	lb											25.0000	0.80	20.00	20.00
Section Harrow	13'	2WD 75	0.119	1.00	Sep	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Cultipacker	12'	2WD 75	0.124	1.00	Sep	1.60	1.75	0.22	0.38	0.12	2.33				6.28
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0000	23.39	23.39	23.39
Custom Spread(Truck)	appl			1.00	Dec							1.0000	9.00	9.00	9.00
Nitrogen	cwt											2.0000	23.39	46.78	46.78
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Dec	0.81	0.88	0.17	0.26	0.09	1.45				3.57
2,4-D amine	pt											1.0000	2.23	2.23	2.23
Custom Spread(Truck)	appl			1.00	Mar							1.0000	9.00	9.00	9.00
Nitrogen	cwt											2.0000	23.39	46.78	46.78
TOTALS						9.28	10.10	4.30	10.49	0.74	13.70			249.22	297.09
INTEREST ON OPERATING CAPITAL															9.48
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															306.57

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 27B. Estimated costs per acre
Ryegrass annual pasture, prepared seedbed,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	5.0000	116.95	_________
HERBICIDE					
2,4-D amine	pt	2.23	1.0000	2.23	_________
SEED/PLANTS					
Ryegrass Seed	lb	0.80	25.0000	20.00	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	4.0000	36.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.7181	13.42	_________
HAND LABOR					
Implements	hour	9.06	0.0313	0.28	_________
DIESEL FUEL					
Tractors	gal	2.86	2.7723	7.93	_________
REPAIR & MAINTENANCE					
Implements	acre	4.30	1.0000	4.30	_________
Tractors	acre	1.35	1.0000	1.35	_________
INTEREST ON OP. CAP.	acre	9.48	1.0000	9.48	_________

TOTAL DIRECT EXPENSES				285.98	_________
FIXED EXPENSES					
Implements	acre	10.49	1.0000	10.49	_________
Tractors	acre	10.10	1.0000	10.10	_________

TOTAL FIXED EXPENSES				20.59	_________

TOTAL SPECIFIED EXPENSES				306.57	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 28A. Estimated resource use and costs for field operations, per acre
No-till ryegrass into volunteer summer annual grasses,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Aug	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Glyphosate 3lbs a.e.	pt											2.0000	1.85	3.70	3.70
Custom Spread(Truck)	appl			1.00	Sep							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.0000	29.10	29.10	29.10
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
NT Grain Drill	12'	2WD 75	0.196	1.00	Sep	2.54	2.76	4.69	11.33	0.39	5.45				26.77
Ryegrass Seed	lb											35.0000	0.80	28.00	28.00
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Sep	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Mustang Max	oz											0.1900	1.48	0.28	0.28
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0000	23.39	23.39	23.39
Custom Spread(Truck)	appl			1.00	Dec							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0000	23.39	23.39	23.39
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Dec	0.81	0.88	0.17	0.26	0.09	1.45				3.57
Gramoxone SL 2.0	oz											1.0000	0.32	0.32	0.32
Custom Spread(Truck)	appl			1.00	Mar							1.0000	9.00	9.00	9.00
Nitrogen	cwt											2.0000	23.39	46.78	46.78
TOTALS						4.97	5.40	5.20	12.11	0.67	9.80			221.35	258.83
INTEREST ON OPERATING CAPITAL															8.23
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															267.06

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 28B. Estimated costs per acre
No-till ryegrass into volunteer summer annual grasses,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.0000	29.10	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	4.0000	93.56	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.0000	3.70	_________
Gramoxone SL 2.0	oz	0.32	1.0000	0.32	_________
INSECTICIDE					
Mustang Max	oz	1.48	0.1900	0.28	_________
SEED/PLANTS					
Ryegrass Seed	lb	0.80	35.0000	28.00	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	4.0000	36.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.3844	7.18	_________
HAND LABOR					
Implements	hour	9.06	0.2904	2.62	_________
DIESEL FUEL					
Tractors	gal	2.86	1.4842	4.24	_________
REPAIR & MAINTENANCE					
Implements	acre	5.20	1.0000	5.20	_________
Tractors	acre	0.73	1.0000	0.73	_________
INTEREST ON OP. CAP.	acre	8.23	1.0000	8.23	_________

TOTAL DIRECT EXPENSES				249.55	_________
FIXED EXPENSES					
Implements	acre	12.11	1.0000	12.11	_________
Tractors	acre	5.40	1.0000	5.40	_________

TOTAL FIXED EXPENSES				17.51	_________

TOTAL SPECIFIED EXPENSES				267.06	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 29A. Estimated resource use and costs for field operations, per acre
No-till annual ryegrass perennial (bermuda and bahigrass) pasture maintenance, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars					dollars			dollars	
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Rotary Mower	12'	2WD 75	0.098	1.00	Aug	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Section Harrow	13'	2WD 75	0.119	1.00	Oct	1.54	1.68	0.13	0.25	0.11	2.23				5.83
NT Grain Drill	12'	2WD 75	0.196	1.00	Oct	2.60	3.19	4.69	11.33	0.39	5.45				27.26
Ryegrass Seed	lb											30.0000	0.80	24.00	24.00
Custom Spread(Truck)	appl			1.00	Dec							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.9000	23.39	21.05	21.05
Phosphate (46% P2O5)	cwt											2.0000	29.10	58.20	58.20
Potash (60% K2O)	cwt											1.5000	27.09	40.64	40.64
Custom Spread(Truck)	appl			1.00	Mar							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.2000	23.39	28.07	28.07
Prorated Est Cost	acre				Jun							1.0000			32.40
TOTALS						5.40	6.25	6.50	13.06	0.61	9.52			193.26	266.39
INTEREST ON OPERATING CAPITAL															5.74
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															272.13

