RICE
2025
PLANNING BUDGETS

Mississippi State University
Department of Agricultural Economics
Budget Report 2024-04

November 2024

Foreword

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

Acknowledgments

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

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

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

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Budgets for Agricultural Enterprises

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

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

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

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

Methods and Procedures

Production Practices

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

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

Machinery

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

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

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

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

Estimates of Direct Costs

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

$$RPH = \frac{RLC \; x \; RP}{THL}$$

$$RPA = RPH \; x \; PR$$

where:

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

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

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

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

Estimates of Fixed Costs

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

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

where:

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

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

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

Estimates of Returns

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

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

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

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

Irrigation Costs

Estimated costs of various irrigation systems are presented in Appendix Tables 8, 9, 10, and 11.

Net Returns

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

Enterprise Budgets

Table 1.A Estimated costs per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	5.5000	44.28	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_________
NBPT	pt	18.00	0.7500	13.50	_________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Regiment	oz	48.18	0.5000	24.09	_________
Facet L	pt	17.36	2.0000	34.72	_________
Permit	oz	23.42	0.6700	15.69	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	75.0000	24.75	_________
Rice Seed Trt/Insect	lbseed	0.29	88.6000	25.69	_________
Rice Seed Cv(Levees)	lb	0.33	13.6000	4.49	_________
ADJUVANTS					
Class Act NG	pt	5.00	0.5000	2.50	_________
MSO	pt	3.50	1.0000	3.50	_________
Dyne-A-Pak	pt	4.17	0.5000	2.09	_________
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	_________
Surfactant	pt	3.30	0.1000	0.33	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_________
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_________
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	_________
Harvesters	hour	18.69	0.1269	2.37	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	1.5000	13.59	_________
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_________
DIESEL FUEL					
Tractors	gal	2.86	7.5785	21.65	_________
Harvesters	gal	2.86	2.7765	7.94	_________
Flood Irr.	gal	2.86	26.8827	76.89	_________
REPAIR & MAINTENANCE					
Implements	acre	10.95	1.0000	10.95	_________
Tractors	acre	6.00	1.0000	6.00	_________
Harvesters	acre	7.43	1.0000	7.43	_________
Flood Irr.	acre	14.31	1.0000	14.31	_________
INTEREST ON OP. CAP.	acre	27.97	1.0000	27.97	_________

TOTAL DIRECT EXPENSES				964.37	_________
FIXED EXPENSES					
Implements	acre	30.81	1.0000	30.81	_________
Tractors	acre	46.44	1.0000	46.44	_________
Harvesters	acre	35.58	1.0000	35.58	_________
Flood Irr.	acre	59.44	1.0000	59.44	_________

TOTAL FIXED EXPENSES				172.27	_________

TOTAL SPECIFIED EXPENSES				1136.64	_________

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

Table 1.B Summary of estimated costs and returns per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_________

TOTAL INCOME				960.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	54.03	1.0000	54.03	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	150.55	1.0000	150.55	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	54.93	1.0000	54.93	_________
ADJUVANTS	acre	9.56	1.0000	9.56	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	48.00	1.0000	48.00	_________
DRYING	acre	64.00	1.0000	64.00	_________
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_________
OPERATOR LABOR	hour	18.69	0.6745	12.60	_________
RICE MGT. LABOR	hour	9.06	1.5000	13.59	_________
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_________
DIESEL FUEL	gal	2.86	37.2377	106.48	_________
REPAIR & MAINTENANCE	acre	38.69	1.0000	38.69	_________
INTEREST ON OP. CAP.	acre	27.97	1.0000	27.97	_________

TOTAL DIRECT EXPENSES				964.37	_________
RETURNS ABOVE DIRECT EXPENSES				-4.37	_________
TOTAL FIXED EXPENSES				172.27	_________

TOTAL SPECIFIED EXPENSES				1136.64	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-176.64	_________

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

Table 1.C Estimated resource use for field operations, per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							----hours----			
Soil Test	acre			0.33	Sep	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					75.0000				
Rice Seed Trt/Insect	lbseed					75.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
Class Act NG	pt					0.5000				
MSO	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Cv(Levees)	lb					13.6000				
Rice Seed Trt/Insect	lbseed					13.6000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.30	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					0.5000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.50	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.50	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (CL)	40' Rigid	425 hp	0.126	1.00	Aug		0.12	0.12	0.12	0.11
Grain Cart Rice	700 bu	MFWD 225	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.67	0.67	6.02	0.49

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

Table 1.D Estimated costs for field operations, per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.02	3.35		3.35
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Conv.	lb	24.75					1.02	25.77		25.77
Rice Seed Trt/Insect	lbseed	21.75					0.90	22.65		22.65
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
Class Act NG	pt	2.50					0.10	2.60		2.60
MSO	pt	1.75					0.07	1.82		1.82
Seed Levees										
Rice Seed Cv(Levees)	lb	4.49					0.19	4.68		4.68
Rice Seed Trt/Insect	lbseed	3.94					0.16	4.10		4.10
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
Rice Management										
RICE MGT. LABOR	hour				2.72		0.09	2.81		2.81
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	1.75					0.05	1.80		1.80
Rice Management										
RICE MGT. LABOR	hour				4.53		0.12	4.65		4.65
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				4.53		0.09	4.62		4.62
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (CL)	40' Rigid		7.94	10.20	4.50		0.31	22.95	41.05	64.00
Grain Cart Rice	700 bu		0.36	0.27	0.40		0.01	1.04	1.22	2.26
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		720.85	106.48	38.69	70.38	0.00	27.97	964.37	172.27	1136.64

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

Table 1.E Estimated monthly income and expense flows per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	54.93	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	1.75	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.33
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	9.52	11.33	11.33	10.74	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	9.44	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	10.86	5.05
INTEREST ON OP. CAP.	1.15	0.00	0.00	0.00	1.01	0.00	6.72	10.18	4.02	2.80	1.95	0.14
TOTAL DIRECT EXPENSES	15.06	0.00	0.00	0.00	19.28	0.00	169.72	306.29	150.46	137.99	144.99	20.58
NET INCOME	-15.06	0.00	0.00	0.00	-19.28	0.00	-169.72	-306.29	-150.46	-137.99	815.01	-20.58
NET INCOME TO DATE	-15.06	-15.06	-15.06	-15.06	-34.34	-34.34	-204.06	-510.35	-660.81	-798.80	16.21	-4.37

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

Table 1.F Estimated returns for various price/yield combinations, per acre
Contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-547	-523	-499	-475	-451	-427	-403	-379	-355	-331	-307
			-719	-695	-671	-647	-623	-599	-575	-551	-527	-503	-479
60	96.00	bu	-486	-458	-429	-400	-371	-342	-314	-285	-256	-227	-198
			-659	-630	-601	-572	-544	-515	-486	-457	-428	-400	-371
70	112.00	bu	-426	-392	-359	-325	-291	-258	-224	-191	-157	-123	-90
			-598	-564	-531	-497	-464	-430	-396	-363	-329	-296	-262
80	128.00	bu	-365	-327	-288	-250	-212	-173	-135	-96	-58	-20	18
			-537	-499	-461	-422	-384	-345	-307	-269	-230	-192	-153
90	144.00	bu	-305	-261	-218	-175	-132	-89	-45	-2	40	83	126
			-477	-434	-390	-347	-304	-261	-218	-174	-131	-88	-45
100	160.00	bu	-244	-196	-148	-100	-52	-4	43	91	139	187	235
			-416	-368	-320	-272	-224	-176	-128	-80	-32	15	63
110	176.00	bu	-183	-130	-78	-25	27	80	133	185	238	291	344
			-355	-303	-250	-197	-144	-91	-39	13	66	119	172
120	192.00	bu	-123	-65	-7	49	107	164	222	280	337	395	452
			-295	-237	-180	-122	-64	-7	50	107	165	223	280
130	208.00	bu	-62	-0	62	124	187	249	311	374	436	499	561
			-234	-172	-109	-47	14	77	139	202	264	326	389
140	224.00	bu	-1	65	132	199	267	334	401	468	535	603	670
			-174	-106	-39	27	94	161	229	296	363	430	497
150	240.00	bu	58	130	202	274	346	418	490	562	634	706	778
			-113	-41	30	102	174	246	318	390	462	534	606

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 2.A Estimated costs per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	5.5000	44.28	________
App by Air (3 gal)	appl	7.50	1.3000	9.75	________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	________
DAP	cwt	36.68	0.5000	18.34	________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	________
NBPT	pt	18.00	0.7500	13.50	________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	________
2,4-D Amine 4	pt	2.23	2.0000	4.46	________
Command 3ME	pt	14.95	1.3000	19.43	________
Sharpen	oz	7.46	3.0000	22.38	________
Regiment	oz	48.18	0.5000	24.09	________
Facet L	pt	17.36	2.0000	34.72	________
Permit	oz	23.42	0.6700	15.69	________
Clincher SF	oz	2.69	7.5000	20.18	________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	________
Warrior II ZT	oz	3.02	0.6000	1.81	________
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	75.0000	24.75	________
Rice Seed Trt/Insect	lbseed	0.29	88.6000	25.69	________
Rice Seed Cv(Levees)	lb	0.33	13.6000	4.49	________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	________
Class Act NG	pt	5.00	0.5000	2.50	________
Dyne-A-Pak	pt	4.17	0.5000	2.09	________
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	________
Surfactant	pt	3.30	0.1000	0.33	________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	________
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	________
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	________
Harvesters	hour	18.69	0.1269	2.37	________
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	________
Implements	hour	9.06	0.0785	0.71	________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	________
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	________
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	________
Harvesters	gal	2.86	2.7765	7.94	________
Flood Irr.	gal	2.86	21.9949	62.91	________
REPAIR & MAINTENANCE					
Implements	acre	10.85	1.0000	10.85	________
Tractors	acre	5.70	1.0000	5.70	________
Harvesters	acre	7.43	1.0000	7.43	________
Flood Irr.	acre	14.31	1.0000	14.31	________
INTEREST ON OP. CAP.	acre	27.22	1.0000	27.22	________
TOTAL DIRECT EXPENSES				929.12	________
FIXED EXPENSES					
Implements	acre	30.11	1.0000	30.11	________
Tractors	acre	44.11	1.0000	44.11	________
Harvesters	acre	35.58	1.0000	35.58	________
Flood Irr.	acre	92.37	1.0000	92.37	________
TOTAL FIXED EXPENSES				202.17	________
TOTAL SPECIFIED EXPENSES				1131.29	________

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

Table 2.B Summary of estimated costs and returns per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_________
TOTAL INCOME				960.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	54.03	1.0000	54.03	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	150.55	1.0000	150.55	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	54.93	1.0000	54.93	_________
ADJUVANTS	acre	11.31	1.0000	11.31	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	48.00	1.0000	48.00	_________
DRYING	acre	64.00	1.0000	64.00	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_________
OPERATOR LABOR	hour	18.69	0.6268	11.72	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_________
DIESEL FUEL	gal	2.86	31.9758	91.45	_________
REPAIR & MAINTENANCE	acre	38.29	1.0000	38.29	_________
INTEREST ON OP. CAP.	acre	27.22	1.0000	27.22	_________
TOTAL DIRECT EXPENSES				929.12	_________
RETURNS ABOVE DIRECT EXPENSES				30.88	_________
TOTAL FIXED EXPENSES				202.17	_________
TOTAL SPECIFIED EXPENSES				1131.29	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-171.29	_________

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

Table 2.C Estimated resource use for field operations, per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------	hours	------------	
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					75.0000				
Rice Seed Trt/Insect	lbseed					75.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Cv(Levees)	lb					13.6000				
Rice Seed Trt/Insect	lbseed					13.6000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (CL)	40' Rigid	425 hp	0.126	1.00	Aug		0.12	0.12	0.12	0.11
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
TOTALS							0.62	0.62	4.03	0.49

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

Table 2.D Estimated costs for field operations, per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST (dollars)								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Conv.	lb	24.75					1.02	25.77		25.77
Rice Seed Trt/Insect	lbseed	21.75					0.90	22.65		22.65
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Cv(Levees)	lb	4.49					0.19	4.68		4.68
Rice Seed Trt/Insect	lbseed	3.94					0.16	4.10		4.10
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (CL)	40' Rigid		7.94	10.20	4.50		0.31	22.95	41.05	64.00
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		720.35	91.45	38.29	51.81	0.00	27.22	929.12	202.17	1131.29

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

Table 2.E Estimated monthly income and expense flows per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	54.93	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	10.36	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	9.06	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	10.71	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	6.43	9.89	3.80	2.60	1.95	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	162.46	297.15	142.23	128.03	144.08	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-162.46	-297.15	-142.23	-128.03	815.92	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-200.40	-497.55	-639.78	-767.81	48.11	30.88

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

Table 2.F Estimated returns for various price/yield combinations, per acre
Straight levee rice
Flood irrigated, 27 ac-in, Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PERCENT										
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-512	-488	-464	-440	-416	-392	-368	-344	-320	-296	-272
			-714	-690	-666	-642	-618	-594	-570	-546	-522	-498	-474
60	96.00	bu	-451	-422	-394	-365	-336	-307	-278	-250	-221	-192	-163
			-653	-625	-596	-567	-538	-509	-481	-452	-423	-394	-365
70	112.00	bu	-391	-357	-323	-290	-256	-223	-189	-155	-122	-88	-55
			-593	-559	-526	-492	-458	-425	-391	-358	-324	-290	-257
80	128.00	bu	-330	-292	-253	-215	-176	-138	-100	-61	-23	15	53
			-532	-494	-455	-417	-378	-340	-302	-263	-225	-186	-148
90	144.00	bu	-269	-226	-183	-140	-96	-53	-10	32	75	119	162
			-471	-428	-385	-342	-299	-255	-212	-169	-126	-83	-39
100	160.00	bu	-209	-161	-113	-65	-17	30	78	126	174	222	270
			-411	-363	-315	-267	-219	-171	-123	-75	-27	20	68
110	176.00	bu	-148	-95	-42	9	62	115	168	221	273	326	379
			-350	-297	-245	-192	-139	-86	-33	18	71	124	177
120	192.00	bu	-87	-30	27	84	142	200	257	315	372	430	488
			-289	-232	-174	-117	-59	-1	55	113	170	228	286
130	208.00	bu	-27	35	97	160	222	284	347	409	472	534	596
			-229	-166	-104	-42	20	82	145	207	269	332	394
140	224.00	bu	33	100	167	235	302	369	436	503	571	638	705
			-168	-101	-34	32	100	167	234	301	368	436	503
150	240.00	bu	94	166	238	310	382	454	526	598	670	742	814
			-108	-36	35	107	179	251	323	395	467	539	611

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 3.A Estimated costs per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	5.5000	44.28	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_________
NBPT	pt	18.00	0.7500	13.50	_________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Regiment	oz	48.18	0.5000	24.09	_________
Facet L	pt	17.36	2.0000	34.72	_________
Permit	oz	23.42	0.6700	15.69	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	75.0000	24.75	_________
Rice Seed Trt/Insect	lbseed	0.29	88.6000	25.69	_________
Rice Seed Cv(Levees)	lb	0.33	13.6000	4.49	_________
ADJUVANTS					
Class Act NG	pt	5.00	0.5000	2.50	_________
MSO	pt	3.50	1.5000	5.25	_________
Dyne-A-Pak	pt	4.17	0.5000	2.09	_________
Crop Oil Conc.(Pet.)	pt	2.86	0.5000	1.43	_________
Surfactant	pt	3.30	0.1000	0.33	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_________
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_________
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_________
Implements	hour	9.06	0.0375	0.34	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	18.7364	53.59	_________
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_________
Tractors	acre	5.88	1.0000	5.88	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	13.96	1.0000	13.96	_________
INTEREST ON OP. CAP.	acre	26.94	1.0000	26.94	_________
TOTAL DIRECT EXPENSES				914.88	_________
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	_________
Tractors	acre	45.59	1.0000	45.59	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	92.02	1.0000	92.02	_________
TOTAL FIXED EXPENSES				198.84	_________
TOTAL SPECIFIED EXPENSES				1113.72	_________

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

Table 3.B Summary of estimated costs and returns per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_________

TOTAL INCOME				960.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	54.03	1.0000	54.03	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	150.55	1.0000	150.55	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_________
SEED/PLANTS	acre	54.93	1.0000	54.93	_________
ADJUVANTS	acre	11.60	1.0000	11.60	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	48.00	1.0000	48.00	_________
DRYING	acre	64.00	1.0000	64.00	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_________
OPERATOR LABOR	hour	18.69	0.6381	11.94	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	28.5932	81.77	_________
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_________
INTEREST ON OP. CAP.	acre	26.94	1.0000	26.94	_________

TOTAL DIRECT EXPENSES				914.88	_________
RETURNS ABOVE DIRECT EXPENSES				45.12	_________
TOTAL FIXED EXPENSES				198.84	_________

TOTAL SPECIFIED EXPENSES				1113.72	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-153.72	_________

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

Table 3.C Estimated resource use for field operations, per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					75.0000				
Rice Seed Trt/Insect	lbseed					75.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
Class Act NG	pt					0.5000				
MSO	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Cv(Levees)	lb					13.6000				
Rice Seed Trt/Insect	lbseed					13.6000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.5000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
TOTALS							0.63	0.63	2.82	0.47

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

Table 3.D Estimated costs for field operations, per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST: OP INPUT	DIRECT COST: FUEL	DIRECT COST: R&M	DIRECT COST: LABOR	DIRECT COST: LEASE	DIRECT COST: INTER	DIRECT COST: TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Conv.	lb	24.75					1.02	25.77		25.77
Rice Seed Trt/Insect	lbseed	21.75					0.90	22.65		22.65
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
Class Act NG	pt	2.50					0.10	2.60		2.60
MSO	pt	1.75					0.07	1.82		1.82
Seed Levees										
Rice Seed Cv(Levees)	lb	4.49					0.19	4.68		4.68
Rice Seed Trt/Insect	lbseed	3.94					0.16	4.10		4.10
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.43					0.05	1.48		1.48
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		728.56	81.77	36.86	40.75	0.00	26.94	914.88	198.84	1113.72