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices

Table 29B. Estimated costs per acre
No-till annual ryegrass perennial (bermuda and bahiagrass) pasture maintenance, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	2.1000	49.12	_________
Phosphate (46% P2O5)	cwt	29.10	2.0000	58.20	_________
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
SEED/PLANTS					
Ryegrass Seed	lb	0.80	30.0000	24.00	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4141	7.74	_________
HAND LABOR					
Implements	hour	9.06	0.1964	1.78	_________
DIESEL FUEL					
Tractors	gal	2.86	1.5985	4.57	_________
REPAIR & MAINTENANCE					
Implements	acre	6.50	1.0000	6.50	_________
Tractors	acre	0.83	1.0000	0.83	_________
INTEREST ON OP. CAP.	acre	5.74	1.0000	5.74	_________
TOTAL DIRECT EXPENSES				220.42	_________
FIXED EXPENSES					
Implements	acre	13.06	1.0000	13.06	_________
Tractors	acre	6.25	1.0000	6.25	_________
Prorated Est Cost	acre	32.40	1.0000	32.40	_________
TOTAL FIXED EXPENSES				51.71	_________
TOTAL SPECIFIED EXPENSES				272.13	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 30A. Estimated resource use and costs for field operations, per acre
Overseeded annual ryegrass perennial (bermuda and bahia grass) pasture maintenance, broadcast, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						dollars	dollars	dollars	dollars		dollars		dollars	dollars	dollars
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Rotary Mower	12'	2WD 75	0.098	1.00	Aug	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Section Harrow	13'	2WD 75	0.119	1.00	Oct	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Custom Spread + Seed	appl			1.00	Oct							1.0000	5.00	5.00	5.00
Phosphate (46% P2O5)	cwt											2.0000	29.10	58.20	58.20
Potash (60% K2O)	cwt											1.5000	27.09	40.64	40.64
Ryegrass Seed	lb											30.0000	0.80	24.00	24.00
Custom Spread(Truck)	appl			1.00	Dec							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.9000	23.39	21.05	21.05
Custom Spread(Truck)	appl			1.00	Mar							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.2000	23.39	28.07	28.07
Prorated Est Cost	acre				Jun							1.0000			32.40
TOTALS						2.80	3.06	1.81	1.73	0.21	4.07			198.26	244.13
INTEREST ON OPERATING CAPITAL															6.78
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															250.91

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 30B. Estimated costs per acre
Overseeded annual ryegrass perennial (bermuda and bahia grass) pasture maintenance, broadcast, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	2.0000	58.20	_________
Potash (60% K2O)	cwt	27.09	1.5000	40.64	_________
Nitrogen	cwt	23.39	2.1000	49.12	_________
SEED/PLANTS					
Ryegrass Seed	lb	0.80	30.0000	24.00	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
CUSTOM PLANT					
Custom Spread + Seed	appl	5.00	1.0000	5.00	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.2176	4.07	_________
DIESEL FUEL					
Tractors	gal	2.86	0.8402	2.40	_________
REPAIR & MAINTENANCE					
Implements	acre	1.81	1.0000	1.81	_________
Tractors	acre	0.40	1.0000	0.40	_________
INTEREST ON OP. CAP.	acre	6.78	1.0000	6.78	_________
TOTAL DIRECT EXPENSES				213.72	_________
FIXED EXPENSES					
Implements	acre	1.73	1.0000	1.73	_________
Tractors	acre	3.06	1.0000	3.06	_________
Prorated Est Cost	acre	32.40	1.0000	32.40	_________
TOTAL FIXED EXPENSES				37.19	_________
TOTAL SPECIFIED EXPENSES				250.91	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 31A. Estimated resource use and costs for field operations, per acre
Sorghum x Sudan (SS), Pearl Millet (PM),
Forage Sorghum (FS) annual hay, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Apr								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Apr	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	2.00	Apr	3.63	3.95	2.83	7.48	0.28	5.24				23.13
Grain Drill	12'	2WD 75	0.157	1.00	May	2.03	2.21	3.26	7.88	0.31	4.36				19.74
SS, PM, FS Seed	lb											30.0000	1.28	38.40	38.40
Custom Spread(Truck)	appl			1.00	May							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.0000	29.10	29.10	29.10
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Spray (Broadcast)	27'	2WD 75	0.062	1.00	May	0.81	0.88	0.17	0.26	0.09	1.45				3.57
2,4-D amine	pt											1.5000	2.23	3.35	3.35
Custom Spread(Truck)	appl			1.00	May							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.5000	23.39	35.09	35.09
Hay Cut-Cond	9'	2WD 75	0.229	1.00	Jul	2.96	3.22	5.07	6.63	0.22	4.28				22.16
Hay Rake	8.5'	2WD 75	0.202	2.00	Jul	5.23	5.69	1.69	2.76	0.40	7.56				22.93
Hay Baler	Lg Round	2WD 75	0.211	1.00	Jul	2.74	2.97	8.08	11.74	0.21	3.95				29.48
Net Wrap (9840ft)	roll											0.0160	269.49	4.31	4.31
Hay Mover	1B Lift	2WD 75	0.300	1.00	Jul	3.87	4.22	0.05	0.15	0.30	5.61				13.90
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.5000	23.39	35.09	35.09
Hay Cut-Cond	9'	2WD 75	0.229	1.00	Aug	2.96	3.22	5.07	6.63	0.22	4.28				22.16
Hay Rake	8.5'	2WD 75	0.202	2.00	Aug	5.23	5.69	1.69	2.76	0.40	7.56				22.93
Hay Baler	Lg Round	2WD 75	0.211	1.00	Aug	2.74	2.97	8.08	11.74	0.21	3.95				29.48
Net Wrap (9840ft)	roll											0.0160	269.49	4.31	4.31
Hay Mover	1B Lift	2WD 75	0.300	1.00	Aug	3.87	4.22	0.05	0.15	0.30	5.61				13.90
TOTALS						37.77	41.08	36.99	60.30	3.11	56.30			207.04	439.48
INTEREST ON OPERATING CAPITAL															13.72
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															453.20

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
2,4-D applied when sorghum/sudan is 4 to 6 inches tall.

Table 31B. Estimated costs per acre
Sorghum x Sudan (SS), Pearl Millet (PM),
Forage Sorghum (FS) annual hay, Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.0000	29.10	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	3.0000	70.17	_________
HERBICIDE					
2,4-D amine	pt	2.23	1.5000	3.35	_________
SEED/PLANTS					
SS, PM, FS Seed	lb	1.28	30.0000	38.40	_________
OTHER					
Net Wrap (9840ft)	roll	269.49	0.0320	8.62	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	2.9216	54.60	_________
HAND LABOR					
Implements	hour	9.06	0.1884	1.70	_________
DIESEL FUEL					
Tractors	gal	2.86	11.2787	32.27	_________
REPAIR & MAINTENANCE					
Implements	acre	36.99	1.0000	36.99	_________
Tractors	acre	5.50	1.0000	5.50	_________
INTEREST ON OP. CAP.	acre	13.72	1.0000	13.72	_________

TOTAL DIRECT EXPENSES				351.82	_________
FIXED EXPENSES					
Implements	acre	60.30	1.0000	60.30	_________
Tractors	acre	41.08	1.0000	41.08	_________

TOTAL FIXED EXPENSES				101.38	_________

TOTAL SPECIFIED EXPENSES				453.20	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
2,4-D applied when sorghum/sudan is 4 to 6 inches tall.

Table 32A. Estimated resource use and costs for field operations, per acre
Sorghum x Sudan (SS), Pearl Millet (PM),
Forage Sorghum (FS) annual pasture, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Apr								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Apr	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	2.00	May	3.63	3.95	2.83	7.48	0.28	5.24				23.13
Spray (Broadcast)	27'	2WD 75	0.062	1.00	May	0.81	0.88	0.17	0.26	0.09	1.45				3.57
2,4-D amine	pt											1.5000	2.23	3.35	3.35
Grain Drill	12'	2WD 75	0.157	1.00	May	2.03	2.21	3.26	7.88	0.31	4.36				19.74
SS, PM, FS Seed	lb											30.0000	1.28	38.40	38.40
Custom Spread(Truck)	appl			1.00	May							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.0000	29.10	29.10	29.10
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.4000	23.39	9.36	9.36
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.4000	23.39	9.36	9.36
TOTALS						8.17	8.88	7.21	17.74	0.81	13.50			146.96	202.46
INTEREST ON OPERATING CAPITAL															7.95
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															210.41

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
2,4-D applied when sorghum/sudan is 4 to 6 inches tall.

Table 32B. Estimated costs per acre
Sorghum x Sudan (SS), Pearl Millet (PM),
Forage Sorghum (FS) annual pasture, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.0000	29.10	________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	________
Nitrogen	cwt	23.39	0.8000	18.71	________
HERBICIDE					
2,4-D amine	pt	2.23	1.5000	3.35	________
SEED/PLANTS					
SS, PM, FS Seed	lb	1.28	30.0000	38.40	________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	________
OPERATOR LABOR					
Tractors	hour	18.69	0.6313	11.80	________
HAND LABOR					
Implements	hour	9.06	0.1884	1.70	________
DIESEL FUEL					
Tractors	gal	2.86	2.4374	6.97	________
REPAIR & MAINTENANCE					
Implements	acre	7.21	1.0000	7.21	________
Tractors	acre	1.20	1.0000	1.20	________
INTEREST ON OP. CAP.	acre	7.95	1.0000	7.95	________
TOTAL DIRECT EXPENSES				183.79	________
FIXED EXPENSES					
Implements	acre	17.74	1.0000	17.74	________
Tractors	acre	8.88	1.0000	8.88	________
TOTAL FIXED EXPENSES				26.62	________
TOTAL SPECIFIED EXPENSES				210.41	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
2,4-D applied when sorghum/sudan is 4 to 6 inches tall.