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

Table 3.E Estimated monthly income and expense flows per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	54.93	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.52	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	6.60	9.71	3.66	2.50	1.92	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	166.79	292.13	136.96	122.80	141.03	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-166.79	-292.13	-136.96	-122.80	818.97	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-204.73	-496.86	-633.82	-756.62	62.35	45.12

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

Table 3.F Estimated returns for various price/yield combinations, per acre
Straight levee rice
Multi inlet flood irrigated, 23 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-498	-474	-450	-426	-402	-378	-354	-330	-306	-282	-258
			-696	-672	-648	-624	-600	-576	-552	-528	-504	-480	-456
60	96.00	bu	-437	-408	-379	-351	-322	-293	-264	-235	-207	-178	-149
			-636	-607	-578	-549	-521	-492	-463	-434	-405	-377	-348
70	112.00	bu	-376	-343	-309	-276	-242	-208	-175	-141	-108	-74	-40
			-575	-542	-508	-474	-441	-407	-374	-340	-306	-273	-239
80	128.00	bu	-316	-277	-239	-200	-162	-124	-85	-47	-8	29	67
			-515	-476	-438	-399	-361	-323	-284	-246	-207	-169	-131
90	144.00	bu	-255	-212	-169	-125	-82	-39	3	46	90	133	176
			-454	-411	-367	-324	-281	-238	-195	-151	-108	-65	-22
100	160.00	bu	-194	-146	-98	-50	-2	45	93	141	189	237	285
			-393	-345	-297	-249	-201	-153	-105	-57	-9	38	86
110	176.00	bu	-134	-81	-28	24	76	129	182	235	288	340	393
			-333	-280	-227	-174	-121	-69	-16	36	89	142	194
120	192.00	bu	-73	-15	41	99	156	214	272	329	387	444	502
			-272	-214	-157	-99	-42	15	73	130	188	245	303
130	208.00	bu	-12	49	111	174	236	299	361	423	486	548	611
			-211	-149	-86	-24	37	100	162	225	287	349	412
140	224.00	bu	47	114	182	249	316	383	450	518	585	652	719
			-151	-83	-16	50	117	184	252	319	386	453	520
150	240.00	bu	108	180	252	324	396	468	540	612	684	756	828
			-90	-18	53	125	197	269	341	413	485	557	629

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 4.A Estimated costs per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	5.5000	44.28	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_________
NBPT	pt	18.00	0.7500	13.50	_________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Regiment	oz	48.18	0.5000	24.09	_________
Facet L	pt	17.36	2.0000	34.72	_________
Permit	oz	23.42	0.6700	15.69	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	75.0000	24.75	_________
Rice Seed Trt/Insect	lbseed	0.29	75.0000	21.75	_________
ADJUVANTS					
Class Act NG	pt	5.00	0.5000	2.50	_________
MSO	pt	3.50	1.5000	5.25	_________
Dyne-A-Pak	pt	4.17	0.5000	2.09	_________
Crop Oil Conc.(Pet.)	pt	2.86	0.5000	1.43	_________
Surfactant	pt	3.30	0.1000	0.33	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_________
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_________
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	15.4779	44.27	_________
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	_________
Tractors	acre	5.17	1.0000	5.17	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	11.80	1.0000	11.80	_________
INTEREST ON OP. CAP.	acre	25.58	1.0000	25.58	_________

TOTAL DIRECT EXPENSES				876.89	_________
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	_________
Tractors	acre	40.06	1.0000	40.06	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	91.67	1.0000	91.67	_________

TOTAL FIXED EXPENSES				191.10	_________

TOTAL SPECIFIED EXPENSES				1067.99	_________

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

Table 4.B Summary of estimated costs and returns per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_________

TOTAL INCOME				960.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	54.03	1.0000	54.03	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	150.55	1.0000	150.55	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	46.50	1.0000	46.50	_________
ADJUVANTS	acre	11.60	1.0000	11.60	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	48.00	1.0000	48.00	_________
DRYING	acre	64.00	1.0000	64.00	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_________
OPERATOR LABOR	hour	18.69	0.5328	9.97	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	24.4137	69.82	_________
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_________
INTEREST ON OP. CAP.	acre	25.58	1.0000	25.58	_________

TOTAL DIRECT EXPENSES				876.89	_________
RETURNS ABOVE DIRECT EXPENSES				83.11	_________
TOTAL FIXED EXPENSES				191.10	_________

TOTAL SPECIFIED EXPENSES				1067.99	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-107.99	_________

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

Table 4.C Estimated resource use for field operations, per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours	------------		
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					75.0000				
Rice Seed Trt/Insect	lbseed					75.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
Class Act NG	pt					0.5000				
MSO	pt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.5000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
TOTALS							0.53	0.53	2.61	0.47

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

Table 4.D Estimated costs for field operations, per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Conv.	lb	24.75					1.02	25.77		25.77
Rice Seed Trt/Insect	lbseed	21.75					0.90	22.65		22.65
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
Class Act NG	pt	2.50					0.10	2.60		2.60
MSO	pt	1.75					0.07	1.82		1.82
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.43					0.05	1.48		1.48
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		709.96	69.82	33.74	37.79	0.00	25.58	876.89	191.10	1067.99

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

Table 4.E Estimated monthly income and expense flows per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	46.50	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.52	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	5.48	9.63	3.59	2.45	1.88	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	138.52	289.63	134.47	120.33	138.77	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-138.52	-289.63	-134.47	-120.33	821.23	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-176.46	-466.09	-600.56	-720.89	100.34	83.11

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

Table 4.F Estimated returns for various price/yield combinations, per acre
Straight levee rice - zero grade
Flood irrigated, 19 ac-in., Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-460	-436	-412	-388	-364	-340	-316	-292	-268	-244	-220
			-651	-627	-603	-579	-555	-531	-507	-483	-459	-435	-411
60	96.00	bu	-399	-370	-341	-313	-284	-255	-226	-197	-169	-140	-111
			-590	-561	-532	-504	-475	-446	-417	-388	-360	-331	-302
70	112.00	bu	-338	-305	-271	-238	-204	-170	-137	-103	-70	-36	-2
			-529	-496	-462	-429	-395	-361	-328	-294	-261	-227	-193
80	128.00	bu	-278	-239	-201	-162	-124	-86	-47	-9	29	67	105
			-469	-430	-392	-354	-315	-277	-238	-200	-162	-123	-85
90	144.00	bu	-217	-174	-131	-87	-44	-1	41	84	128	171	214
			-408	-365	-322	-279	-235	-192	-149	-106	-63	-19	23
100	160.00	bu	-156	-108	-60	-12	35	83	131	179	227	275	323
			-347	-299	-251	-203	-155	-107	-59	-11	36	84	132
110	176.00	bu	-96	-43	9	62	114	167	220	273	326	378	431
			-287	-234	-181	-128	-76	-23	29	82	135	187	240
120	192.00	bu	-35	22	79	137	194	252	310	367	425	482	540
			-226	-169	-111	-53	3	61	118	176	234	291	349
130	208.00	bu	25	87	149	212	274	337	399	461	524	586	649
			-166	-103	-41	21	83	145	208	270	333	395	457
140	224.00	bu	85	152	220	287	354	421	488	556	623	690	757
			-105	-38	28	96	163	230	297	364	432	499	566
150	240.00	bu	146	218	290	362	434	506	578	650	722	794	866
			-44	27	99	171	243	315	387	459	531	603	675

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 5.A Estimated costs per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_________
NBPT	pt	18.00	0.8000	14.40	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Regiment	oz	48.18	0.5000	24.09	_________
Facet L	pt	17.36	2.0000	34.72	_________
Permit	oz	23.42	0.6700	15.69	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
SEED/PLANTS					
Rice Conv Hyb Trt	lb	6.31	23.0000	145.13	_________
Rice Seed CvH(Levee)	lb	1.93	4.2500	8.20	_________
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Dyne-A-Pak	pt	4.17	0.5000	2.09	_________
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_________
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_________
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	7.6209	21.78	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	26.8827	76.89	_________
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_________
Tractors	acre	6.02	1.0000	6.02	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	14.31	1.0000	14.31	_________
INTEREST ON OP. CAP.	acre	31.88	1.0000	31.88	_________

TOTAL DIRECT EXPENSES				1045.20	_________
FIXED EXPENSES					
Implements	acre	30.08	1.0000	30.08	_________
Tractors	acre	46.61	1.0000	46.61	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	59.44	1.0000	59.44	_________

TOTAL FIXED EXPENSES				166.96	_________

TOTAL SPECIFIED EXPENSES				1212.16	_________

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

Table 5.B Summary of estimated costs and returns per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________
TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	45.98	1.0000	45.98	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	150.55	1.0000	150.55	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	154.56	1.0000	154.56	_________
ADJUVANTS	acre	10.98	1.0000	10.98	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_________
OPERATOR LABOR	hour	18.69	0.6575	12.29	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	36.9100	105.55	_________
REPAIR & MAINTENANCE	acre	37.35	1.0000	37.35	_________
INTEREST ON OP. CAP.	acre	31.88	1.0000	31.88	_________
TOTAL DIRECT EXPENSES				1045.20	_________
RETURNS ABOVE DIRECT EXPENSES				34.80	_________
TOTAL FIXED EXPENSES				166.96	_________
TOTAL SPECIFIED EXPENSES				1212.16	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-132.16	_________

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

Table 5.C Estimated resource use for field operations, per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Conv Hyb Trt	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CvH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.65	0.65	5.21	0.47

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

Table 5.D Estimated costs for field operations, per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST: OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Conv Hyb Trt	lb	145.13					5.99	151.12		151.12
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CvH(Levee)	lb	8.20					0.34	8.54		8.54
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		807.88	105.55	37.35	62.54	0.00	31.88	1045.20	166.96	1212.16

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

Table 5.E Estimated monthly income and expense flows per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	154.56	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	7.71	8.61	8.61	10.15	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	8.51	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	9.52	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	10.83	10.39	4.00	2.00	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	273.46	312.32	149.47	98.49	156.29	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-273.46	-312.32	-149.47	-98.49	923.71	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-311.40	-623.72	-773.19	-871.68	52.03	34.80

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

* Lease costs are based on hourly usage costs

Table 5.F Estimated returns for various price/yield combinations, per acre
Conventional hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-576	-549	-522	-495	-468	-441	-414	-387	-360	-333	-306
			-743	-716	-689	-662	-635	-608	-581	-554	-527	-500	-473
60	108.00	bu	-508	-475	-443	-410	-378	-346	-313	-281	-248	-216	-184
			-675	-642	-610	-577	-545	-513	-480	-448	-415	-383	-351
70	126.00	bu	-439	-402	-364	-326	-288	-250	-213	-175	-137	-99	-61
			-606	-569	-531	-493	-455	-417	-380	-342	-304	-266	-228
80	144.00	bu	-371	-328	-285	-242	-198	-155	-112	-69	-26	17	60
			-538	-495	-452	-409	-365	-322	-279	-236	-193	-149	-106
90	162.00	bu	-303	-254	-206	-157	-109	-60	-11	36	85	133	182
			-470	-421	-373	-324	-275	-227	-178	-130	-81	-32	15
100	180.00	bu	-235	-181	-127	-73	-19	34	88	142	196	250	304
			-402	-348	-294	-240	-186	-132	-78	-24	29	83	137
110	198.00	bu	-166	-107	-48	11	70	130	189	248	308	367	427
			-333	-274	-215	-155	-96	-36	22	81	141	200	260
120	216.00	bu	-98	-33	30	95	160	225	290	354	419	484	549
			-265	-200	-136	-71	-6	58	123	187	252	317	382
130	234.00	bu	-30	39	109	180	250	320	390	460	531	601	671
			-197	-127	-57	13	83	153	223	293	364	434	504
140	252.00	bu	37	113	188	264	340	415	491	566	642	718	793
			-129	-53	21	97	173	248	324	399	475	551	626
150	270.00	bu	105	186	267	348	429	510	591	672	753	834	915
			-61	19	100	181	262	343	424	505	586	667	748

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 6.A Estimated costs per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	
App by Air (3 gal)	appl	7.50	1.3000	9.75	
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	
DAP	cwt	36.68	0.5000	18.34	
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	
NBPT	pt	18.00	0.8000	14.40	
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	
2,4-D Amine 4	pt	2.23	2.0000	4.46	
Command 3ME	pt	14.95	1.3000	19.43	
Sharpen	oz	7.46	3.0000	22.38	
Regiment	oz	48.18	0.5000	24.09	
Facet L	pt	17.36	2.0000	34.72	
Permit	oz	23.42	0.6700	15.69	
Clincher SF	oz	2.69	7.5000	20.18	
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	
Warrior II ZT	oz	3.02	0.6000	1.81	
SEED/PLANTS					
Rice Conv Hyb Trt	lb	6.31	23.0000	145.13	
Rice Seed CvH(Levee)	lb	1.93	4.2500	8.20	
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	
Class Act NG	pt	5.00	0.5000	2.50	
Dyne-A-Pak	pt	4.17	0.5000	2.09	
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	
Harvesters	hour	18.69	0.1100	2.06	
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	
Implements	hour	9.06	0.0785	0.71	
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	
Harvesters	gal	2.86	2.4063	6.88	
Flood Irr.	gal	2.86	21.9949	62.91	
REPAIR & MAINTENANCE					
Implements	acre	10.48	1.0000	10.48	
Tractors	acre	5.70	1.0000	5.70	
Harvesters	acre	6.44	1.0000	6.44	
Flood Irr.	acre	14.31	1.0000	14.31	
INTEREST ON OP. CAP.	acre	31.00	1.0000	31.00	
TOTAL DIRECT EXPENSES				1015.17	
FIXED EXPENSES					
Implements	acre	29.38	1.0000	29.38	
Tractors	acre	44.11	1.0000	44.11	
Harvesters	acre	30.83	1.0000	30.83	
Flood Irr.	acre	92.37	1.0000	92.37	
TOTAL FIXED EXPENSES				196.69	
TOTAL SPECIFIED EXPENSES				1211.86	

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

Table 6.B Summary of estimated costs and returns per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	45.98	1.0000	45.98	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	150.55	1.0000	150.55	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	154.56	1.0000	154.56	_________
ADJUVANTS	acre	10.98	1.0000	10.98	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_________
OPERATOR LABOR	hour	18.69	0.6099	11.41	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	31.6056	90.39	_________
REPAIR & MAINTENANCE	acre	36.93	1.0000	36.93	_________
INTEREST ON OP. CAP.	acre	31.00	1.0000	31.00	_________

TOTAL DIRECT EXPENSES				1015.17	_________
RETURNS ABOVE DIRECT EXPENSES				64.83	_________
TOTAL FIXED EXPENSES				196.69	_________

TOTAL SPECIFIED EXPENSES				1211.86	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-131.86	_________

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

Table 6.C Estimated resource use for field operations, per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Conv Hyb Trt	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CvH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
TOTALS							0.60	0.60	4.01	0.47

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

Table 6.D Estimated costs for field operations, per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Conv Hyb Trt	lb	145.13					5.99	151.12		151.12
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CvH(Levee)	lb	8.20					0.34	8.54		8.54
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		805.63	90.39	36.93	51.22	0.00	31.00	1015.17	196.69	1211.86

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

Table 6.E Estimated monthly income and expense flows per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	154.56	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	9.77	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	8.00	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	9.35	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	10.54	10.16	3.80	1.85	2.10	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	266.20	305.05	142.23	91.30	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-266.20	-305.05	-142.23	-91.30	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-304.14	-609.19	-751.42	-842.72	82.06	64.83

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

Table 6.F Estimated returns for various price/yield combinations, per acre
Conventional hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-546	-519	-492	-465	-438	-411	-384	-357	-330	-303	-276
			-742	-715	-688	-661	-634	-607	-580	-553	-526	-499	-472
60	108.00	bu	-478	-445	-413	-380	-348	-316	-283	-251	-218	-186	-154
			-674	-642	-609	-577	-545	-512	-480	-447	-415	-383	-350
70	126.00	bu	-409	-372	-334	-296	-258	-220	-183	-145	-107	-69	-31
			-606	-568	-530	-493	-455	-417	-379	-341	-304	-266	-228
80	144.00	bu	-341	-298	-255	-212	-168	-125	-82	-39	3	47	90
			-538	-495	-451	-408	-365	-322	-279	-235	-192	-149	-106
90	162.00	bu	-273	-224	-176	-127	-78	-30	18	66	115	164	212
			-470	-421	-372	-324	-275	-227	-178	-129	-81	-32	15
100	180.00	bu	-205	-151	-97	-43	10	64	118	172	226	280	334
			-401	-347	-293	-239	-185	-131	-77	-23	30	84	138
110	198.00	bu	-136	-77	-18	41	100	160	219	278	338	397	457
			-333	-274	-214	-155	-96	-36	22	82	141	200	260
120	216.00	bu	-68	-3	60	125	190	255	320	384	449	514	579
			-265	-200	-135	-71	-6	58	123	188	252	317	382
130	234.00	bu	-0	69	139	210	280	350	420	490	561	631	701
			-197	-126	-56	13	83	153	224	294	364	434	504
140	252.00	bu	67	143	218	294	370	445	521	596	672	748	823
			-128	-53	22	97	173	249	324	400	475	551	627
150	270.00	bu	135	216	297	378	459	540	621	702	783	864	945
			-60	20	101	182	263	344	425	506	587	668	749

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 7.A Estimated costs per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_________
NBPT	pt	18.00	0.8000	14.40	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Regiment	oz	48.18	0.5000	24.09	_________
Facet L	pt	17.36	2.0000	34.72	_________
Permit	oz	23.42	0.6700	15.69	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Rice Conv Hyb Trt	lb	6.31	23.0000	145.13	_________
Rice Seed CvH(Levee)	lb	1.93	4.2500	8.20	_________
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Dyne-A-Pak	pt	4.17	0.5000	2.09	_________
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_________
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_________
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_________
Implements	hour	9.06	0.0375	0.34	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	18.7364	53.59	_________
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_________
Tractors	acre	5.88	1.0000	5.88	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	13.96	1.0000	13.96	_________
INTEREST ON OP. CAP.	acre	30.75	1.0000	30.75	_________
TOTAL DIRECT EXPENSES				1003.68	_________
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	_________
Tractors	acre	45.59	1.0000	45.59	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	92.02	1.0000	92.02	_________
TOTAL FIXED EXPENSES				198.84	_________
TOTAL SPECIFIED EXPENSES				1202.52	_________

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

Table 7.B Summary of estimated costs and returns per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	45.98	1.0000	45.98	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	150.55	1.0000	150.55	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_________
SEED/PLANTS	acre	154.56	1.0000	154.56	_________
ADJUVANTS	acre	10.98	1.0000	10.98	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_________
OPERATOR LABOR	hour	18.69	0.6381	11.94	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	28.5932	81.77	_________
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_________
INTEREST ON OP. CAP.	acre	30.75	1.0000	30.75	_________

TOTAL DIRECT EXPENSES				1003.68	_________
RETURNS ABOVE DIRECT EXPENSES				76.32	_________
TOTAL FIXED EXPENSES				198.84	_________

TOTAL SPECIFIED EXPENSES				1202.52	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-122.52	_________

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

Table 7.C Estimated resource use for field operations, per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Conv Hyb Trt	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CvH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
TOTALS							0.63	0.63	2.82	0.47

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

Table 7.D Estimated costs for field operations, per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Conv Hyb Trt	lb	145.13					5.99	151.12		151.12
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CvH(Levee)	lb	8.20					0.34	8.54		8.54
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		813.55	81.77	36.86	40.75	0.00	30.75	1003.68	198.84	1202.52

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

Table 7.E Estimated monthly income and expense flows per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	154.56	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	10.71	9.97	3.66	1.75	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	270.53	299.73	136.96	86.07	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-270.53	-299.73	-136.96	-86.07	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-308.47	-608.20	-745.16	-831.23	93.55	76.32

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

Table 7.F Estimated returns for various price/yield combinations, per acre
Conventional hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

PRODUCT			PERCENT 75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-534	-507	-480	-453	-426	-399	-372	-345	-318	-291	-264
			-733	-706	-679	-652	-625	-598	-571	-544	-517	-490	-463
60	108.00	bu	-466	-434	-401	-369	-336	-304	-272	-239	-207	-174	-142
			-665	-633	-600	-568	-535	-503	-471	-438	-406	-373	-341
70	126.00	bu	-398	-360	-322	-284	-247	-209	-171	-133	-95	-58	-20
			-597	-559	-521	-483	-446	-408	-370	-332	-294	-257	-219
80	144.00	bu	-330	-286	-243	-200	-157	-114	-70	-27	15	58	101
			-528	-485	-442	-399	-356	-312	-269	-226	-183	-140	-96
90	162.00	bu	-261	-213	-164	-116	-67	-18	29	78	126	175	224
			-460	-412	-363	-314	-266	-217	-169	-120	-71	-23	25
100	180.00	bu	-193	-139	-85	-31	22	76	130	184	238	292	346
			-392	-338	-284	-230	-176	-122	-68	-14	39	93	147
110	198.00	bu	-125	-66	-6	52	112	171	230	290	349	409	468
			-324	-264	-205	-146	-86	-27	32	91	150	210	269
120	216.00	bu	-57	7	72	137	201	266	331	396	461	525	590
			-256	-191	-126	-61	3	67	132	197	262	327	391
130	234.00	bu	11	81	151	221	291	362	432	502	572	642	713
			-187	-117	-47	22	92	163	233	303	373	443	514
140	252.00	bu	79	154	230	306	381	457	532	608	684	759	835
			-119	-44	31	107	182	258	333	409	485	560	636
150	270.00	bu	147	228	309	390	471	552	633	714	795	876	957
			-51	29	110	191	272	353	434	515	596	677	758

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 8.A Estimated costs per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	________
App by Air (3 gal)	appl	7.50	1.3000	9.75	________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	________
DAP	cwt	36.68	0.5000	18.34	________
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	________
NBPT	pt	18.00	0.8000	14.40	________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	________
2,4-D Amine 4	pt	2.23	2.0000	4.46	________
Command 3ME	pt	14.95	1.3000	19.43	________
Sharpen	oz	7.46	3.0000	22.38	________
Regiment	oz	48.18	0.5000	24.09	________
Facet L	pt	17.36	2.0000	34.72	________
Permit	oz	23.42	0.6700	15.69	________
Clincher SF	oz	2.69	7.5000	20.18	________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	________
Warrior II ZT	oz	3.02	0.6000	1.81	________
SEED/PLANTS					
Rice Conv Hyb Trt	lb	6.31	23.0000	145.13	________
Rice Seed CvH(Levee)	lb	1.93	4.2500	8.20	________
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	________
Class Act NG	pt	5.00	0.5000	2.50	________
Dyne-A-Pak	pt	4.17	0.5000	2.09	________
Crop Oil Conc.(Pet.)	pt	2.86	0.4000	1.14	________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	________
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	________
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	________
Harvesters	hour	18.69	0.1100	2.06	________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	________
Implements	hour	9.06	0.0785	0.71	________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	________
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	________
Harvesters	gal	2.86	2.4063	6.88	________
Flood Irr.	gal	2.86	15.4779	44.27	________
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	________
Tractors	acre	5.17	1.0000	5.17	________
Harvesters	acre	6.44	1.0000	6.44	________
Flood Irr.	acre	11.80	1.0000	11.80	________
INTEREST ON OP. CAP.	acre	29.74	1.0000	29.74	________

TOTAL DIRECT EXPENSES				974.47	________
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	________
Tractors	acre	40.06	1.0000	40.06	________
Harvesters	acre	30.83	1.0000	30.83	________
Flood Irr.	acre	91.67	1.0000	91.67	________

TOTAL FIXED EXPENSES				191.10	________

TOTAL SPECIFIED EXPENSES				1165.57	________

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

Table 8.B Summary of estimated costs and returns per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	45.98	1.0000	45.98	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	150.55	1.0000	150.55	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	154.56	1.0000	154.56	_________
ADJUVANTS	acre	10.98	1.0000	10.98	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_________
OPERATOR LABOR	hour	18.69	0.5328	9.97	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	24.4137	69.82	_________
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_________
INTEREST ON OP. CAP.	acre	29.74	1.0000	29.74	_________

TOTAL DIRECT EXPENSES				974.47	_________
RETURNS ABOVE DIRECT EXPENSES				105.53	_________
TOTAL FIXED EXPENSES				191.10	_________

TOTAL SPECIFIED EXPENSES				1165.57	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-85.57	_________

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

Table 8.C Estimated resource use for field operations, per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Conv Hyb Trt	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CvH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App by Air (5 gal)	appl			1.00	May	1.0000				
Regiment	oz					0.5000				
Dyne-A-Pak	pt					0.5000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Permit	oz					0.6700				
Crop Oil Conc.(Pet.)	pt					0.4000				
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
TOTALS							0.53	0.53	2.61	0.47

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

Table 8.D Estimated costs for field operations, per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Conv Hyb Trt	lb	145.13					5.99	151.12		151.12
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CvH(Levee)	lb	8.20					0.34	8.54		8.54
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Regiment	oz	24.09					0.83	24.92		24.92
Dyne-A-Pak	pt	2.09					0.07	2.16		2.16
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Permit	oz	15.69					0.54	16.23		16.23
Crop Oil Conc.(Pet.)	pt	1.14					0.04	1.18		1.18
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		803.38	69.82	33.74	37.79	0.00	29.74	974.47	191.10	1165.57

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

Table 8.E Estimated monthly income and expense flows per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	8.05	16.10	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	74.50	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	154.56	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	4.25	3.23	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	9.94	9.89	3.59	1.70	2.07	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	251.04	297.23	134.47	83.60	152.96	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-251.04	-297.23	-134.47	-83.60	927.04	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-288.98	-586.21	-720.68	-804.28	122.76	105.53

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

Table 8.F Estimated returns for various price/yield combinations, per acre
Conventional hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-505	-478	-451	-424	-397	-370	-343	-316	-289	-262	-235
			-696	-669	-642	-615	-588	-561	-534	-507	-480	-453	-426
60	108.00	bu	-437	-404	-372	-340	-307	-275	-242	-210	-178	-145	-113
			-628	-596	-563	-531	-498	-466	-434	-401	-369	-336	-304
70	126.00	bu	-369	-331	-293	-255	-217	-180	-142	-104	-66	-28	8
			-560	-522	-484	-446	-409	-371	-333	-295	-257	-220	-182
80	144.00	bu	-300	-257	-214	-171	-128	-84	-41	1	44	87	131
			-492	-448	-405	-362	-319	-276	-232	-189	-146	-103	-60
90	162.00	bu	-232	-184	-135	-86	-38	10	58	107	156	204	253
			-423	-375	-326	-277	-229	-180	-132	-83	-34	13	62
100	180.00	bu	-164	-110	-56	-2	51	105	159	213	267	321	375
			-355	-301	-247	-193	-139	-85	-31	22	76	130	184
110	198.00	bu	-96	-36	22	81	141	200	260	319	378	438	497
			-287	-227	-168	-109	-49	9	69	128	187	247	306
120	216.00	bu	-28	36	101	166	231	295	360	425	490	555	619
			-219	-154	-89	-24	40	104	169	234	299	364	428
130	234.00	bu	40	110	180	250	321	391	461	531	601	672	742
			-150	-80	-10	59	129	200	270	340	410	480	551
140	252.00	bu	108	184	259	335	410	486	562	637	713	788	864
			-82	-7	68	144	219	295	370	446	522	597	673
150	270.00	bu	176	257	338	419	500	581	662	743	824	905	986
			-14	66	147	228	309	390	471	552	633	714	795

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 9.A Estimated costs per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	
App by Air (10 gal)	appl	9.50	1.0000	9.50	
App by Air (3 gal)	appl	7.50	1.3000	9.75	
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	
DAP	cwt	36.68	0.5000	18.34	
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	
NBPT	pt	18.00	0.7500	13.50	
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	
2,4-D Amine 4	pt	2.23	2.0000	4.46	
Command 3ME	pt	14.95	1.3000	19.43	
Sharpen	oz	7.46	3.0000	22.38	
Clearpath	oz	4.46	9.6000	42.82	
Newpath	oz	4.50	6.0000	27.00	
Aim	oz	7.34	1.5000	11.01	
Clincher SF	oz	2.69	7.5000	20.18	
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	
Warrior II ZT	oz	3.02	0.6000	1.81	
SEED/PLANTS					
Rice Seed Clearfield	lb	1.28	65.0000	83.20	
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	
Rice Seed CF(Levees)	lb	1.30	12.0000	15.60	
ADJUVANTS					
Class Act NG	pt	5.00	0.5000	2.50	
MSO	pt	3.50	1.5000	5.25	
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	
Surfactant	pt	3.30	0.1000	0.33	
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	
Harvesters	hour	18.69	0.1269	2.37	
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	
Implements	hour	9.06	0.0785	0.71	
RICE MGT. LABOR					
Special Labor	hour	9.06	1.5000	13.59	
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	
DIESEL FUEL					
Tractors	gal	2.86	7.6209	21.78	
Harvesters	gal	2.86	2.7765	7.94	
Flood Irr.	gal	2.86	26.8827	76.89	
REPAIR & MAINTENANCE					
Implements	acre	10.95	1.0000	10.95	
Tractors	acre	6.02	1.0000	6.02	
Harvesters	acre	7.43	1.0000	7.43	
Flood Irr.	acre	14.31	1.0000	14.31	
INTEREST ON OP. CAP.	acre	31.95	1.0000	31.95	
TOTAL DIRECT EXPENSES				1052.44	
FIXED EXPENSES					
Implements	acre	30.81	1.0000	30.81	
Tractors	acre	46.61	1.0000	46.61	
Harvesters	acre	35.58	1.0000	35.58	
Flood Irr.	acre	59.44	1.0000	59.44	
TOTAL FIXED EXPENSES				172.44	
TOTAL SPECIFIED EXPENSES				1224.88	

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

Table 9.B Summary of estimated costs and returns per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_________

TOTAL INCOME				960.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	156.88	1.0000	156.88	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	121.13	1.0000	121.13	_________
ADJUVANTS	acre	19.52	1.0000	19.52	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	48.00	1.0000	48.00	_________
DRYING	acre	64.00	1.0000	64.00	_________
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_________
OPERATOR LABOR	hour	18.69	0.6745	12.60	_________
RICE MGT. LABOR	hour	9.06	1.5000	13.59	_________
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_________
DIESEL FUEL	gal	2.86	37.2802	106.61	_________
REPAIR & MAINTENANCE	acre	38.71	1.0000	38.71	_________
INTEREST ON OP. CAP.	acre	31.95	1.0000	31.95	_________

TOTAL DIRECT EXPENSES				1052.44	_________
RETURNS ABOVE DIRECT EXPENSES				-92.44	_________
TOTAL FIXED EXPENSES				172.44	_________

TOTAL SPECIFIED EXPENSES				1224.88	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-264.88	_________

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

Table 9.C Estimated resource use for field operations, per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Clearfield	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
Class Act NG	pt					0.5000				
MSO	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CF(Levees)	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Clearpath	oz					9.6000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Newpath	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.30	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.50	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.50	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (CL)	40' Rigid	425 hp	0.126	1.00	Aug		0.12	0.12	0.12	0.11
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
							-------	-------	-------	-------
TOTALS							0.67	0.67	6.02	0.49

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

Table 9.D Estimated costs for field operations, per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Clearfield	lb	83.20					3.43	86.63		86.63
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
Class Act NG	pt	2.50					0.10	2.60		2.60
MSO	pt	1.75					0.07	1.82		1.82
Seed Levees										
Rice Seed CF(Levees)	lb	15.60					0.64	16.24		16.24
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Clearpath	oz	42.82					1.77	44.59		44.59
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Newpath	oz	27.00					0.93	27.93		27.93
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				2.72		0.09	2.81		2.81
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				4.53		0.12	4.65		4.65
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				4.53		0.09	4.62		4.62
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (CL)	40' Rigid		7.94	10.20	4.50		0.31	22.95	41.05	64.00
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		804.79	106.61	38.71	70.38	0.00	31.95	1052.44	172.44	1224.88

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

Table 9.E Estimated monthly income and expense flows per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	88.47	38.01	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	121.13	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	9.52	11.33	11.33	10.74	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	9.57	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	10.88	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.78	8.79	4.07	2.80	1.96	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	297.57	264.30	152.26	137.99	145.15	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-297.57	-264.30	-152.26	-137.99	814.85	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-335.51	-599.81	-752.07	-890.06	-75.21	-92.44

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

Table 9.F Estimated returns for various price/yield combinations, per acre
Clearfield contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PERCENT										
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-635	-611	-587	-563	-539	-515	-491	-467	-443	-419	-395
			-808	-784	-760	-736	-712	-688	-664	-640	-616	-592	-568
60	96.00	bu	-575	-546	-517	-488	-459	-431	-402	-373	-344	-315	-287
			-747	-718	-689	-661	-632	-603	-574	-545	-517	-488	-459
70	112.00	bu	-514	-480	-447	-413	-379	-346	-312	-279	-245	-211	-178
			-686	-653	-619	-586	-552	-518	-485	-451	-418	-384	-350
80	128.00	bu	-453	-415	-376	-338	-300	-261	-223	-184	-146	-108	-69
			-626	-587	-549	-510	-472	-434	-395	-357	-318	-280	-242
90	144.00	bu	-393	-349	-306	-263	-220	-177	-133	-90	-47	-4	38
			-565	-522	-479	-435	-392	-349	-306	-263	-219	-176	-133
100	160.00	bu	-332	-284	-236	-188	-140	-92	-44	3	51	99	147
			-504	-456	-408	-360	-312	-264	-216	-168	-120	-72	-24
110	176.00	bu	-271	-218	-166	-113	-60	-7	45	97	150	203	256
			-444	-391	-338	-285	-233	-180	-127	-74	-21	30	83
120	192.00	bu	-211	-153	-95	-38	19	76	134	192	249	307	364
			-383	-325	-268	-210	-153	-95	-37	19	77	134	192
130	208.00	bu	-150	-88	-25	36	99	161	223	286	348	411	473
			-322	-260	-198	-135	-73	-10	51	113	176	238	301
140	224.00	bu	-89	-22	44	111	178	246	313	380	447	514	582
			-262	-195	-127	-60	6	73	140	208	275	342	409
150	240.00	bu	-29	42	114	186	258	330	402	474	546	618	690
			-201	-129	-57	14	86	158	230	302	374	446	518

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 10.A Estimated costs per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_________
App by Air (10 gal)	appl	9.50	1.0000	9.50	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_________
NBPT	pt	18.00	0.7500	13.50	_________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Clearpath	oz	4.46	9.6000	42.82	_________
Newpath	oz	4.50	6.0000	27.00	_________
Aim	oz	7.34	1.5000	11.01	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
SEED/PLANTS					
Rice Seed Clearfield	lb	1.28	65.0000	83.20	_________
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_________
Rice Seed CF(Levees)	lb	1.30	12.0000	15.60	_________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_________
Surfactant	pt	3.30	0.1000	0.33	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_________
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_________
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	21.9949	62.91	_________
REPAIR & MAINTENANCE					
Implements	acre	10.48	1.0000	10.48	_________
Tractors	acre	5.70	1.0000	5.70	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	14.31	1.0000	14.31	_________
INTEREST ON OP. CAP.	acre	30.85	1.0000	30.85	_________
TOTAL DIRECT EXPENSES				1011.93	_________
FIXED EXPENSES					
Implements	acre	29.38	1.0000	29.38	_________
Tractors	acre	44.11	1.0000	44.11	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	92.37	1.0000	92.37	_________
TOTAL FIXED EXPENSES				196.69	_________
TOTAL SPECIFIED EXPENSES				1208.62	_________