Table 33A. Estimated resource use and costs for field operations, per acre
Sorghum silage,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Lime (Spread)	ton			1.00	Sep								51.39		
Chisel Plow	15'	2WD 75	0.130	2.00	Apr	3.38	3.68	1.90	4.24	0.26	4.89				18.09
Spin Spreader	5 Ton	2WD 75	0.042	1.00	May	0.54	0.59	0.34	0.86	0.08	1.17				3.50
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											2.0000	27.09	54.18	54.18
Field Cultivate	12'	2WD 75	0.124	1.00	May	1.60	1.75	0.54	2.86	0.12	2.33				9.08
Disk Bed (Hipper)	4R-38	2WD 75	0.147	1.00	May	1.91	2.08	0.58	1.91	0.14	2.76				9.24
Row Cond	13'	2WD 75	0.119	1.00	May	1.54	1.68	1.16	2.09	0.11	2.23				8.70
Plant & Pre Rigid	4R-38	2WD 75	0.153	1.00	May	1.99	2.16	1.97	4.75	0.30	4.26				15.13
Forage Sorghum Seed	lb											6.0000	0.76	4.56	4.56
Bicep ll Magnum	qt											2.0000	12.66	25.32	25.32
Cultivate	4R-38	2WD 75	0.162	1.00	May	2.10	2.28	0.93	3.08	0.16	3.04				11.43
Spin Spreader	5 Ton	2WD 75	0.042	1.00	May	0.54	0.59	0.34	0.86	0.08	1.17				3.50
Nitrogen	cwt											2.6500	23.39	61.98	61.98
Cultivate	4R-38	2WD 75	0.162	1.00	Jun	2.10	2.28	0.93	3.08	0.16	3.04				11.43
Silage Harvester	2-Row	2WD 75	0.510	1.00	Sep	6.59	7.18	28.06	36.70	0.51	9.54				88.07
Silage Wagon 12T	12-Ton	2WD 75	0.510	1.00	Sep	6.59	7.18	3.37	9.69	0.51	9.54				36.37
TOTALS						28.88	31.45	40.12	70.12	2.47	43.97			214.72	429.26
INTEREST ON OPERATING CAPITAL															3.57
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															432.83

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 33B. Estimated costs per acre
Sorghum silage,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Nitrogen	cwt	23.39	3.7200	87.01	_________
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	2.0000	54.18	_________
HERBICIDE					
Bicep ll Magnum	qt	12.66	2.0000	25.32	_________
SEED/PLANTS					
Forage Sorghum Seed	lb	0.76	6.0000	4.56	_________
OPERATOR LABOR					
Tractors	hour	18.69	2.2365	41.82	_________
HAND LABOR					
Implements	hour	9.06	0.2379	2.15	_________
DIESEL FUEL					
Tractors	gal	2.86	8.6340	24.67	_________
REPAIR & MAINTENANCE					
Implements	acre	40.12	1.0000	40.12	_________
Tractors	acre	4.21	1.0000	4.21	_________
INTEREST ON OP. CAP.	acre	3.57	1.0000	3.57	_________
TOTAL DIRECT EXPENSES				331.26	_________
FIXED EXPENSES					
Implements	acre	70.12	1.0000	70.12	_________
Tractors	acre	31.45	1.0000	31.45	_________
TOTAL FIXED EXPENSES				101.57	_________
TOTAL SPECIFIED EXPENSES				432.83	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 34A. Estimated resource use and costs for field operations, per acre
Ryegrass, Small Grains (oat, cereal rye, triticale),
Annual Clover, Brassica mix annual pasture, prepared seedbed, Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Aug	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	1.00	Aug	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Custom Spread(Truck)	appl			1.00	Sep							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.0000	29.10	29.10	29.10
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Section Harrow	13'	2WD 75	0.119	1.00	Sep	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Grain Drill	12'	2WD 75	0.157	1.00	Sep	2.03	2.21	3.26	7.88	0.31	4.36				19.74
Ryegrass Seed	lb											18.0000	0.80	14.40	14.40
Small Grains Seed	lb											60.0000	0.83	49.80	49.80
Brassica Seed	lb											2.0000	2.47	4.94	4.94
Balansa Clover	lb.											15.0000	3.21	48.15	48.15
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.5000	23.39	11.70	11.70
Custom Spread(Truck)	appl			1.00	Feb							1.0000	9.00	9.00	9.00
Nitrogen	cwt											0.5000	23.39	11.70	11.70
TOTALS						7.08	7.70	5.75	13.99	0.70	11.66			227.18	273.36
INTEREST ON OPERATING CAPITAL															12.20
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															285.56

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 34B. Estimated costs per acre
Ryegrass, Small Grains (oat, cereal rye, triticale),
Annual Clover, Brassica mix annual pasture, prepared seedbed,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.0000	29.10	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	1.0000	23.39	_________
SEED/PLANTS					
Ryegrass Seed	lb	0.80	18.0000	14.40	_________
Small Grains Seed	lb	0.83	60.0000	49.80	_________
Brassica Seed	lb	2.47	2.0000	4.94	_________
Balansa Clover	lb.	3.21	15.0000	48.15	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5478	10.24	_________
HAND LABOR					
Implements	hour	9.06	0.1571	1.42	_________
DIESEL FUEL					
Tractors	gal	2.86	2.1149	6.05	_________
REPAIR & MAINTENANCE					
Implements	acre	5.75	1.0000	5.75	_________
Tractors	acre	1.03	1.0000	1.03	_________
INTEREST ON OP. CAP.	acre	12.20	1.0000	12.20	_________

TOTAL DIRECT EXPENSES				263.87	_________
FIXED EXPENSES					
Implements	acre	13.99	1.0000	13.99	_________
Tractors	acre	7.70	1.0000	7.70	_________