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

Table 10.B Summary of estimated costs and returns per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_________

TOTAL INCOME				960.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	156.88	1.0000	156.88	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	121.13	1.0000	121.13	_________
ADJUVANTS	acre	19.52	1.0000	19.52	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	48.00	1.0000	48.00	_________
DRYING	acre	64.00	1.0000	64.00	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_________
OPERATOR LABOR	hour	18.69	0.6099	11.41	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	31.6056	90.39	_________
REPAIR & MAINTENANCE	acre	36.93	1.0000	36.93	_________
INTEREST ON OP. CAP.	acre	30.85	1.0000	30.85	_________

TOTAL DIRECT EXPENSES				1011.93	_________
RETURNS ABOVE DIRECT EXPENSES				-51.93	_________
TOTAL FIXED EXPENSES				196.69	_________

TOTAL SPECIFIED EXPENSES				1208.62	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-248.62	_________

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

Table 10.C Estimated resource use for field operations, per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Clearfield	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CF(Levees)	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Clearpath	oz					9.6000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Newpath	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
							-------	-------	-------	-------
TOTALS							0.60	0.60	4.01	0.47

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

Table 10.D Estimated costs for field operations, per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST: OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Clearfield	lb	83.20					3.43	86.63		86.63
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CF(Levees)	lb	15.60					0.64	16.24		16.24
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Clearpath	oz	42.82					1.77	44.59		44.59
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Newpath	oz	27.00					0.93	27.93		27.93
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		802.54	90.39	36.93	51.22	0.00	30.85	1011.93	196.69	1208.62

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

Table 10.E Estimated monthly income and expense flows per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	88.47	38.01	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	121.13	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	9.77	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	8.00	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	9.35	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.49	8.50	3.80	2.60	1.91	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	290.31	255.16	142.23	128.03	141.03	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-290.31	-255.16	-142.23	-128.03	818.97	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-328.25	-583.41	-725.64	-853.67	-34.70	-51.93

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

Table 10.F Estimated returns for various price/yield combinations, per acre
Clearfield straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-595	-571	-547	-523	-499	-475	-451	-427	-403	-379	-355
			-791	-767	-743	-719	-695	-671	-647	-623	-599	-575	-551
60	96.00	bu	-534	-505	-476	-448	-419	-390	-361	-332	-304	-275	-246
			-731	-702	-673	-644	-616	-587	-558	-529	-500	-472	-443
70	112.00	bu	-473	-440	-406	-373	-339	-305	-272	-238	-205	-171	-137
			-670	-636	-603	-569	-536	-502	-468	-435	-401	-368	-334
80	128.00	bu	-413	-374	-336	-298	-259	-221	-182	-144	-106	-67	-29
			-609	-571	-533	-494	-456	-417	-379	-341	-302	-264	-225
90	144.00	bu	-352	-309	-266	-222	-179	-136	-93	-50	-6	36	79
			-549	-506	-462	-419	-376	-333	-290	-246	-203	-160	-117
100	160.00	bu	-291	-243	-195	-147	-99	-51	-3	44	92	140	188
			-488	-440	-392	-344	-296	-248	-200	-152	-104	-56	-8
110	176.00	bu	-231	-178	-125	-72	-20	32	85	138	191	243	296
			-427	-375	-322	-269	-216	-163	-111	-58	-5	47	100
120	192.00	bu	-170	-113	-55	2	59	117	174	232	290	347	405
			-367	-309	-252	-194	-136	-79	-21	35	93	151	208
130	208.00	bu	-109	-47	14	77	139	202	264	326	389	451	514
			-306	-244	-181	-119	-57	5	67	130	192	254	317
140	224.00	bu	-49	17	85	152	219	286	353	421	488	555	622
			-246	-178	-111	-44	22	89	157	224	291	358	425
150	240.00	bu	11	83	155	227	299	371	443	515	587	659	731
			-185	-113	-41	30	102	174	246	318	390	462	534

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 11.A Estimated costs per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	________
App by Air (10 gal)	appl	9.50	1.0000	9.50	________
App by Air (3 gal)	appl	7.50	1.3000	9.75	________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	________
DAP	cwt	36.68	0.5000	18.34	________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	________
NBPT	pt	18.00	0.7500	13.50	________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	________
2,4-D Amine 4	pt	2.23	2.0000	4.46	________
Command 3ME	pt	14.95	1.3000	19.43	________
Sharpen	oz	7.46	3.0000	22.38	________
Clearpath	oz	4.46	9.6000	42.82	________
Newpath	oz	4.50	6.0000	27.00	________
Aim	oz	7.34	1.5000	11.01	________
Clincher SF	oz	2.69	7.5000	20.18	________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	________
Warrior II ZT	oz	3.02	0.6000	1.81	________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	________
SEED/PLANTS					
Rice Seed Clearfield	lb	1.28	65.0000	83.20	________
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	________
Rice Seed CF(Levees)	lb	1.30	12.0000	15.60	________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	________
Class Act NG	pt	5.00	0.5000	2.50	________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	________
Surfactant	pt	3.30	0.1000	0.33	________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	________
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	________
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	________
Harvesters	hour	18.69	0.1100	2.06	________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	________
Implements	hour	9.06	0.0375	0.34	________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	________
Implements	hour	9.06	0.0785	0.71	________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	________
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	________
Harvesters	gal	2.86	2.4063	6.88	________
Flood Irr.	gal	2.86	18.7364	53.59	________
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	________
Tractors	acre	5.88	1.0000	5.88	________
Harvesters	acre	6.44	1.0000	6.44	________
Flood Irr.	acre	13.96	1.0000	13.96	________
INTEREST ON OP. CAP.	acre	30.60	1.0000	30.60	________
TOTAL DIRECT EXPENSES				1000.44	________
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	________
Tractors	acre	45.59	1.0000	45.59	________
Harvesters	acre	30.83	1.0000	30.83	________
Flood Irr.	acre	92.02	1.0000	92.02	________
TOTAL FIXED EXPENSES				198.84	________
TOTAL SPECIFIED EXPENSES				1199.28	________

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

Table 11.B Summary of estimated costs and returns per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_________

TOTAL INCOME				960.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	156.88	1.0000	156.88	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_________
SEED/PLANTS	acre	121.13	1.0000	121.13	_________
ADJUVANTS	acre	19.52	1.0000	19.52	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	48.00	1.0000	48.00	_________
DRYING	acre	64.00	1.0000	64.00	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_________
OPERATOR LABOR	hour	18.69	0.6381	11.94	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	28.5932	81.77	_________
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_________
INTEREST ON OP. CAP.	acre	30.60	1.0000	30.60	_________

TOTAL DIRECT EXPENSES				1000.44	_________
RETURNS ABOVE DIRECT EXPENSES				-40.44	_________
TOTAL FIXED EXPENSES				198.84	_________

TOTAL SPECIFIED EXPENSES				1199.28	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-239.28	_________

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

Table 11.C Estimated resource use for field operations, per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Clearfield	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CF(Levees)	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Clearpath	oz					9.6000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Newpath	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
TOTALS							0.63	0.63	2.82	0.47

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

Table 11.D Estimated costs for field operations, per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Clearfield	lb	83.20					3.43	86.63		86.63
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CF(Levees)	lb	15.60					0.64	16.24		16.24
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Clearpath	oz	42.82					1.77	44.59		44.59
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Newpath	oz	27.00					0.93	27.93		27.93
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		810.46	81.77	36.86	40.75	0.00	30.60	1000.44	198.84	1199.28

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

Table 11.E Estimated monthly income and expense flows per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	88.47	38.01	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	121.13	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.66	8.31	3.66	2.50	1.92	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	294.64	249.84	136.96	122.80	141.03	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-294.64	-249.84	-136.96	-122.80	818.97	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-332.58	-582.42	-719.38	-842.18	-23.21	-40.44

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

Table 11.F Estimated returns for various price/yield combinations, per acre
Clearfield straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-583	-559	-535	-511	-487	-463	-439	-415	-391	-367	-343
			-782	-758	-734	-710	-686	-662	-638	-614	-590	-566	-542
60	96.00	bu	-523	-494	-465	-436	-407	-379	-350	-321	-292	-263	-235
			-721	-693	-664	-635	-606	-577	-549	-520	-491	-462	-433
70	112.00	bu	-462	-428	-395	-361	-327	-294	-260	-227	-193	-159	-126
			-661	-627	-594	-560	-526	-493	-459	-426	-392	-358	-325
80	128.00	bu	-401	-363	-324	-286	-248	-209	-171	-132	-94	-56	-17
			-600	-562	-523	-485	-446	-408	-370	-331	-293	-254	-216
90	144.00	bu	-341	-297	-254	-211	-168	-125	-81	-38	4	47	90
			-539	-496	-453	-410	-367	-323	-280	-237	-194	-151	-107
100	160.00	bu	-280	-232	-184	-136	-88	-40	7	55	103	151	199
			-479	-431	-383	-335	-287	-239	-191	-143	-95	-47	0
110	176.00	bu	-219	-166	-114	-61	-8	44	97	149	202	255	308
			-418	-365	-313	-260	-207	-154	-101	-49	3	56	109
120	192.00	bu	-159	-101	-43	13	71	128	186	244	301	359	416
			-357	-300	-242	-185	-127	-69	-12	45	102	160	218
130	208.00	bu	-98	-36	26	88	151	213	275	338	400	463	525
			-297	-234	-172	-110	-47	14	77	139	201	264	326
140	224.00	bu	-37	29	96	163	230	298	365	432	499	566	634
			-236	-169	-102	-35	32	99	166	233	300	368	435
150	240.00	bu	22	94	166	238	310	382	454	526	598	670	742
			-176	-104	-32	39	111	183	255	327	399	471	543

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 12.A Estimated costs per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_________
App by Air (10 gal)	appl	9.50	1.0000	9.50	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_________
NBPT	pt	18.00	0.7500	13.50	_________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Clearpath	oz	4.46	9.6000	42.82	_________
Newpath	oz	4.50	6.0000	27.00	_________
Aim	oz	7.34	1.5000	11.01	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
SEED/PLANTS					
Rice Seed Clearfield	lb	1.28	65.0000	83.20	_________
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_________
Rice Seed CF(Levees)	lb	1.30	12.0000	15.60	_________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_________
Surfactant	pt	3.30	0.1000	0.33	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_________
HAULING					
Haul Rice	bu	0.30	160.0000	48.00	_________
DRYING					
Dry Rice	bu	0.40	160.0000	64.00	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	15.4779	44.27	_________
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	_________
Tractors	acre	5.17	1.0000	5.17	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	11.80	1.0000	11.80	_________
INTEREST ON OP. CAP.	acre	29.59	1.0000	29.59	_________

TOTAL DIRECT EXPENSES				971.23	_________
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	_________
Tractors	acre	40.06	1.0000	40.06	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	91.67	1.0000	91.67	_________

TOTAL FIXED EXPENSES				191.10	_________

TOTAL SPECIFIED EXPENSES				1162.33	_________

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

Table 12.B Summary of estimated costs and returns per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	160.0000	960.00	_________

TOTAL INCOME				960.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	156.88	1.0000	156.88	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	121.13	1.0000	121.13	_________
ADJUVANTS	acre	19.52	1.0000	19.52	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	48.00	1.0000	48.00	_________
DRYING	acre	64.00	1.0000	64.00	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_________
OPERATOR LABOR	hour	18.69	0.5328	9.97	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	24.4137	69.82	_________
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_________
INTEREST ON OP. CAP.	acre	29.59	1.0000	29.59	_________

TOTAL DIRECT EXPENSES				971.23	_________
RETURNS ABOVE DIRECT EXPENSES				-11.23	_________
TOTAL FIXED EXPENSES				191.10	_________

TOTAL SPECIFIED EXPENSES				1162.33	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-202.33	_________

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

Table 12.C Estimated resource use for field operations, per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Clearfield	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed CF(Levees)	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Clearpath	oz					9.6000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Newpath	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	160.0000				
Dry Rice	bu			1.00	Aug	160.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
TOTALS							0.53	0.53	2.61	0.47

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

Table 12.D Estimated costs for field operations, per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Clearfield	lb	83.20					3.43	86.63		86.63
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed CF(Levees)	lb	15.60					0.64	16.24		16.24
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Clearpath	oz	42.82					1.77	44.59		44.59
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Newpath	oz	27.00					0.93	27.93		27.93
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	48.00					0.66	48.66		48.66
Dry Rice	bu	64.00					0.88	64.88		64.88
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		800.29	69.82	33.74	37.79	0.00	29.59	971.23	191.10	1162.33

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

Table 12.E Estimated monthly income and expense flows per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	88.47	38.01	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	121.13	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	10.89	8.23	3.59	2.45	1.88	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	275.15	247.34	134.47	120.33	138.77	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-275.15	-247.34	-134.47	-120.33	821.23	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-313.09	-560.43	-694.90	-815.23	6.00	-11.23

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

Table 12.F Estimated returns for various price/yield combinations, per acre
Clearfield straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	80.00	bu	-554	-530	-506	-482	-458	-434	-410	-386	-362	-338	-314
			-745	-721	-697	-673	-649	-625	-601	-577	-553	-529	-505
60	96.00	bu	-493	-465	-436	-407	-378	-349	-321	-292	-263	-234	-205
			-684	-656	-627	-598	-569	-540	-512	-483	-454	-425	-396
70	112.00	bu	-433	-399	-365	-332	-298	-265	-231	-197	-164	-130	-97
			-624	-590	-557	-523	-489	-456	-422	-389	-355	-321	-288
80	128.00	bu	-372	-334	-295	-257	-218	-180	-142	-103	-65	-26	11
			-563	-525	-486	-448	-410	-371	-333	-294	-256	-218	-179
90	144.00	bu	-311	-268	-225	-182	-139	-95	-52	-9	33	76	120
			-502	-459	-416	-373	-330	-286	-243	-200	-157	-114	-70
100	160.00	bu	-251	-203	-155	-107	-59	-11	36	84	132	180	228
			-442	-394	-346	-298	-250	-202	-154	-106	-58	-10	37
110	176.00	bu	-190	-137	-84	-32	20	73	126	179	231	284	337
			-381	-328	-276	-223	-170	-117	-64	-12	40	93	146
120	192.00	bu	-129	-72	-14	42	100	158	215	273	330	388	446
			-321	-263	-205	-148	-90	-33	24	82	139	197	254
130	208.00	bu	-69	-6	55	117	180	242	305	367	429	492	554
			-260	-197	-135	-73	-10	51	114	176	238	301	363
140	224.00	bu	-8	58	125	192	260	327	394	461	528	596	663
			-199	-132	-65	1	69	136	203	270	337	405	472
150	240.00	bu	52	124	196	268	340	412	484	556	628	700	772
			-139	-67	4	76	148	220	292	364	436	508	580

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 13.A Estimated costs per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_________
App by Air (10 gal)	appl	9.50	1.0000	9.50	_________
App by Air (3 gal)	appl	7.50	2.1000	15.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_________
NBPT	pt	18.00	0.8000	14.40	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Preface	oz	0.55	11.0000	6.05	_________
Facet L	pt	17.36	2.0000	34.72	_________
Aim	oz	7.34	1.5000	11.01	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	14.4000	17.14	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
SEED/PLANTS					
Rice Fullpage Hyb Tr	lb	6.34	23.0000	145.82	_________
Rice Seed FPH(Levee)	lb	6.34	4.2500	26.95	_________
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_________
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_________
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	7.6209	21.78	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	26.8827	76.89	_________
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_________
Tractors	acre	6.02	1.0000	6.02	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	14.31	1.0000	14.31	_________
INTEREST ON OP. CAP.	acre	32.86	1.0000	32.86	_________
TOTAL DIRECT EXPENSES				1066.18	_________
FIXED EXPENSES					
Implements	acre	30.08	1.0000	30.08	_________
Tractors	acre	46.61	1.0000	46.61	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	59.44	1.0000	59.44	_________
TOTAL FIXED EXPENSES				166.96	_________
TOTAL SPECIFIED EXPENSES				1233.14	_________

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

Table 13.B Summary of estimated costs and returns per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	53.43	1.0000	53.43	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	127.83	1.0000	127.83	_________
INSECTICIDES	acre	18.95	1.0000	18.95	_________
SEED/PLANTS	acre	174.00	1.0000	174.00	_________
ADJUVANTS	acre	19.19	1.0000	19.19	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_________
OPERATOR LABOR	hour	18.69	0.6575	12.29	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	36.9100	105.55	_________
REPAIR & MAINTENANCE	acre	37.35	1.0000	37.35	_________
INTEREST ON OP. CAP.	acre	32.86	1.0000	32.86	_________

TOTAL DIRECT EXPENSES				1066.18	_________
RETURNS ABOVE DIRECT EXPENSES				13.82	_________
TOTAL FIXED EXPENSES				166.96	_________

TOTAL SPECIFIED EXPENSES				1233.14	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-153.14	_________

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

Table 13.C Estimated resource use for field operations, per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Fullpage Hyb Tr	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed FPH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Preface	oz					5.0000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.80	Jul	1.8000				
Tenchu SG	oz					14.4000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.65	0.65	5.21	0.47

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

Table 13.D Estimated costs for field operations, per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Fullpage Hyb Tr	lb	145.82					6.02	151.84		151.84
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed FPH(Levee)	lb	26.95					1.11	28.06		28.06
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Preface	oz	2.75					0.11	2.86		2.86
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	13.50					0.28	13.78		13.78
Tenchu SG	oz	17.14					0.35	17.49		17.49
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		827.88	105.55	37.35	62.54	0.00	32.86	1066.18	166.96	1233.14

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

Table 13.E Estimated monthly income and expense flows per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	15.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	83.12	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.95	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	174.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	7.71	8.61	8.61	10.15	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	8.51	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	9.52	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	13.74	8.18	4.00	2.28	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	347.05	245.81	149.47	112.39	156.29	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-347.05	-245.81	-149.47	-112.39	923.71	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-384.99	-630.80	-780.27	-892.66	31.05	13.82