TOTAL FIXED EXPENSES				21.69	_________

TOTAL SPECIFIED EXPENSES				285.56	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 35A. Estimated resource use and costs for field operations, per acre
Ryegrass-Small grains annual pasture, prepared seedbed,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Jul							0.3300	10.00	3.30	3.30
Lime (Spread)	ton			1.00	Aug								51.39		
Chisel Plow	15'	2WD 75	0.130	1.00	Aug	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Disk Harrow	14'	2WD 75	0.140	1.00	Aug	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Section Harrow	13'	2WD 75	0.119	1.00	Sep	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Grain Drill	12'	2WD 75	0.157	1.00	Sep	2.03	2.21	3.26	7.88	0.31	4.36				19.74
Ryegrass Seed	lb											20.0000	0.80	16.00	16.00
Small Grains Seed	lb											70.0000	0.83	58.10	58.10
Custom Spread(Truck)	appl			1.00	Sep							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.0000	29.10	29.10	29.10
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Oct							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Mar	0.81	0.88	0.17	0.26	0.09	1.45				3.57
2,4-D amine	pt											1.5000	2.23	3.35	3.35
TOTALS						7.89	8.58	5.92	14.25	0.79	13.11			179.97	229.72
INTEREST ON OPERATING CAPITAL															9.39
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															239.11

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 35B. Estimated costs per acre
Ryegrass-Small grains annual pasture, prepared seedbed,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.0000	29.10	________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	________
Nitrogen	cwt	23.39	1.0700	25.03	________
HERBICIDE					
2,4-D amine	pt	2.23	1.5000	3.35	________
SEED/PLANTS					
Ryegrass Seed	lb	0.80	20.0000	16.00	________
Small Grains Seed	lb	0.83	70.0000	58.10	________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	2.0000	18.00	________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	________
OPERATOR LABOR					
Tractors	hour	18.69	0.6105	11.41	________
HAND LABOR					
Implements	hour	9.06	0.1884	1.70	________
DIESEL FUEL					
Tractors	gal	2.86	2.3569	6.74	________
REPAIR & MAINTENANCE					
Implements	acre	5.92	1.0000	5.92	________
Tractors	acre	1.15	1.0000	1.15	________
INTEREST ON OP. CAP.	acre	9.39	1.0000	9.39	________

TOTAL DIRECT EXPENSES				216.28	________
FIXED EXPENSES					
Implements	acre	14.25	1.0000	14.25	________
Tractors	acre	8.58	1.0000	8.58	________

TOTAL FIXED EXPENSES				22.83	________

TOTAL SPECIFIED EXPENSES				239.11	________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.

Table 36A. Estimated resource use and costs for field operations, per acre
Crabgrass establishment, broadcast,
Mississippi, 2026

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST DIRECT	POWER UNIT COST FIXED	EQUIPMENT COST DIRECT	EQUIPMENT COST FIXED	ALLOC LABOR HOURS	ALLOC LABOR COST	OPERATING/DURABLE INPUT AMOUNT	OPERATING/DURABLE INPUT PRICE	OPERATING/DURABLE INPUT COST	TOTAL COST
						------------dollars-----------					dollars		---------dollars---------		
Soil Testing	acre			0.33	Feb							0.3300	10.00	3.30	3.30
Chisel Plow	15'	2WD 75	0.130	1.00	Mar	1.70	1.84	0.95	2.12	0.13	2.45				9.06
Lime (Spread)	ton			1.00	Apr								51.39		
Disk Harrow	14'	2WD 75	0.140	1.00	Apr	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Spray (Broadcast)	27'	2WD 75	0.062	1.00	Apr	0.83	1.02	0.17	0.26	0.09	1.45				3.73
Glyphosate 3lbs a.e.	pt											2.0000	1.85	3.70	3.70
Surfactant	pt											1.0000	3.30	3.30	3.30
Disk Harrow	14'	2WD 75	0.140	1.00	Apr	1.81	1.97	1.41	3.74	0.14	2.62				11.55
Section Harrow	13'	2WD 75	0.119	1.00	Apr	1.54	1.68	0.13	0.25	0.11	2.23				5.83
Cyclone Spin	750Lb	2WD 75	0.200	1.00	Apr	2.59	2.81	0.28	1.22	0.30	4.65				11.55
Crabgrass seed	lb											20.0000	7.95	159.00	159.00
Cultipacker	12'	2WD 75	0.124	1.00	Apr	1.60	1.75	0.22	0.38	0.12	2.33				6.28
Custom Spread(Truck)	appl			1.00	Apr							1.0000	9.00	9.00	9.00
Phosphate (46% P2O5)	cwt											1.5000	29.10	43.65	43.65
Potash (60% K2O)	cwt											1.0000	27.09	27.09	27.09
Custom Spread(Truck)	appl			1.00	Jun							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
Rotary Mower	12'	2WD 75	0.098	1.00	Jun	1.26	1.38	1.68	1.48	0.09	1.84				7.64
Custom Spread(Truck)	appl			1.00	Jul							1.0000	9.00	9.00	9.00
Nitrogen	cwt											1.0700	23.39	25.03	25.03
TOTALS						13.14	14.42	6.25	13.19	1.14	20.19			317.10	384.29
INTEREST ON OPERATING CAPITAL															15.80
UNALLOCATED LABOR															0.00
TOTAL SPECIFIED COST															400.09

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Table 36B. Estimated costs per acre
Crabgrass establishment, broadcast,
Mississippi, 2026

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
FERTILIZER					
Phosphate (46% P2O5)	cwt	29.10	1.5000	43.65	_________
Potash (60% K2O)	cwt	27.09	1.0000	27.09	_________
Nitrogen	cwt	23.39	2.1400	50.05	_________
HERBICIDE					
Glyphosate 3lbs a.e.	pt	1.85	2.0000	3.70	_________
SEED/PLANTS					
Crabgrass seed	lb	7.95	20.0000	159.00	_________
ADJUVANTS					
Surfactant	pt	3.30	1.0000	3.30	_________
CUSTOM FERT					
Custom Spread(Truck)	appl	9.00	3.0000	27.00	_________
SERVICE FEE					
Soil Testing	acre	10.00	0.3300	3.30	_________
OPERATOR LABOR					
Tractors	hour	18.69	1.0163	19.00	_________
HAND LABOR					
Implements	hour	9.06	0.1313	1.19	_________
DIESEL FUEL					
Tractors	gal	2.86	3.9235	11.22	_________
REPAIR & MAINTENANCE					
Implements	acre	6.25	1.0000	6.25	_________
Tractors	acre	1.92	1.0000	1.92	_________
INTEREST ON OP. CAP.	acre	15.80	1.0000	15.80	_________

TOTAL DIRECT EXPENSES				372.48	_________
FIXED EXPENSES					
Implements	acre	13.19	1.0000	13.19	_________
Tractors	acre	14.42	1.0000	14.42	_________

TOTAL FIXED EXPENSES				27.61	_________

TOTAL SPECIFIED EXPENSES				400.09	_________

Note: Cost of production estimates are based on 2024 input prices.
Fertilization and lime decisions should be based on soil test recommendations.
Nitrogen price is an average of Urea, Ammonium Nitrate, and Ammonium Sulfate prices.
This budget assumes 40 units of nitrogen being applied after emergence and 40 units applied after the first grazing cycle.

Appendix

Appendix Table 1. Tractors/Harvesters: estimated purchase price, annual use, useful life, fuel use, and direct and fixed cost per hour, Mississippi, 2026

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----------------					
Tractor(40-59hp)CAB	2WD 50	39,900	600	8	2.57	18.69	7.36	1.24	27.29	9.33	36.63
Tractor(40-59hp)CAB	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)CAB	2WD 75	69,500	600	8	3.86	18.69	11.04	2.17	31.90	16.26	48.16
Tractor(60-89hp)CAB	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)CB	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

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

Appendix Table 2 Towed equipment: estimated purchase price, annual use, useful life, performance rate, and direct and fixed cost per acre, Mississippi, 2026