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

Table 13.F Estimated returns for various price/yield combinations, per acre
Fullpage hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-597	-570	-543	-516	-489	-462	-435	-408	-381	-354	-327
			-764	-737	-710	-683	-656	-629	-602	-575	-548	-521	-494
60	108.00	bu	-529	-496	-464	-431	-399	-367	-334	-302	-269	-237	-205
			-696	-663	-631	-598	-566	-534	-501	-469	-436	-404	-372
70	126.00	bu	-460	-423	-385	-347	-309	-271	-234	-196	-158	-120	-82
			-627	-590	-552	-514	-476	-438	-401	-363	-325	-287	-249
80	144.00	bu	-392	-349	-306	-263	-219	-176	-133	-90	-47	-3	39
			-559	-516	-473	-429	-386	-343	-300	-257	-213	-170	-127
90	162.00	bu	-324	-275	-227	-178	-130	-81	-32	15	64	112	161
			-491	-442	-394	-345	-296	-248	-199	-151	-102	-53	-5
100	180.00	bu	-256	-202	-148	-94	-40	13	67	121	175	229	283
			-423	-369	-315	-261	-207	-153	-99	-45	8	62	116
110	198.00	bu	-187	-128	-69	-9	49	109	168	227	287	346	406
			-354	-295	-236	-176	-117	-57	1	60	120	179	239
120	216.00	bu	-119	-54	9	74	139	204	269	333	398	463	528
			-286	-221	-157	-92	-27	37	102	166	231	296	361
130	234.00	bu	-51	18	88	159	229	299	369	439	510	580	650
			-218	-148	-78	-7	62	132	202	272	343	413	483
140	252.00	bu	16	92	167	243	319	394	470	545	621	697	772
			-150	-74	0	76	152	227	303	378	454	530	605
150	270.00	bu	84	165	246	327	408	489	570	651	732	813	894
			-82	-1	79	160	241	322	403	484	565	646	727

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 14.A Estimated costs per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_________
App by Air (10 gal)	appl	9.50	1.0000	9.50	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_________
NBPT	pt	18.00	0.8000	14.40	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Preface	oz	0.55	11.0000	6.05	_________
Facet L	pt	17.36	2.0000	34.72	_________
Aim	oz	7.34	1.5000	11.01	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
SEED/PLANTS					
Rice Fullpage Hyb Tr	lb	6.34	23.0000	145.82	_________
Rice Seed FPH(Levee)	lb	6.34	4.2500	26.95	_________
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_________
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_________
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	21.9949	62.91	_________
REPAIR & MAINTENANCE					
Implements	acre	10.48	1.0000	10.48	_________
Tractors	acre	5.70	1.0000	5.70	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	14.31	1.0000	14.31	_________
INTEREST ON OP. CAP.	acre	31.70	1.0000	31.70	_________

TOTAL DIRECT EXPENSES				1022.25	_________
FIXED EXPENSES					
Implements	acre	29.38	1.0000	29.38	_________
Tractors	acre	44.11	1.0000	44.11	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	92.37	1.0000	92.37	_________

TOTAL FIXED EXPENSES				196.69	_________

TOTAL SPECIFIED EXPENSES				1218.94	_________

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

Table 14.B Summary of estimated costs and returns per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	127.83	1.0000	127.83	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	174.00	1.0000	174.00	_________
ADJUVANTS	acre	19.19	1.0000	19.19	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_________
OPERATOR LABOR	hour	18.69	0.6099	11.41	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	31.6056	90.39	_________
REPAIR & MAINTENANCE	acre	36.93	1.0000	36.93	_________
INTEREST ON OP. CAP.	acre	31.70	1.0000	31.70	_________

TOTAL DIRECT EXPENSES				1022.25	_________
RETURNS ABOVE DIRECT EXPENSES				57.75	_________
TOTAL FIXED EXPENSES				196.69	_________

TOTAL SPECIFIED EXPENSES				1218.94	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-138.94	_________

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

Table 14.C Estimated resource use for field operations, per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours			------------
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Fullpage Hyb Tr	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed FPH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Preface	oz					5.0000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
							-------	-------	-------	-------
TOTALS							0.60	0.60	4.01	0.47

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

Table 14.D Estimated costs for field operations, per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST: OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Fullpage Hyb Tr	lb	145.82					6.02	151.84		151.84
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed FPH(Levee)	lb	26.95					1.11	28.06		28.06
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Preface	oz	2.75					0.11	2.86		2.86
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		812.01	90.39	36.93	51.22	0.00	31.70	1022.25	196.69	1218.94

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

Table 14.E Estimated monthly income and expense flows per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	83.12	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	174.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	9.77	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	8.00	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	9.35	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	13.45	7.95	3.80	1.85	2.10	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	339.79	238.54	142.23	91.30	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-339.79	-238.54	-142.23	-91.30	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-377.73	-616.27	-758.50	-849.80	74.98	57.75

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

Table 14.F Estimated returns for various price/yield combinations, per acre
Fullpage hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-553	-526	-499	-472	-445	-418	-391	-364	-337	-310	-283
			-750	-723	-696	-669	-642	-615	-588	-561	-534	-507	-480
60	108.00	bu	-485	-452	-420	-387	-355	-323	-290	-258	-225	-193	-161
			-681	-649	-617	-584	-552	-519	-487	-455	-422	-390	-357
70	126.00	bu	-416	-379	-341	-303	-265	-227	-190	-152	-114	-76	-38
			-613	-575	-538	-500	-462	-424	-386	-349	-311	-273	-235
80	144.00	bu	-348	-305	-262	-219	-175	-132	-89	-46	-3	40	83
			-545	-502	-458	-415	-372	-329	-286	-242	-199	-156	-113
90	162.00	bu	-280	-231	-183	-134	-86	-37	11	59	108	156	205
			-477	-428	-379	-331	-282	-234	-185	-136	-88	-39	8
100	180.00	bu	-212	-158	-104	-50	3	57	111	165	219	273	327
			-408	-354	-300	-246	-192	-138	-84	-30	23	77	131
110	198.00	bu	-144	-84	-25	34	93	152	212	271	331	390	449
			-340	-281	-221	-162	-103	-43	15	75	134	193	253
120	216.00	bu	-75	-10	53	118	183	248	313	377	442	507	572
			-272	-207	-142	-78	-13	51	116	181	245	310	375
130	234.00	bu	-7	62	132	203	273	343	413	483	554	624	694
			-204	-134	-63	6	76	146	216	287	357	427	497
140	252.00	bu	60	136	211	287	363	438	514	589	665	741	816
			-136	-60	15	90	166	241	317	393	468	544	619
150	270.00	bu	128	209	290	371	452	533	614	695	776	857	938
			-67	13	94	175	256	337	418	499	580	661	742

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 15.A Estimated costs per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_________
App by Air (10 gal)	appl	9.50	1.0000	9.50	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_________
NBPT	pt	18.00	0.8000	14.40	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Preface	oz	0.55	11.0000	6.05	_________
Facet L	pt	17.36	2.0000	34.72	_________
Aim	oz	7.34	1.5000	11.01	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Rice Fullpage Hyb Tr	lb	6.34	23.0000	145.82	_________
Rice Seed FPH(Levee)	lb	6.34	4.2500	26.95	_________
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_________
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_________
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_________
Implements	hour	9.06	0.0375	0.34	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	18.7364	53.59	_________
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_________
Tractors	acre	5.88	1.0000	5.88	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	13.96	1.0000	13.96	_________
INTEREST ON OP. CAP.	acre	31.45	1.0000	31.45	_________
TOTAL DIRECT EXPENSES				1010.76	_________
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	_________
Tractors	acre	45.59	1.0000	45.59	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	92.02	1.0000	92.02	_________
TOTAL FIXED EXPENSES				198.84	_________
TOTAL SPECIFIED EXPENSES				1209.60	_________

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

Table 15.B Summary of estimated costs and returns per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________
TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	127.83	1.0000	127.83	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_________
SEED/PLANTS	acre	174.00	1.0000	174.00	_________
ADJUVANTS	acre	19.19	1.0000	19.19	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_________
OPERATOR LABOR	hour	18.69	0.6381	11.94	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	28.5932	81.77	_________
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_________
INTEREST ON OP. CAP.	acre	31.45	1.0000	31.45	_________
TOTAL DIRECT EXPENSES				1010.76	_________
RETURNS ABOVE DIRECT EXPENSES				69.24	_________
TOTAL FIXED EXPENSES				198.84	_________
TOTAL SPECIFIED EXPENSES				1209.60	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-129.60	_________

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

Table 15.C Estimated resource use for field operations, per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Fullpage Hyb Tr	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed FPH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Preface	oz					5.0000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
TOTALS							0.63	0.63	2.82	0.47

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

Table 15.D Estimated costs for field operations, per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Fullpage Hyb Tr	lb	145.82					6.02	151.84		151.84
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed FPH(Levee)	lb	26.95					1.11	28.06		28.06
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Preface	oz	2.75					0.11	2.86		2.86
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		819.93	81.77	36.86	40.75	0.00	31.45	1010.76	198.84	1209.60

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

Table 15.E Estimated monthly income and expense flows per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	83.12	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	174.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	13.62	7.76	3.66	1.75	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	344.12	233.22	136.96	86.07	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-344.12	-233.22	-136.96	-86.07	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-382.06	-615.28	-752.24	-838.31	86.47	69.24

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

Table 15.F Estimated returns for various price/yield combinations, per acre
Fullpage hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-541	-514	-487	-460	-433	-406	-379	-352	-325	-298	-271
			-740	-713	-686	-659	-632	-605	-578	-551	-524	-497	-470
60	108.00	bu	-473	-441	-408	-376	-344	-311	-279	-246	-214	-182	-149
			-672	-640	-607	-575	-542	-510	-478	-445	-413	-380	-348
70	126.00	bu	-405	-367	-329	-292	-254	-216	-178	-140	-103	-65	-27
			-604	-566	-528	-490	-453	-415	-377	-339	-301	-264	-226
80	144.00	bu	-337	-294	-250	-207	-164	-121	-78	-34	8	51	94
			-536	-492	-449	-406	-363	-320	-276	-233	-190	-147	-104
90	162.00	bu	-268	-220	-171	-123	-74	-25	22	71	119	168	217
			-467	-419	-370	-322	-273	-224	-176	-127	-79	-30	18
100	180.00	bu	-200	-146	-92	-38	15	69	123	177	231	285	339
			-399	-345	-291	-237	-183	-129	-75	-21	32	86	140
110	198.00	bu	-132	-73	-13	45	105	164	223	283	342	402	461
			-331	-271	-212	-153	-93	-34	25	84	143	203	262
120	216.00	bu	-64	0	65	130	194	259	324	389	454	518	583
			-263	-198	-133	-68	-3	60	125	190	255	320	384
130	234.00	bu	3	74	144	214	284	354	425	495	565	635	705
			-194	-124	-54	15	85	156	226	296	366	436	507
140	252.00	bu	72	147	223	298	374	450	525	601	676	752	828
			-126	-51	24	100	175	251	326	402	478	553	629
150	270.00	bu	140	221	302	383	464	545	626	707	788	869	950
			-58	22	103	184	265	346	427	508	589	670	751

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 16.A Estimated costs per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_________
App by Air (10 gal)	appl	9.50	1.0000	9.50	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_________
NBPT	pt	18.00	0.8000	14.40	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Preface	oz	0.55	11.0000	6.05	_________
Facet L	pt	17.36	2.0000	34.72	_________
Aim	oz	7.34	1.5000	11.01	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
SEED/PLANTS					
Rice Fullpage Hyb Tr	lb	6.34	23.0000	145.82	_________
Rice Seed FPH(Levee)	lb	6.34	4.2500	26.95	_________
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_________
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_________
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	15.4779	44.27	_________
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	_________
Tractors	acre	5.17	1.0000	5.17	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	11.80	1.0000	11.80	_________
INTEREST ON OP. CAP.	acre	30.44	1.0000	30.44	_________
TOTAL DIRECT EXPENSES				981.55	_________
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	_________
Tractors	acre	40.06	1.0000	40.06	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	91.67	1.0000	91.67	_________
TOTAL FIXED EXPENSES				191.10	_________
TOTAL SPECIFIED EXPENSES				1172.65	_________

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

Table 16.B Summary of estimated costs and returns per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	127.83	1.0000	127.83	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	174.00	1.0000	174.00	_________
ADJUVANTS	acre	19.19	1.0000	19.19	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_________
OPERATOR LABOR	hour	18.69	0.5328	9.97	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	24.4137	69.82	_________
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_________
INTEREST ON OP. CAP.	acre	30.44	1.0000	30.44	_________

TOTAL DIRECT EXPENSES				981.55	_________
RETURNS ABOVE DIRECT EXPENSES				98.45	_________
TOTAL FIXED EXPENSES				191.10	_________

TOTAL SPECIFIED EXPENSES				1172.65	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-92.65	_________

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

Table 16.C Estimated resource use for field operations, per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Fullpage Hyb Tr	lb					23.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed FPH(Levee)	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Preface	oz					5.0000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
TOTALS							0.53	0.53	2.61	0.47

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

Table 16.D Estimated costs for field operations, per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Fullpage Hyb Tr	lb	145.82					6.02	151.84		151.84
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed FPH(Levee)	lb	26.95					1.11	28.06		28.06
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Preface	oz	2.75					0.11	2.86		2.86
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		809.76	69.82	33.74	37.79	0.00	30.44	981.55	191.10	1172.65

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

Table 16.E Estimated monthly income and expense flows per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	83.12	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	174.00	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	12.85	7.68	3.59	1.70	2.07	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	324.63	230.72	134.47	83.60	152.96	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-324.63	-230.72	-134.47	-83.60	927.04	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-362.57	-593.29	-727.76	-811.36	115.68	98.45

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

Table 16.F Estimated returns for various price/yield combinations, per acre
Fullpage hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-512	-485	-458	-431	-404	-377	-350	-323	-296	-269	-242
			-703	-676	-649	-622	-595	-568	-541	-514	-487	-460	-433
60	108.00	bu	-444	-412	-379	-347	-314	-282	-250	-217	-185	-152	-120
			-635	-603	-570	-538	-505	-473	-441	-408	-376	-343	-311
70	126.00	bu	-376	-338	-300	-262	-225	-187	-149	-111	-73	-36	1
			-567	-529	-491	-453	-416	-378	-340	-302	-264	-227	-189
80	144.00	bu	-308	-264	-221	-178	-135	-92	-48	-5	37	80	123
			-499	-455	-412	-369	-326	-283	-239	-196	-153	-110	-67
90	162.00	bu	-239	-191	-142	-93	-45	3	51	100	149	197	246
			-430	-382	-333	-285	-236	-187	-139	-90	-42	6	55
100	180.00	bu	-171	-117	-63	-9	44	98	152	206	260	314	368
			-362	-308	-254	-200	-146	-92	-38	15	69	123	177
110	198.00	bu	-103	-43	15	74	134	193	253	312	371	431	490
			-294	-235	-175	-116	-56	2	61	121	180	240	299
120	216.00	bu	-35	29	94	159	224	288	353	418	483	548	612
			-226	-161	-96	-31	33	97	162	227	292	357	421
130	234.00	bu	33	103	173	243	313	384	454	524	594	664	735
			-157	-87	-17	52	122	193	263	333	403	473	544
140	252.00	bu	101	176	252	328	403	479	554	630	706	781	857
			-89	-14	61	137	212	288	363	439	515	590	666
150	270.00	bu	169	250	331	412	493	574	655	736	817	898	979
			-21	59	140	221	302	383	464	545	626	707	788

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 17.A Estimated costs per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	________
App by Air (10 gal)	appl	9.50	1.0000	9.50	________
App by Air (3 gal)	appl	7.50	2.1000	15.75	________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	________
DAP	cwt	36.68	0.5000	18.34	________
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	________
NBPT	pt	18.00	0.8000	14.40	________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	________
2,4-D Amine 4	pt	2.23	2.0000	4.46	________
Command 3ME	pt	14.95	1.3000	19.43	________
Sharpen	oz	7.46	3.0000	22.38	________
HighCard	oz	1.14	15.5000	17.67	________
Facet L	pt	17.36	2.0000	34.72	________
Preface	oz	0.55	6.0000	3.30	________
Aim	oz	7.34	1.5000	11.01	________
Clincher SF	oz	2.69	7.5000	20.18	________
INSECTICIDES					
Tenchu SG	oz	1.19	14.4000	17.14	________
Warrior II ZT	oz	3.02	0.6000	1.81	________
SEED/PLANTS					
Rice Seed Max-Ace	lb	8.89	26.7500	237.81	________
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	________
Class Act NG	pt	5.00	0.5000	2.50	________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	________
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	________
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	________
Harvesters	hour	18.69	0.1100	2.06	________
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	________
Implements	hour	9.06	0.0785	0.71	________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	________
DIESEL FUEL					
Tractors	gal	2.86	7.6209	21.78	________
Harvesters	gal	2.86	2.4063	6.88	________
Flood Irr.	gal	2.86	26.8827	76.89	________
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	________
Tractors	acre	6.02	1.0000	6.02	________
Harvesters	acre	6.44	1.0000	6.44	________
Flood Irr.	acre	14.31	1.0000	14.31	________
INTEREST ON OP. CAP.	acre	36.16	1.0000	36.16	________
TOTAL DIRECT EXPENSES				1149.44	________
FIXED EXPENSES					
Implements	acre	30.08	1.0000	30.08	________
Tractors	acre	46.61	1.0000	46.61	________
Harvesters	acre	30.83	1.0000	30.83	________
Flood Irr.	acre	59.44	1.0000	59.44	________
TOTAL FIXED EXPENSES				166.96	________
TOTAL SPECIFIED EXPENSES				1316.40	________

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

Table 17.B Summary of estimated costs and returns per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	53.43	1.0000	53.43	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	142.75	1.0000	142.75	_________
INSECTICIDES	acre	18.95	1.0000	18.95	_________
SEED/PLANTS	acre	239.04	1.0000	239.04	_________
ADJUVANTS	acre	19.19	1.0000	19.19	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_________
OPERATOR LABOR	hour	18.69	0.6575	12.29	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	36.9100	105.55	_________
REPAIR & MAINTENANCE	acre	37.35	1.0000	37.35	_________
INTEREST ON OP. CAP.	acre	36.16	1.0000	36.16	_________

TOTAL DIRECT EXPENSES				1149.44	_________
RETURNS ABOVE DIRECT EXPENSES				-69.44	_________
TOTAL FIXED EXPENSES				166.96	_________

TOTAL SPECIFIED EXPENSES				1316.40	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-236.40	_________

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

Table 17.C Estimated resource use for field operations, per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							hours			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Max-Ace	lb					22.5000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Max-Ace	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
HighCard	oz					15.5000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.80	Jul	1.8000				
Tenchu SG	oz					14.4000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.65	0.65	5.21	0.47

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

Table 17.D Estimated costs for field operations, per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		-----DIRECT COST-----								
		-----dollars-----								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Max-Ace	lb	200.03					8.25	208.28		208.28
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Max-Ace	lb	37.78					1.56	39.34		39.34
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
HighCard	oz	17.67					0.73	18.40		18.40
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	13.50					0.28	13.78		13.78
Tenchu SG	oz	17.14					0.35	17.49		17.49
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		907.84	105.55	37.35	62.54	0.00	36.16	1149.44	166.96	1316.40

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

Table 17.E Estimated monthly income and expense flows per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	15.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	98.04	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.95	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	239.04	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	7.71	8.61	8.61	10.15	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	8.51	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	9.52	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	17.04	8.18	4.00	2.28	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	430.31	245.81	149.47	112.39	156.29	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-430.31	-245.81	-149.47	-112.39	923.71	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-468.25	-714.06	-863.53	-975.92	-52.21	-69.44

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

Table 17.F Estimated returns for various price/yield combinations, per acre
Max Ace hybrid contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-680	-653	-626	-599	-572	-545	-518	-491	-464	-437	-410
			-847	-820	-793	-766	-739	-712	-685	-658	-631	-604	-577
60	108.00	bu	-612	-579	-547	-515	-482	-450	-417	-385	-353	-320	-288
			-779	-746	-714	-682	-649	-617	-584	-552	-520	-487	-455
70	126.00	bu	-544	-506	-468	-430	-392	-355	-317	-279	-241	-203	-166
			-711	-673	-635	-597	-559	-522	-484	-446	-408	-370	-333
80	144.00	bu	-475	-432	-389	-346	-303	-259	-216	-173	-130	-87	-43
			-642	-599	-556	-513	-470	-426	-383	-340	-297	-254	-210
90	162.00	bu	-407	-359	-310	-261	-213	-164	-116	-67	-18	29	78
			-574	-526	-477	-428	-380	-331	-283	-234	-185	-137	-88
100	180.00	bu	-339	-285	-231	-177	-123	-69	-15	38	92	146	200
			-506	-452	-398	-344	-290	-236	-182	-128	-74	-20	33
110	198.00	bu	-271	-211	-152	-93	-33	25	85	144	203	263	322
			-438	-378	-319	-259	-200	-141	-81	-22	37	96	155
120	216.00	bu	-202	-138	-73	-8	56	121	185	250	315	380	445
			-369	-305	-240	-175	-110	-45	18	83	148	213	278
130	234.00	bu	-134	-64	5	75	146	216	286	356	426	497	567
			-301	-231	-161	-91	-20	49	119	189	259	330	400
140	252.00	bu	-66	9	84	160	235	311	387	462	538	613	689
			-233	-157	-82	-6	68	144	220	295	371	446	522
150	270.00	bu	1	82	163	244	325	406	487	568	649	730	811
			-165	-84	-3	77	158	239	320	401	482	563	644

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 18.A Estimated costs per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	
App by Air (10 gal)	appl	9.50	1.0000	9.50	
App by Air (3 gal)	appl	7.50	1.3000	9.75	
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	
DAP	cwt	36.68	0.5000	18.34	
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	
NBPT	pt	18.00	0.8000	14.40	
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	
2,4-D Amine 4	pt	2.23	2.0000	4.46	
Command 3ME	pt	14.95	1.3000	19.43	
Sharpen	oz	7.46	3.0000	22.38	
HighCard	oz	1.14	15.5000	17.67	
Facet L	pt	17.36	2.0000	34.72	
Preface	oz	0.55	6.0000	3.30	
Aim	oz	7.34	1.5000	11.01	
Clincher SF	oz	2.69	7.5000	20.18	
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	
Warrior II ZT	oz	3.02	0.6000	1.81	
SEED/PLANTS					
Rice Seed Max-Ace	lb	8.89	26.7500	237.81	
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	
Class Act NG	pt	5.00	0.5000	2.50	
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	
Harvesters	hour	18.69	0.1100	2.06	
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	
Implements	hour	9.06	0.0785	0.71	
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	
Harvesters	gal	2.86	2.4063	6.88	
Flood Irr.	gal	2.86	21.9949	62.91	
REPAIR & MAINTENANCE					
Implements	acre	10.48	1.0000	10.48	
Tractors	acre	5.70	1.0000	5.70	
Harvesters	acre	6.44	1.0000	6.44	
Flood Irr.	acre	14.31	1.0000	14.31	
INTEREST ON OP. CAP.	acre	35.00	1.0000	35.00	
TOTAL DIRECT EXPENSES				1105.51	
FIXED EXPENSES					
Implements	acre	29.38	1.0000	29.38	
Tractors	acre	44.11	1.0000	44.11	
Harvesters	acre	30.83	1.0000	30.83	
Flood Irr.	acre	92.37	1.0000	92.37	
TOTAL FIXED EXPENSES				196.69	
TOTAL SPECIFIED EXPENSES				1302.20	

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

Table 18.B Summary of estimated costs and returns per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	142.75	1.0000	142.75	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	239.04	1.0000	239.04	_________
ADJUVANTS	acre	19.19	1.0000	19.19	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_________
OPERATOR LABOR	hour	18.69	0.6099	11.41	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	31.6056	90.39	_________
REPAIR & MAINTENANCE	acre	36.93	1.0000	36.93	_________
INTEREST ON OP. CAP.	acre	35.00	1.0000	35.00	_________

TOTAL DIRECT EXPENSES				1105.51	_________
RETURNS ABOVE DIRECT EXPENSES				-25.51	_________
TOTAL FIXED EXPENSES				196.69	_________

TOTAL SPECIFIED EXPENSES				1302.20	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-222.20	_________

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

Table 18.C Estimated resource use for field operations, per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Max-Ace	lb					22.5000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Max-Ace	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
HighCard	oz					15.5000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
TOTALS							0.60	0.60	4.01	0.47

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

Table 18.D Estimated costs for field operations, per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Max-Ace	lb	200.03					8.25	208.28		208.28
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Max-Ace	lb	37.78					1.56	39.34		39.34
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
HighCard	oz	17.67					0.73	18.40		18.40
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		891.97	90.39	36.93	51.22	0.00	35.00	1105.51	196.69	1302.20

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

Table 18.E Estimated monthly income and expense flows per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	98.04	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	239.04	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	9.77	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	8.00	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	9.35	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	16.75	7.95	3.80	1.85	2.10	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	423.05	238.54	142.23	91.30	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-423.05	-238.54	-142.23	-91.30	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-460.99	-699.53	-841.76	-933.06	-8.28	-25.51

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

Table 18.F Estimated returns for various price/yield combinations, per acre
Max-Ace hybrid straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-636	-609	-582	-555	-528	-501	-474	-447	-420	-393	-366
			-833	-806	-779	-752	-725	-698	-671	-644	-617	-590	-563
60	108.00	bu	-568	-536	-503	-471	-438	-406	-374	-341	-309	-276	-244
			-765	-732	-700	-667	-635	-603	-570	-538	-505	-473	-441
70	126.00	bu	-500	-462	-424	-386	-348	-311	-273	-235	-197	-159	-122
			-696	-659	-621	-583	-545	-507	-470	-432	-394	-356	-318
80	144.00	bu	-431	-388	-345	-302	-259	-215	-172	-129	-86	-43	0
			-628	-585	-542	-499	-455	-412	-369	-326	-283	-239	-196
90	162.00	bu	-363	-315	-266	-217	-169	-120	-72	-23	25	73	122
			-560	-511	-463	-414	-366	-317	-268	-220	-171	-123	-74
100	180.00	bu	-295	-241	-187	-133	-79	-25	28	82	136	190	244
			-492	-438	-384	-330	-276	-222	-168	-114	-60	-6	47
110	198.00	bu	-227	-167	-108	-49	10	69	129	188	247	307	366
			-423	-364	-305	-245	-186	-126	-67	-8	51	110	170
120	216.00	bu	-159	-94	-29	35	100	164	229	294	359	424	488
			-355	-290	-226	-161	-96	-31	33	97	162	227	292
130	234.00	bu	-90	-20	49	119	189	260	330	400	470	540	611
			-287	-217	-147	-76	-6	63	133	203	274	344	414
140	252.00	bu	-22	52	128	204	279	355	430	506	582	657	733
			-219	-143	-68	7	83	158	234	309	385	461	536
150	270.00	bu	45	126	207	288	369	450	531	612	693	774	855
			-151	-70	10	91	172	253	334	415	496	577	658

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 19.A Estimated costs per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_________
App by Air (10 gal)	appl	9.50	1.0000	9.50	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_________
NBPT	pt	18.00	0.8000	14.40	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
HighCard	oz	1.14	15.5000	17.67	_________
Facet L	pt	17.36	2.0000	34.72	_________
Preface	oz	0.55	6.0000	3.30	_________
Aim	oz	7.34	1.5000	11.01	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	_________
SEED/PLANTS					
Rice Seed Max-Ace	lb	8.89	26.7500	237.81	_________
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_________
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_________
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	_________
Implements	hour	9.06	0.0375	0.34	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	18.7364	53.59	_________
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	_________
Tractors	acre	5.88	1.0000	5.88	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	13.96	1.0000	13.96	_________
INTEREST ON OP. CAP.	acre	34.75	1.0000	34.75	_________

TOTAL DIRECT EXPENSES				1094.02	_________
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	_________
Tractors	acre	45.59	1.0000	45.59	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	92.02	1.0000	92.02	_________

TOTAL FIXED EXPENSES				198.84	_________

TOTAL SPECIFIED EXPENSES				1292.86	_________

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

Table 19.B Summary of estimated costs and returns per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	142.75	1.0000	142.75	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_________
SEED/PLANTS	acre	239.04	1.0000	239.04	_________
ADJUVANTS	acre	19.19	1.0000	19.19	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_________
OPERATOR LABOR	hour	18.69	0.6381	11.94	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	28.5932	81.77	_________
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_________
INTEREST ON OP. CAP.	acre	34.75	1.0000	34.75	_________

TOTAL DIRECT EXPENSES				1094.02	_________
RETURNS ABOVE DIRECT EXPENSES				-14.02	_________
TOTAL FIXED EXPENSES				198.84	_________

TOTAL SPECIFIED EXPENSES				1292.86	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-212.86	_________

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

Table 19.C Estimated resource use for field operations, per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Max-Ace	lb					22.5000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Max-Ace	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
HighCard	oz					15.5000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
TOTALS							0.63	0.63	2.82	0.47

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

Table 19.D Estimated costs for field operations, per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Max-Ace	lb	200.03					8.25	208.28		208.28
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Max-Ace	lb	37.78					1.56	39.34		39.34
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
HighCard	oz	17.67					0.73	18.40		18.40
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		899.89	81.77	36.86	40.75	0.00	34.75	1094.02	198.84	1292.86

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

Table 19.E Estimated monthly income and expense flows per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	98.04	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	239.04	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	16.92	7.76	3.66	1.75	2.11	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	427.38	233.22	136.96	86.07	155.22	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-427.38	-233.22	-136.96	-86.07	924.78	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-465.32	-698.54	-835.50	-921.57	3.21	-14.02

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

Table 19.F Estimated returns for various price/yield combinations, per acre
Max-Ace hybrid straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-625	-598	-571	-544	-517	-490	-463	-436	-409	-382	-355
			-823	-796	-769	-742	-715	-688	-661	-634	-607	-580	-553
60	108.00	bu	-556	-524	-492	-459	-427	-394	-362	-330	-297	-265	-232
			-755	-723	-690	-658	-626	-593	-561	-528	-496	-464	-431
70	126.00	bu	-488	-450	-413	-375	-337	-299	-261	-224	-186	-148	-110
			-687	-649	-611	-574	-536	-498	-460	-422	-385	-347	-309
80	144.00	bu	-420	-377	-334	-290	-247	-204	-161	-118	-74	-31	11
			-619	-576	-532	-489	-446	-403	-360	-316	-273	-230	-187
90	162.00	bu	-352	-303	-255	-206	-157	-109	-60	-12	36	85	133
			-551	-502	-453	-405	-356	-308	-259	-210	-162	-113	-65
100	180.00	bu	-284	-230	-176	-122	-68	-14	39	93	147	201	255
			-482	-428	-374	-320	-266	-212	-158	-104	-50	3	57
110	198.00	bu	-215	-156	-96	-37	21	81	140	200	259	318	378
			-414	-355	-295	-236	-177	-117	-58	1	60	119	179
120	216.00	bu	-147	-82	-17	46	111	176	241	306	370	435	500
			-346	-281	-216	-152	-87	-22	42	107	171	236	301
130	234.00	bu	-79	-9	61	131	201	271	341	412	482	552	622
			-278	-207	-137	-67	2	72	143	213	283	353	423
140	252.00	bu	-11	64	140	215	291	366	442	518	593	669	744
			-209	-134	-58	16	92	168	243	319	394	470	546
150	270.00	bu	57	138	219	300	381	462	543	624	705	786	867
			-141	-60	20	101	182	263	344	425	506	587	668

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 20.A Estimated costs per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	3.5000	28.18	_________
App by Air (10 gal)	appl	9.50	1.0000	9.50	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.9400	154.32	_________
NBPT	pt	18.00	0.8000	14.40	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
HighCard	oz	1.14	15.5000	17.67	_________
Facet L	pt	17.36	2.0000	34.72	_________
Preface	oz	0.55	6.0000	3.30	_________
Aim	oz	7.34	1.5000	11.01	_________
Clincher SF	oz	2.69	7.5000	20.18	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
SEED/PLANTS					
Rice Seed Max-Ace	lb	8.89	26.7500	237.81	_________
Rice Seed Trt/Insect	lbseed	0.29	4.2500	1.23	_________
ADJUVANTS					
MSO	pt	3.50	1.5000	5.25	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.9400	94.38	_________
HAULING					
Haul Rice	bu	0.30	180.0000	54.00	_________
DRYING					
Dry Rice	bu	0.40	180.0000	72.00	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	15.4779	44.27	_________
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	_________
Tractors	acre	5.17	1.0000	5.17	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	11.80	1.0000	11.80	_________
INTEREST ON OP. CAP.	acre	33.74	1.0000	33.74	_________

TOTAL DIRECT EXPENSES				1064.81	_________
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	_________
Tractors	acre	40.06	1.0000	40.06	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	91.67	1.0000	91.67	_________

TOTAL FIXED EXPENSES				191.10	_________

TOTAL SPECIFIED EXPENSES				1255.91	_________

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

Table 20.B Summary of estimated costs and returns per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	47.43	1.0000	47.43	_________
FERTILIZERS	acre	198.27	1.0000	198.27	_________
HERBICIDES	acre	142.75	1.0000	142.75	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	239.04	1.0000	239.04	_________
ADJUVANTS	acre	19.19	1.0000	19.19	_________
CUSTOM FERTILIZE	acre	94.38	1.0000	94.38	_________
HAULING	acre	54.00	1.0000	54.00	_________
DRYING	acre	72.00	1.0000	72.00	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_________
OPERATOR LABOR	hour	18.69	0.5328	9.97	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	24.4137	69.82	_________
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_________
INTEREST ON OP. CAP.	acre	33.74	1.0000	33.74	_________

TOTAL DIRECT EXPENSES				1064.81	_________
RETURNS ABOVE DIRECT EXPENSES				15.19	_________
TOTAL FIXED EXPENSES				191.10	_________

TOTAL SPECIFIED EXPENSES				1255.91	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-175.91	_________

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

Table 20.C Estimated resource use for field operations, per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Max-Ace	lb					22.5000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Max-Ace	lb					4.2500				
Rice Seed Trt/Insect	lbseed					4.2500				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
HighCard	oz					15.5000				
Facet L	pt					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.6700				
Urea, Solid (46% N)	cwt					2.6700				
NBPT	pt					0.8000				
App by Air (10 gal)	appl			1.00	May	1.0000				
Preface	oz					6.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Aim	oz					1.5000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Clincher SF	oz					7.5000				
MSO	pt					1.0000				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	180.0000				
Dry Rice	bu			1.00	Aug	180.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
TOTALS							0.53	0.53	2.61	0.47

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

Table 20.D Estimated costs for field operations, per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Max-Ace	lb	200.03					8.25	208.28		208.28
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Max-Ace	lb	37.78					1.56	39.34		39.34
Rice Seed Trt/Insect	lbseed	1.23					0.05	1.28		1.28
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
HighCard	oz	17.67					0.73	18.40		18.40
Facet L	pt	34.72					1.43	36.15		36.15
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	36.31					1.25	37.56		37.56
Urea, Solid (46% N)	cwt	69.37					2.38	71.75		71.75
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Preface	oz	3.30					0.11	3.41		3.41
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Aim	oz	11.01					0.38	11.39		11.39
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Clincher SF	oz	20.18					0.55	20.73		20.73
MSO	pt	3.50					0.10	3.60		3.60
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	54.00					0.74	54.74		54.74
Dry Rice	bu	72.00					0.99	72.99		72.99
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		889.72	69.82	33.74	37.79	0.00	33.74	1064.81	191.10	1255.91