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---------------------							
Chisel Plow	15'	2WD 130	20,100	150	12	0.130	2.44	2.50	0.95	0.52	6.42	2.11	3.91	12.46
Cult & Post	4R-38	2WD 105	27,300	150	10	0.162	3.77	2.51	1.18	0.46	7.92	3.90	3.48	15.31
Cult & Post	6R-30	MFWD 150	33,900	150	10	0.137	3.19	3.03	1.24	0.77	8.24	4.10	5.78	18.13
Cult & Post	6R-38	MFWD 150	33,800	150	10	0.108	2.52	2.39	0.97	0.60	6.50	3.23	4.56	14.30
Cult & Post	8R-30	MFWD 150	44,100	150	10	0.103	2.39	2.27	1.21	0.57	6.46	4.00	4.33	14.80
Cultipacker	12'	2WD 105	7,470	300	12	0.124	2.32	1.92	0.21	0.35	4.82	0.38	2.66	7.87
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
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 150	36,300	150	10	0.103	1.92	2.27	0.99	0.57	5.78	3.29	4.33	13.41
Cyclone Spin	750Lb	2WD 105	1,864	50	8	0.200	4.64	3.09	0.27	0.57	8.58	1.21	4.28	14.09
Disk & Incorporate	14'	2WD 130	42,100	200	10	0.147	3.42	2.81	1.86	0.58	8.68	4.09	4.40	17.19
Disk & Incorporate	24'	MFWD 150	71,800	200	10	0.085	1.99	1.89	1.85	0.48	6.22	4.07	3.61	13.91
Disk & Incorporate	32'	MFWD 150	93,300	200	10	0.064	1.49	1.42	1.80	0.36	5.08	3.97	2.71	11.76
Disk Bed (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
Disk Bed (Hipper)	6R-38	MFWD 150	23,600	160	10	0.098	1.84	2.17	0.58	0.55	5.15	1.92	4.14	11.23
Disk Bed (Hipper)	8R-30	MFWD 150	32,600	160	10	0.093	1.75	2.07	0.76	0.52	5.11	2.52	3.94	11.57
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	24'	MFWD 150	65,900	180	10	0.081	1.52	1.80	1.49	0.45	5.29	3.96	3.44	12.69
Disk Harrow	32'	MFWD 150	87,500	180	10	0.061	1.14	1.35	1.49	0.34	4.33	3.94	2.58	10.86
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 150	25,300	150	8	0.130	3.04	2.89	2.20	0.73	8.87	3.10	5.50	17.48
Fert Appl (Liquid)	6R-38	MFWD 150	25,300	150	8	0.103	2.40	2.28	1.74	0.58	7.00	2.44	4.34	13.80
Fert Appl (Liquid)	8R-30	MFWD 150	26,300	150	8	0.098	2.28	2.16	1.72	0.55	6.72	2.41	4.12	13.26
Field Cult & Inc	12'	2WD 150	23,200	100	10	0.124	2.88	2.74	0.72	0.59	6.95	3.81	4.43	15.20
Field Cult & Inc	24'	MFWD 150	47,900	100	10	0.062	1.44	1.37	0.74	0.34	3.91	3.93	2.61	10.46
Field Cultivate	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
Field Cultivate	24'	MFWD 150	42,100	100	10	0.062	1.16	1.37	0.65	0.34	3.54	3.46	2.61	9.61
Front Loader	.5 yd	2WD 75	6,930	100	10	0.120	2.24	1.32	0.49	0.22	4.29	1.18	1.68	7.16
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
Hay Baler	Lg Round	2WD 105	67,900	200	8	0.211	3.95	3.26	8.07	0.60	15.90	11.74	4.53	32.18
Hay Baler	Med Rnd	2WD 75	47,900	200	8	0.211	3.95	2.33	5.69	0.39	12.38	8.28	2.97	23.64
Hay Baler	Square	2WD 50	38,100	200	8	0.229	4.28	1.68	4.36	0.20	10.54	7.13	1.56	19.24
Hay Cut-Cond	9'	2WD 105	35,400	200	8	0.229	4.28	3.54	5.07	0.65	13.55	6.63	4.91	25.09
Hay Cut-Cond	12'	2WD 105	48,000	200	8	0.171	3.21	2.65	5.15	0.49	11.51	6.74	3.68	21.94
Hay Disc Mower	8'	2WD 75	15,500	200	8	0.257	4.81	2.84	2.49	0.48	10.64	3.26	3.62	17.53
Hay Disc Mower	10'	2WD 50	17,400	200	8	0.206	3.85	1.51	2.24	0.18	7.80	2.93	1.40	12.14
Hay Mover	1B Lift	2WD 50	680	200	10	0.300	5.60	2.20	0.05	0.27	8.13	0.14	2.04	10.32
Hay Rake	8.5'	2WD 50	8,340	200	8	0.202	3.77	1.48	0.84	0.18	6.29	1.37	1.37	9.05
Hay Rake-Double	17'	2WD 75	8,100	200	8	0.101	1.88	1.11	0.40	0.18	3.60	0.66	1.42	5.69
Hay Tedder	17'	2WD 105	12,500	200	8	0.101	1.88	1.56	0.63	0.28	4.37	1.03	2.16	7.57
Hay Trailer	20'	2WD 75	4,870	200	15	0.090	1.68	0.99	0.11	0.16	2.96	0.25	1.26	4.47
NT Grain Drill	12'	2WD 130	63,700	150	8	0.196	5.45	3.75	4.69	0.78	14.68	11.32	5.87	31.89
NT Plant & Pre Rigid	4R-38	2WD 130	38,100	150	8	0.153	4.26	2.94	2.19	0.61	10.02	5.30	4.60	19.92
NT Plant & Pre Rigid	6R-30	MFWD 150	52,300	150	8	0.130	3.61	2.87	2.55	0.73	9.77	6.16	5.47	21.40
NT Plant & Pre Rigid	6R-38	MFWD 150	47,900	150	8	0.102	2.85	2.26	1.84	0.57	7.54	4.45	4.32	16.32
NT Plant Rigid	4R-38	2WD 130	32,300	150	8	0.148	4.10	2.83	1.79	0.59	9.32	4.32	4.43	18.08
NT Plant Rigid	6R-30	MFWD 150	46,500	150	8	0.125	3.47	2.76	2.18	0.70	9.13	5.27	5.27	19.68
NT Plant Rigid	6R-38	MFWD 150	42,100	150	8	0.098	2.74	2.18	1.56	0.55	7.05	3.77	4.16	14.98
Plant & Pre Rigid	4R-38	2WD 130	34,100	150	8	0.153	4.26	2.94	1.96	0.61	9.78	4.74	4.60	19.13
Plant & Pre Rigid	6R-30	MFWD 150	46,200	150	8	0.126	3.50	2.78	2.18	0.70	9.19	5.28	5.31	19.78
Plant & Pre Rigid	6R-38	MFWD 150	41,700	150	8	0.102	2.85	2.26	1.60	0.57	7.30	3.87	4.32	15.50
Plant Rigid	4R-38	2WD 130	28,200	150	8	0.148	4.10	2.83	1.56	0.59	9.09	3.77	4.43	17.31
Plant Rigid	6R-30	MFWD 150	40,400	150	8	0.125	3.47	2.76	1.89	0.70	8.85	4.58	5.27	18.70
Plant Rigid	6R-38	MFWD 150	35,900	150	8	0.098	2.74	2.18	1.33	0.55	6.82	3.21	4.16	14.19
Rotary Mower	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 Mower	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 Mower	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
Row Cond	13'	2WD 130	12,900	100	10	0.119	2.23	2.28	1.15	0.47	6.15	2.08	3.57	11.81
Row Cond	21'	2WD 150	21,200	100	10	0.078	1.46	1.73	0.41	0.37	3.99	2.20	2.80	8.99
Row Cond & Inc	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	21'	2WD 150	26,900	100	10	0.078	1.82	1.73	0.52	0.37	4.46	2.79	2.80	10.05
Section Harrow	13'	2WD 105	3,210	200	10	0.119	2.23	1.84	0.13	0.34	4.55	0.25	2.56	7.36
Silage Harvester	2-Row	2WD 105	88,000	200	8	0.510	9.53	7.88	28.06	1.46	46.94	36.69	10.93	94.57
Silage Harvester 3-R	3-Row	2WD 105	70,400	200	8	0.336	6.29	5.20	14.81	1.01	27.33	19.37	7.63	54.34
Silage Wagon	10-Ton	2WD 75	11,838	200	15	0.510	9.53	5.63	1.20	0.95	17.33	3.47	7.17	27.98
Silage Wagon 12T	12-Ton	2WD 105	33,000	200	15	0.510	9.53	7.88	3.36	1.54	22.33	9.69	11.56	43.59
Spin Spreader	5 Ton	MFWD 150	14,500	100	8	0.042	1.16	0.92	0.34	0.23	2.67	0.85	1.76	5.30
Spray (Broadcast)	27'	MFWD 150	5,810	200	8	0.062	1.45	1.38	0.17	0.35	3.36	0.25	2.63	6.25
Spray (Spot)	27'	MFWD 150	5,810	200	8	0.062	1.45	1.38	0.17	0.35	3.36	0.25	2.63	6.25
Subsoiler	3 Shank	MFWD 150	6,140	100	15	0.020	0.38	0.45	0.04	0.11	0.98	0.13	0.85	1.98
Tailgate Seeder		2WD 50	2,130	100	8	0.200	3.73	1.47	0.53	0.18	5.92	0.69	1.36	7.98