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

Table 20.E Estimated monthly income and expense flows per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	9.75	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.31	56.38	28.58	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	98.04	14.31	20.18	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	239.04	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	3.50	0.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.91	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	16.15	7.68	3.59	1.70	2.07	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	407.89	230.72	134.47	83.60	152.96	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-407.89	-230.72	-134.47	-83.60	927.04	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-445.83	-676.55	-811.02	-894.62	32.42	15.19

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

Table 20.F Estimated returns for various price/yield combinations, per acre
Max-Ace hybrid straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-595	-568	-541	-514	-487	-460	-433	-406	-379	-352	-325
			-787	-760	-733	-706	-679	-652	-625	-598	-571	-544	-517
60	108.00	bu	-527	-495	-462	-430	-398	-365	-333	-300	-268	-236	-203
			-718	-686	-654	-621	-589	-556	-524	-492	-459	-427	-394
70	126.00	bu	-459	-421	-383	-346	-308	-270	-232	-194	-157	-119	-81
			-650	-612	-574	-537	-499	-461	-423	-385	-348	-310	-272
80	144.00	bu	-391	-348	-304	-261	-218	-175	-132	-88	-45	-2	40
			-582	-539	-495	-452	-409	-366	-323	-279	-236	-193	-150
90	162.00	bu	-323	-274	-225	-177	-128	-80	-31	17	65	114	162
			-514	-465	-416	-368	-319	-271	-222	-173	-125	-76	-28
100	180.00	bu	-254	-200	-146	-92	-38	15	69	123	177	231	285
			-445	-391	-337	-283	-229	-175	-121	-67	-13	40	94
110	198.00	bu	-186	-127	-67	-8	51	110	169	229	288	348	407
			-377	-318	-258	-199	-140	-80	-21	38	97	156	216
120	216.00	bu	-118	-53	11	76	140	205	270	335	400	464	529
			-309	-244	-179	-115	-50	14	79	144	208	273	338
130	234.00	bu	-50	20	90	160	230	300	371	441	511	581	651
			-241	-171	-100	-30	39	109	179	250	320	390	460
140	252.00	bu	18	93	169	244	320	396	471	547	622	698	774
			-173	-97	-21	53	129	204	280	356	431	507	582
150	270.00	bu	86	167	248	329	410	491	572	653	734	815	896
			-104	-23	57	138	219	300	381	462	543	624	705

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 21.A Estimated costs per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	________
App by Air (10 gal)	appl	9.50	1.0000	9.50	________
App by Air (3 gal)	appl	7.50	1.3000	9.75	________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	________
DAP	cwt	36.68	0.5000	18.34	________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	________
NBPT	pt	18.00	0.7500	13.50	________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	________
2,4-D Amine 4	pt	2.23	2.0000	4.46	________
Command 3ME	pt	14.95	1.3000	19.43	________
Sharpen	oz	7.46	3.0000	22.38	________
Provisia	oz	0.92	31.0000	28.52	________
Aim	oz	7.34	1.0000	7.34	________
Permit	oz	23.42	0.7500	17.57	________
Regiment	oz	48.18	0.2500	12.05	________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	________
Warrior II ZT	oz	3.02	0.6000	1.81	________
SEED/PLANTS					
Rice Seed Provisia	lb	1.32	77.0000	101.64	________
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	________
ADJUVANTS					
Class Act NG	pt	5.00	0.5000	2.50	________
MSO	pt	3.50	0.5000	1.75	________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	________
Dyne-A-Pak	pt	4.17	0.2500	1.04	________
Surfactant	pt	3.30	0.1000	0.33	________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	________
HAULING					
Haul Rice	bu	0.30	156.0000	46.80	________
DRYING					
Dry Rice	bu	0.40	156.0000	62.40	________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	1.0000	4.50	________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.5475	10.23	________
Harvesters	hour	18.69	0.1269	2.37	________
IRRIGATE LABOR					
Special Labor	hour	9.06	3.5250	31.96	________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	________
Implements	hour	9.06	0.0785	0.71	________
RICE MGT. LABOR					
Special Labor	hour	9.06	1.5000	13.59	________
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	________
DIESEL FUEL					
Tractors	gal	2.86	7.6209	21.78	________
Harvesters	gal	2.86	2.7765	7.94	________
Flood Irr.	gal	2.86	26.8827	76.89	________
REPAIR & MAINTENANCE					
Implements	acre	10.95	1.0000	10.95	________
Tractors	acre	6.02	1.0000	6.02	________
Harvesters	acre	7.43	1.0000	7.43	________
Flood Irr.	acre	14.31	1.0000	14.31	________
INTEREST ON OP. CAP.	acre	30.76	1.0000	30.76	________

TOTAL DIRECT EXPENSES				1013.30	________
FIXED EXPENSES					
Implements	acre	30.81	1.0000	30.81	________
Tractors	acre	46.61	1.0000	46.61	________
Harvesters	acre	35.58	1.0000	35.58	________
Flood Irr.	acre	59.44	1.0000	59.44	________

TOTAL FIXED EXPENSES				172.44	________

TOTAL SPECIFIED EXPENSES				1185.74	________

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

Table 21.B Summary of estimated costs and returns per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	156.0000	936.00	_________

TOTAL INCOME				936.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	121.35	1.0000	121.35	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	123.97	1.0000	123.97	_________
ADJUVANTS	acre	17.06	1.0000	17.06	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	46.80	1.0000	46.80	_________
DRYING	acre	62.40	1.0000	62.40	_________
SURVEY & MARK LEVEES	acre	4.50	1.0000	4.50	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	3.5250	31.96	_________
OPERATOR LABOR	hour	18.69	0.6745	12.60	_________
RICE MGT. LABOR	hour	9.06	1.5000	13.59	_________
UNALLOCATED LABOR	hour	18.69	0.4947	9.25	_________
DIESEL FUEL	gal	2.86	37.2802	106.61	_________
REPAIR & MAINTENANCE	acre	38.71	1.0000	38.71	_________
INTEREST ON OP. CAP.	acre	30.76	1.0000	30.76	_________

TOTAL DIRECT EXPENSES				1013.30	_________
RETURNS ABOVE DIRECT EXPENSES				-77.30	_________
TOTAL FIXED EXPENSES				172.44	_________

TOTAL SPECIFIED EXPENSES				1185.74	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-249.74	_________

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

Table 21.C Estimated resource use for field operations, per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Provisia	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
Class Act NG	pt					0.5000				
MSO	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Provisia	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Provisia	oz					15.5000				
Aim	oz					1.0000				
Permit	oz					0.7500				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Provisia	oz					15.5000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.30	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Regiment	oz					0.2500				
Dyne-A-Pak	pt					0.2500				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.50	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.50	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (CL)	40' Rigid	425 hp	0.126	1.00	Aug		0.12	0.12	0.12	0.11
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	156.0000				
Dry Rice	bu			1.00	Aug	156.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.12	0.12	3.64	
TOTALS							0.67	0.67	6.02	0.49

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

Table 21.D Estimated costs for field operations, per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Provisia	lb	85.80					3.54	89.34		89.34
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
Class Act NG	pt	2.50					0.10	2.60		2.60
MSO	pt	1.75					0.07	1.82		1.82
Seed Levees										
Rice Seed Provisia	lb	15.84					0.65	16.49		16.49
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Provisia	oz	14.26					0.59	14.85		14.85
Aim	oz	7.34					0.30	7.64		7.64
Permit	oz	17.57					0.72	18.29		18.29
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Provisia	oz	14.26					0.49	14.75		14.75
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Rice Management										
RICE MGT. LABOR	hour				2.72		0.09	2.81		2.81
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Regiment	oz	12.05					0.33	12.38		12.38
Dyne-A-Pak	pt	1.04					0.03	1.07		1.07
Rice Management										
RICE MGT. LABOR	hour				4.53		0.12	4.65		4.65
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				4.53		0.09	4.62		4.62
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (CL)	40' Rigid		7.94	10.20	4.50		0.31	22.95	41.05	64.00
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	46.80					0.64	47.44		47.44
Dry Rice	bu	62.40					0.86	63.26		63.26
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	4.50	80.00	15.41	34.28		4.16	138.35	67.53	205.88
TOTALS		766.84	106.61	38.71	70.38	0.00	30.76	1013.30	172.44	1185.74

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

Table 21.E Estimated monthly income and expense flows per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	----	----	----	----	----	----	dollars	----	----	----	----	----
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	936.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	84.82	14.26	12.05	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	123.97	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	1.04	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.80	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.40	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	17.39	9.52	11.33	11.33	10.74	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	21.62	20.97	20.97	20.97	9.57	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.61	8.20	2.29	2.29	10.88	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.74	7.97	3.78	2.80	1.92	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	296.72	239.73	141.38	137.99	142.31	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-296.72	-239.73	-141.38	-137.99	793.69	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-334.66	-574.39	-715.77	-853.76	-60.07	-77.30

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

Table 21.F Estimated returns for various price/yield combinations, per acre
Provisia contour levee rice
Flood irrigated, 33 ac-in., Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	78.00	bu	-606	-583	-560	-536	-513	-489	-466	-443	-419	-396	-372
			-779	-755	-732	-709	-685	-662	-638	-615	-592	-568	-545
60	93.60	bu	-547	-519	-491	-463	-435	-407	-379	-351	-323	-295	-267
			-720	-692	-664	-636	-607	-579	-551	-523	-495	-467	-439
70	109.20	bu	-488	-455	-423	-390	-357	-324	-292	-259	-226	-193	-161
			-661	-628	-595	-562	-530	-497	-464	-431	-399	-366	-333
80	124.80	bu	-429	-392	-354	-317	-279	-242	-204	-167	-130	-92	-55
			-602	-564	-527	-489	-452	-414	-377	-339	-302	-265	-227
90	140.40	bu	-370	-328	-286	-244	-201	-159	-117	-75	-33	8	50
			-542	-500	-458	-416	-374	-332	-290	-248	-205	-163	-121
100	156.00	bu	-311	-264	-217	-170	-124	-77	-30	16	63	109	156
			-483	-436	-390	-343	-296	-249	-202	-156	-109	-62	-15
110	171.60	bu	-252	-200	-149	-97	-46	5	56	108	159	211	262
			-424	-373	-321	-270	-218	-167	-115	-64	-12	38	90
120	187.20	bu	-193	-136	-80	-24	31	87	143	200	256	312	368
			-365	-309	-253	-197	-140	-84	-28	27	83	139	196
130	202.80	bu	-133	-73	-12	48	109	170	231	291	352	413	474
			-306	-245	-184	-123	-62	-2	58	119	180	241	302
140	218.40	bu	-74	-9	56	121	187	252	318	383	449	514	580
			-247	-181	-116	-50	14	80	145	211	276	342	407
150	234.00	bu	-15	54	124	194	265	335	405	475	545	616	686
			-188	-117	-47	22	92	162	233	303	373	443	513

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 22.A Estimated costs per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	_________
App by Air (10 gal)	appl	9.50	1.0000	9.50	_________
App by Air (3 gal)	appl	7.50	1.3000	9.75	_________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	_________
DAP	cwt	36.68	0.5000	18.34	_________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	_________
NBPT	pt	18.00	0.7500	13.50	_________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	_________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	_________
2,4-D Amine 4	pt	2.23	2.0000	4.46	_________
Command 3ME	pt	14.95	1.3000	19.43	_________
Sharpen	oz	7.46	3.0000	22.38	_________
Provisia	oz	0.92	31.0000	28.52	_________
Aim	oz	7.34	1.0000	7.34	_________
Permit	oz	23.42	0.7500	17.57	_________
Regiment	oz	48.18	0.2500	12.05	_________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	_________
Warrior II ZT	oz	3.02	0.6000	1.81	_________
SEED/PLANTS					
Rice Seed Provisia	lb	1.32	77.0000	101.64	_________
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	_________
ADJUVANTS					
MSO	pt	3.50	0.5000	1.75	_________
Class Act NG	pt	5.00	0.5000	2.50	_________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	_________
Dyne-A-Pak	pt	4.17	0.2500	1.04	_________
Surfactant	pt	3.30	0.1000	0.33	_________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	_________
HAULING					
Haul Rice	bu	0.30	156.0000	46.80	_________
DRYING					
Dry Rice	bu	0.40	156.0000	62.40	_________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	_________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	_________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	_________
OPERATOR LABOR					
Tractors	hour	18.69	0.4999	9.35	_________
Harvesters	hour	18.69	0.1100	2.06	_________
IRRIGATE LABOR					
Special Labor	hour	9.06	2.3750	21.52	_________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	_________
Implements	hour	9.06	0.0785	0.71	_________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL					
Tractors	gal	2.86	7.2043	20.60	_________
Harvesters	gal	2.86	2.4063	6.88	_________
Flood Irr.	gal	2.86	21.9949	62.91	_________
REPAIR & MAINTENANCE					
Implements	acre	10.48	1.0000	10.48	_________
Tractors	acre	5.70	1.0000	5.70	_________
Harvesters	acre	6.44	1.0000	6.44	_________
Flood Irr.	acre	14.31	1.0000	14.31	_________
INTEREST ON OP. CAP.	acre	29.66	1.0000	29.66	_________

TOTAL DIRECT EXPENSES				972.79	_________
FIXED EXPENSES					
Implements	acre	29.38	1.0000	29.38	_________
Tractors	acre	44.11	1.0000	44.11	_________
Harvesters	acre	30.83	1.0000	30.83	_________
Flood Irr.	acre	92.37	1.0000	92.37	_________

TOTAL FIXED EXPENSES				196.69	_________

TOTAL SPECIFIED EXPENSES				1169.48	_________

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

Table 22.B Summary of estimated costs and returns per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	156.0000	936.00	_________

TOTAL INCOME				936.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	121.35	1.0000	121.35	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	123.97	1.0000	123.97	_________
ADJUVANTS	acre	17.06	1.0000	17.06	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	46.80	1.0000	46.80	_________
DRYING	acre	62.40	1.0000	62.40	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	2.3750	21.52	_________
OPERATOR LABOR	hour	18.69	0.6099	11.41	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	31.6056	90.39	_________
REPAIR & MAINTENANCE	acre	36.93	1.0000	36.93	_________
INTEREST ON OP. CAP.	acre	29.66	1.0000	29.66	_________

TOTAL DIRECT EXPENSES				972.79	_________
RETURNS ABOVE DIRECT EXPENSES				-36.79	_________
TOTAL FIXED EXPENSES				196.69	_________

TOTAL SPECIFIED EXPENSES				1169.48	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-233.48	_________

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

Table 22.C Estimated resource use for field operations, per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Provisia	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Provisia	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Provisia	oz					15.5000				
Aim	oz					1.0000				
Permit	oz					0.7500				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Provisia	oz					15.5000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Regiment	oz					0.2500				
Dyne-A-Pak	pt					0.2500				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	156.0000				
Dry Rice	bu			1.00	Aug	156.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.07	0.07	2.45	
TOTALS							0.60	0.60	4.01	0.47

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

Table 22.D Estimated costs for field operations, per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Provisia	lb	85.80					3.54	89.34		89.34
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Provisia	lb	15.84					0.65	16.49		16.49
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Provisia	oz	14.26					0.59	14.85		14.85
Aim	oz	7.34					0.30	7.64		7.64
Permit	oz	17.57					0.72	18.29		18.29
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Provisia	oz	14.26					0.49	14.75		14.75
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Regiment	oz	12.05					0.33	12.38		12.38
Dyne-A-Pak	pt	1.04					0.03	1.07		1.07
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	46.80					0.64	47.44		47.44
Dry Rice	bu	62.40					0.86	63.26		63.26
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	2.25	64.84	14.99	22.96		3.28	108.32	97.26	205.58
TOTALS		764.59	90.39	36.93	51.22	0.00	29.66	972.79	196.69	1169.48

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

Table 22.E Estimated monthly income and expense flows per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	936.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	84.82	14.26	12.05	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	123.97	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	1.04	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.80	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.40	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	13.26	5.44	6.34	6.34	9.77	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	20.95	16.31	16.31	16.31	8.00	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.69	8.09	2.18	2.18	9.35	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.45	7.68	3.51	2.60	1.87	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	289.46	230.59	131.35	128.03	138.19	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-289.46	-230.59	-131.35	-128.03	797.81	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-327.40	-557.99	-689.34	-817.37	-19.56	-36.79

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

Table 22.F Estimated returns for various price/yield combinations, per acre
Provisia straight levee rice
Flood irrigated, 27 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	78.00	bu	-566	-543	-519	-496	-472	-449	-426	-402	-379	-355	-332
			-763	-739	-716	-692	-669	-646	-622	-599	-575	-552	-529
60	93.60	bu	-507	-479	-451	-423	-394	-366	-338	-310	-282	-254	-226
			-704	-675	-647	-619	-591	-563	-535	-507	-479	-451	-423
70	109.20	bu	-448	-415	-382	-349	-317	-284	-251	-218	-186	-153	-120
			-644	-612	-579	-546	-513	-481	-448	-415	-382	-350	-317
80	124.80	bu	-389	-351	-314	-276	-239	-201	-164	-126	-89	-52	-14
			-585	-548	-510	-473	-435	-398	-361	-323	-286	-248	-211
90	140.40	bu	-329	-287	-245	-203	-161	-119	-77	-35	7	49	91
			-526	-484	-442	-400	-358	-316	-273	-231	-189	-147	-105
100	156.00	bu	-270	-223	-177	-130	-83	-36	10	56	103	150	197
			-467	-420	-373	-327	-280	-233	-186	-139	-93	-46	0
110	171.60	bu	-211	-160	-108	-57	-5	45	97	148	200	251	303
			-408	-356	-305	-253	-202	-150	-99	-47	3	54	106
120	187.20	bu	-152	-96	-40	15	72	128	184	240	296	352	409
			-349	-293	-236	-180	-124	-68	-12	43	100	156	212
130	202.80	bu	-93	-32	28	89	149	210	271	332	393	454	515
			-290	-229	-168	-107	-46	14	74	135	196	257	318
140	218.40	bu	-34	31	96	162	227	293	358	424	489	555	620
			-230	-165	-99	-34	31	96	162	227	293	358	424
150	234.00	bu	24	95	165	235	305	375	446	516	586	656	726
			-171	-101	-31	38	108	179	249	319	389	459	530