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

Appendix Table 3. Operating inputs: estimated prices, Mississippi, 2026

ITEM NAME	UNIT	PRICE
		dollars
ADJUVANTS		
Crop Oil (veg)	pt	2.90
Surfactant	pt	3.30
CUSTOM FERT		
App Fert by Air	cwt	13.60
App Fert by Air(Min)	appl	13.60
Custom Spread(Truck)	appl	9.00
CUSTOM LIME		
Lime (Spread)	ton	51.39
CUSTOM PLANT		
Custom Spread + Seed	appl	5.00
Custom Sprig	acre	100.00
Plant by Air	cwt	8.43
CUSTOM SPRAY		
App by Air (10 gal)	appl	9.50
App by Air (2 gal)	appl	3.00
App by Air (3 gal)	appl	7.50
App by Air (5 gal)	appl	8.05
FERTILIZER		
Boron Plus	gal	30.16
Fert 10-34-0	cwt	33.00
Fert 13-13-13	cwt	34.64
Fert 33-0-0-12S	cwt	46.79
Molybdenum	lb	27.37
Nitrogen	cwt	23.39
Phosphate (46% P2O5)	cwt	29.10
Potash (60% K2O)	cwt	27.09
UAN (32% N)	cwt	21.78
UAN + Sulfur (28%)	cwt	24.80
Urea, Solid (46% N)	cwt	25.98
HAUL		
Hay Haul (Conv)	ton	25.00
HERBICIDE		
2,4-D amine	pt	2.23
2,4-D ester	pt	3.14
2,4-DB	pt	4.03
AAtrex 4L	pt	2.98
Accent Q	oz	24.48
Atrazine 4L	pt	2.18
Balan	lb	1.19
Banvel	pt	3.86
Basagran	pt	5.43
Bicep ll Magnum	qt	12.66
Buctril 4EC	pt	4.28
Clethodim	oz	0.23
Dicamba	pt	4.20
Diuron 4L	pt	3.09
Dual II Magnum	pt	12.64
Dual Magnum	pt	10.11
Glyphosate 3lbs a.e.	pt	1.85
Gramoxone Inteon	oz	0.17
Gramoxone SL 2.0	oz	0.32
Grazon P+D	pt	5.41
GrazonNext	pt	7.69
Metribuzin 75	lb	9.05
Novagraz	pt	11.00
Pendimethalin	pt	6.63
Poast	pt	17.82
Poast Plus	pt	9.49
Pursuit	oz	3.02
Remedy Ultra	pt	12.65
Roundup Original	pt	2.85
Roundup Power Max	pt	2.85
Roundup Power Max	oz	0.18
Ultra Blazer	pt	5.44
Weedmaster	pt	3.50
INSECTICIDE		
Baythroid XL	oz	1.22
Blackhawk 36 WG	oz	12.27
Coragen	oz	6.93
Intrepid 2F	oz	2.28
Lannate LV	pt	8.60
Malathion 57 EC	pt	8.60
Mustang Max	oz	1.48
Prevathon	oz	1.47
Sevin XLR Plus	qt	19.25
OTHER		
Net Wrap (9840ft)	roll	269.49
Twine	bun	35.00
SEED/PLANTS		
Alfalfa Seed	lb	4.39
Bahiagrass Seed	lb	4.60
Balansa Clover	lb.	3.21
Brassica Seed	lb	2.47
Common Bermuda Seed	lb	3.98
Corn Seed RR2	thous	4.55
Crabgrass seed	lb	7.95
Crimson Clover Seed	lb	2.30
Dallisgrass Seed	lb	10.95
Fescue Seed	lb	2.70
Forage Sorghum Seed	lb	0.76
MaxQ Fescue Seed	lb	4.93
Millet Seed	lb	1.55
Red Clover Seed	lb	3.36
Ryegrass Seed	lb	0.80
Small Grains Seed	lb	0.83
SS, PM, FS Seed	lb	1.28
SS, PM, Seed	lb	1.55
Wheat Seed	lb	0.24
White Clover Seed	lb	5.05
SERVICE FEE		
Soil Testing	acre	10.00
Soil Testing	acre	10.00

Appendix Table 4. Estimated fuel prices and interest rates, Mississippi, 2026

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 5. Labor types and wage rates, Mississippi, 2026

Item name	Unit	Wage Rate
OPERATOR LABOR	hour	18.69
HAND LABOR	hour	9.06

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