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 23.A Estimated costs per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	________
App by Air (10 gal)	appl	9.50	1.0000	9.50	________
App by Air (3 gal)	appl	7.50	1.3000	9.75	________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	________
DAP	cwt	36.68	0.5000	18.34	________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	________
NBPT	pt	18.00	0.7500	13.50	________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	________
2,4-D Amine 4	pt	2.23	2.0000	4.46	________
Command 3ME	pt	14.95	1.3000	19.43	________
Sharpen	oz	7.46	3.0000	22.38	________
Provisia	oz	0.92	31.0000	28.52	________
Aim	oz	7.34	1.0000	7.34	________
Permit	oz	23.42	0.7500	17.57	________
Regiment	oz	48.18	0.2500	12.05	________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	________
Warrior II ZT	oz	3.02	0.6000	1.81	________
IRRIGATION SUPPLIES					
Roll-Out Pipe	ft	0.24	33.0000	7.92	________
SEED/PLANTS					
Rice Seed Provisia	lb	1.32	77.0000	101.64	________
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	________
ADJUVANTS					
MSO	pt	3.50	0.5000	1.75	________
Class Act NG	pt	5.00	0.5000	2.50	________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	________
Dyne-A-Pak	pt	4.17	0.2500	1.04	________
Surfactant	pt	3.30	0.1000	0.33	________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	________
HAULING					
Haul Rice	bu	0.30	156.0000	46.80	________
DRYING					
Dry Rice	bu	0.40	156.0000	62.40	________
SURVEY & MARK LEVEES					
Survey & Mark Levees	acre	4.50	0.5000	2.25	________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.5281	9.88	________
Harvesters	hour	18.69	0.1100	2.06	________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.1250	10.18	________
Implements	hour	9.06	0.0375	0.34	________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	________
Implements	hour	9.06	0.0785	0.71	________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	________
DIESEL FUEL					
Tractors	gal	2.86	7.4504	21.30	________
Harvesters	gal	2.86	2.4063	6.88	________
Flood Irr.	gal	2.86	18.7364	53.59	________
REPAIR & MAINTENANCE					
Implements	acre	10.58	1.0000	10.58	________
Tractors	acre	5.88	1.0000	5.88	________
Harvesters	acre	6.44	1.0000	6.44	________
Flood Irr.	acre	13.96	1.0000	13.96	________
INTEREST ON OP. CAP.	acre	29.41	1.0000	29.41	________
TOTAL DIRECT EXPENSES				961.30	________
FIXED EXPENSES					
Implements	acre	30.40	1.0000	30.40	________
Tractors	acre	45.59	1.0000	45.59	________
Harvesters	acre	30.83	1.0000	30.83	________
Flood Irr.	acre	92.02	1.0000	92.02	________
TOTAL FIXED EXPENSES				198.84	________
TOTAL SPECIFIED EXPENSES				1160.14	________

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

Table 23.B Summary of estimated costs and returns per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	156.0000	936.00	_________

TOTAL INCOME				936.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	121.35	1.0000	121.35	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
IRRIGATION SUPPLIES	acre	7.92	1.0000	7.92	_________
SEED/PLANTS	acre	123.97	1.0000	123.97	_________
ADJUVANTS	acre	17.06	1.0000	17.06	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	46.80	1.0000	46.80	_________
DRYING	acre	62.40	1.0000	62.40	_________
SURVEY & MARK LEVEES	acre	2.25	1.0000	2.25	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.1625	10.52	_________
OPERATOR LABOR	hour	18.69	0.6381	11.94	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	28.5932	81.77	_________
REPAIR & MAINTENANCE	acre	36.86	1.0000	36.86	_________
INTEREST ON OP. CAP.	acre	29.41	1.0000	29.41	_________

TOTAL DIRECT EXPENSES				961.30	_________
RETURNS ABOVE DIRECT EXPENSES				-25.30	_________
TOTAL FIXED EXPENSES				198.84	_________

TOTAL SPECIFIED EXPENSES				1160.14	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-224.14	_________

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

Table 23.C Estimated resource use for field operations, per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours------------			
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Provisia	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Provisia	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Provisia	oz					15.5000				
Aim	oz					1.0000				
Permit	oz					0.7500				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Provisia	oz					15.5000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Regiment	oz					0.2500				
Dyne-A-Pak	pt					0.2500				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	156.0000				
Dry Rice	bu			1.00	Aug	156.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000	0.10	0.10	1.26	
TOTALS							0.63	0.63	2.82	0.47

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

Table 23.D Estimated costs for field operations, per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Provisia	lb	85.80					3.54	89.34		89.34
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Provisia	lb	15.84					0.65	16.49		16.49
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Provisia	oz	14.26					0.59	14.85		14.85
Aim	oz	7.34					0.30	7.64		7.64
Permit	oz	17.57					0.72	18.29		18.29
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Provisia	oz	14.26					0.49	14.75		14.75
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Regiment	oz	12.05					0.33	12.38		12.38
Dyne-A-Pak	pt	1.04					0.03	1.07		1.07
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	46.80					0.64	47.44		47.44
Dry Rice	bu	62.40					0.86	63.26		63.26
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre	10.17	56.22	14.92	12.49		3.03	96.83	99.41	196.24
TOTALS		772.51	81.77	36.86	40.75	0.00	29.41	961.30	198.84	1160.14

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

Table 23.E Estimated monthly income and expense flows per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	936.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	84.82	14.26	12.05	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
IRRIGATION SUPPLIES	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.00	0.00	0.00	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	123.97	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	1.04	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.80	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.40	0.00
SURVEY & MARK LEVEES	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	11.18	2.72	3.62	3.62	9.54	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	19.16	13.98	13.98	13.98	8.16	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	6.80	8.01	2.10	2.10	9.41	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	11.62	7.49	3.37	2.50	1.88	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	293.79	225.27	126.08	122.80	138.19	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-293.79	-225.27	-126.08	-122.80	797.81	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-331.73	-557.00	-683.08	-805.88	-8.07	-25.30

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

Table 23.F Estimated returns for various price/yield combinations, per acre
Provisia straight levee multi inlet rice
Flood irrigated, 23 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	78.00	bu	-554	-531	-508	-484	-461	-437	-414	-391	-367	-344	-320
			-753	-730	-706	-683	-660	-636	-613	-589	-566	-543	-519
60	93.60	bu	-495	-467	-439	-411	-383	-355	-327	-299	-271	-243	-215
			-694	-666	-638	-610	-582	-554	-526	-498	-470	-441	-413
70	109.20	bu	-436	-403	-371	-338	-305	-272	-240	-207	-174	-141	-109
			-635	-602	-570	-537	-504	-471	-438	-406	-373	-340	-307
80	124.80	bu	-377	-340	-302	-265	-227	-190	-152	-115	-78	-40	-3
			-576	-538	-501	-464	-426	-389	-351	-314	-276	-239	-202
90	140.40	bu	-318	-276	-234	-192	-149	-107	-65	-23	18	60	102
			-517	-475	-433	-390	-348	-306	-264	-222	-180	-138	-96
100	156.00	bu	-259	-212	-165	-118	-72	-25	21	68	115	161	208
			-458	-411	-364	-317	-270	-224	-177	-130	-83	-36	9
110	171.60	bu	-200	-148	-97	-45	5	57	108	160	211	263	314
			-399	-347	-296	-244	-193	-141	-90	-38	12	64	115
120	187.20	bu	-141	-84	-28	27	83	139	195	252	308	364	420
			-339	-283	-227	-171	-115	-59	-2	53	109	165	221
130	202.80	bu	-81	-21	39	100	161	222	283	343	404	465	526
			-280	-219	-159	-98	-37	23	84	145	205	266	327
140	218.40	bu	-22	42	108	173	239	304	370	435	501	566	632
			-221	-156	-90	-25	40	105	171	237	302	368	433
150	234.00	bu	36	106	176	246	317	387	457	527	597	668	738
			-162	-92	-22	48	118	188	258	328	399	469	539

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 24.A Estimated costs per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	4.5000	36.23	________
App by Air (10 gal)	appl	9.50	1.0000	9.50	________
App by Air (3 gal)	appl	7.50	1.3000	9.75	________
FERTILIZERS					
Amm Sulfate (21% N)	cwt	22.40	0.5000	11.20	________
DAP	cwt	36.68	0.5000	18.34	________
Urea, Solid (46% N)	cwt	25.98	5.7700	149.90	________
NBPT	pt	18.00	0.7500	13.50	________
FUNGICIDES					
Ameristar Top	oz	2.76	10.0000	27.60	________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	________
2,4-D Amine 4	pt	2.23	2.0000	4.46	________
Command 3ME	pt	14.95	1.3000	19.43	________
Sharpen	oz	7.46	3.0000	22.38	________
Provisia	oz	0.92	31.0000	28.52	________
Aim	oz	7.34	1.0000	7.34	________
Permit	oz	23.42	0.7500	17.57	________
Regiment	oz	48.18	0.2500	12.05	________
INSECTICIDES					
Tenchu SG	oz	1.19	8.0000	9.52	________
Warrior II ZT	oz	3.02	0.6000	1.81	________
SEED/PLANTS					
Rice Seed Provisia	lb	1.32	77.0000	101.64	________
Rice Seed Trt/Insect	lbseed	0.29	77.0000	22.33	________
ADJUVANTS					
MSO	pt	3.50	0.5000	1.75	________
Class Act NG	pt	5.00	0.5000	2.50	________
Crop Oil Conc.(Pet.)	pt	2.86	4.0000	11.44	________
Dyne-A-Pak	pt	4.17	0.2500	1.04	________
Surfactant	pt	3.30	0.1000	0.33	________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	6.7700	92.07	________
HAULING					
Haul Rice	bu	0.30	156.0000	46.80	________
DRYING					
Dry Rice	bu	0.40	156.0000	62.40	________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3330	3.33	________
OPERATOR LABOR					
Tractors	hour	18.69	0.4228	7.91	________
Harvesters	hour	18.69	0.1100	2.06	________
IRRIGATE LABOR					
Special Labor	hour	9.06	1.0500	9.53	________
HAND LABOR					
Special Labor	hour	9.06	0.2500	2.27	________
Implements	hour	9.06	0.0785	0.71	________
RICE MGT. LABOR					
Special Labor	hour	9.06	0.7000	6.34	________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	________
DIESEL FUEL					
Tractors	gal	2.86	6.5294	18.67	________
Harvesters	gal	2.86	2.4063	6.88	________
Flood Irr.	gal	2.86	15.4779	44.27	________
REPAIR & MAINTENANCE					
Implements	acre	10.33	1.0000	10.33	________
Tractors	acre	5.17	1.0000	5.17	________
Harvesters	acre	6.44	1.0000	6.44	________
Flood Irr.	acre	11.80	1.0000	11.80	________
INTEREST ON OP. CAP.	acre	28.40	1.0000	28.40	________

TOTAL DIRECT EXPENSES				932.09	________
FIXED EXPENSES					
Implements	acre	28.54	1.0000	28.54	________
Tractors	acre	40.06	1.0000	40.06	________
Harvesters	acre	30.83	1.0000	30.83	________
Flood Irr.	acre	91.67	1.0000	91.67	________

TOTAL FIXED EXPENSES				191.10	________

TOTAL SPECIFIED EXPENSES				1123.19	________

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

Table 24.B Summary of estimated costs and returns per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	156.0000	936.00	_________

TOTAL INCOME				936.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	55.48	1.0000	55.48	_________
FERTILIZERS	acre	192.95	1.0000	192.95	_________
FUNGICIDES	acre	27.60	1.0000	27.60	_________
HERBICIDES	acre	121.35	1.0000	121.35	_________
INSECTICIDES	acre	11.33	1.0000	11.33	_________
SEED/PLANTS	acre	123.97	1.0000	123.97	_________
ADJUVANTS	acre	17.06	1.0000	17.06	_________
CUSTOM FERTILIZE	acre	92.07	1.0000	92.07	_________
HAULING	acre	46.80	1.0000	46.80	_________
DRYING	acre	62.40	1.0000	62.40	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.33	1.0000	3.33	_________
HAND LABOR	hour	9.06	0.3285	2.98	_________
IRRIGATE LABOR	hour	9.06	1.0500	9.53	_________
OPERATOR LABOR	hour	18.69	0.5328	9.97	_________
RICE MGT. LABOR	hour	9.06	0.7000	6.34	_________
UNALLOCATED LABOR	hour	18.70	0.4795	8.97	_________
DIESEL FUEL	gal	2.86	24.4137	69.82	_________
REPAIR & MAINTENANCE	acre	33.74	1.0000	33.74	_________
INTEREST ON OP. CAP.	acre	28.40	1.0000	28.40	_________

TOTAL DIRECT EXPENSES				932.09	_________
RETURNS ABOVE DIRECT EXPENSES				3.91	_________
TOTAL FIXED EXPENSES				191.10	_________

TOTAL SPECIFIED EXPENSES				1123.19	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				-187.19	_________

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

Table 24.C Estimated resource use for field operations, per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours	------------		
Soil Test	acre			0.33	Oct	0.3330				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Harrow - Folding	40'	MFWD 300	0.038	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Provisia	lb					65.0000				
Rice Seed Trt/Insect	lbseed					65.0000				
Roller/Cultipacker	30'	MFWD 300	0.049	1.00	Apr		0.04	0.04	0.04	0.04
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					0.5000				
Class Act NG	pt					0.5000				
Seed Levees				1.00	Apr					
Rice Seed Provisia	lb					12.0000				
Rice Seed Trt/Insect	lbseed					12.0000				
App by Air (5 gal)	appl			1.00	Apr	1.0000				
Provisia	oz					15.5000				
Aim	oz					1.0000				
Permit	oz					0.7500				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	May	1.0000				
Amm Sulfate (21% N)	cwt					0.5000				
DAP	cwt					0.5000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	2.5000				
Urea, Solid (46% N)	cwt					2.5000				
NBPT	pt					0.7500				
App by Air (10 gal)	appl			1.00	May	1.0000				
Provisia	oz					15.5000				
Crop Oil Conc.(Pet.)	pt					2.0000				
Rice Management				1.00	May					
RICE MGT. LABOR	hour								0.10	
App by Air (5 gal)	appl			0.50	Jun	0.5000				
Regiment	oz					0.2500				
Dyne-A-Pak	pt					0.2500				
Rice Management				1.00	Jun					
RICE MGT. LABOR	hour								0.20	
App Fert by Air	cwt			1.00	Jun	2.1700				
Urea, Solid (46% N)	cwt					2.1700				
App Fert by Air	cwt			1.00	Jul	1.1000				
Urea, Solid (46% N)	cwt					1.1000				
Rice Management				1.00	Jul					
RICE MGT. LABOR	hour								0.20	
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Ameristar Top	oz					10.0000				
Surfactant	pt					0.1000				
App by Air (3 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					8.0000				
App by Air (3 gal)	appl			0.30	Jul	0.3000				
Warrior II ZT	oz					0.6000				
Rice Management				1.00	Aug					
RICE MGT. LABOR	hour								0.20	
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 300	0.055	0.20	Aug		0.01	0.01	0.01	0.00
Handling & Storage				1.00	Aug					
HAND LABOR	hour								0.25	
Haul Rice	bu			1.00	Aug	156.0000				
Dry Rice	bu			1.00	Aug	156.0000				
Disk Heavy	28'	MFWD 300	0.075	2.00	Sep		0.15	0.15	0.15	0.13
Flood Irr.	acre				Jan	1.0000			1.05	
							-------	-------	-------	-------
TOTALS							0.53	0.53	2.61	0.47

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

Table 24.D Estimated costs for field operations, per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Soil Test	acre	3.33					0.27	3.60		3.60
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Harrow - Folding	40'		1.71	0.77	1.38		0.32	4.18	4.23	8.41
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Provisia	lb	85.80					3.54	89.34		89.34
Rice Seed Trt/Insect	lbseed	18.85					0.78	19.63		19.63
Roller/Cultipacker	30'		2.20	0.86	1.77		0.20	5.03	5.15	10.18
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	1.75					0.07	1.82		1.82
Class Act NG	pt	2.50					0.10	2.60		2.60
Seed Levees										
Rice Seed Provisia	lb	15.84					0.65	16.49		16.49
Rice Seed Trt/Insect	lbseed	3.48					0.14	3.62		3.62
App by Air (5 gal)	appl	8.05					0.33	8.38		8.38
Provisia	oz	14.26					0.59	14.85		14.85
Aim	oz	7.34					0.30	7.64		7.64
Permit	oz	17.57					0.72	18.29		18.29
Crop Oil Conc.(Pet.)	pt	5.72					0.24	5.96		5.96
App Fert by Air	cwt	13.60					0.47	14.07		14.07
Amm Sulfate (21% N)	cwt	11.20					0.39	11.59		11.59
DAP	cwt	18.34					0.63	18.97		18.97
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	34.00					1.17	35.17		35.17
Urea, Solid (46% N)	cwt	64.95					2.23	67.18		67.18
NBPT	pt	13.50					0.46	13.96		13.96
App by Air (10 gal)	appl	9.50					0.33	9.83		9.83
Provisia	oz	14.26					0.49	14.75		14.75
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
Rice Management										
RICE MGT. LABOR	hour				0.91		0.03	0.94		0.94
App by Air (5 gal)	appl	4.03					0.11	4.14		4.14
Regiment	oz	12.05					0.33	12.38		12.38
Dyne-A-Pak	pt	1.04					0.03	1.07		1.07
Rice Management										
RICE MGT. LABOR	hour				1.81		0.05	1.86		1.86
App Fert by Air	cwt	29.51					0.81	30.32		30.32
Urea, Solid (46% N)	cwt	56.38					1.55	57.93		57.93
App Fert by Air	cwt	14.96					0.31	15.27		15.27
Urea, Solid (46% N)	cwt	28.58					0.59	29.17		29.17
Rice Management										
RICE MGT. LABOR	hour				1.81		0.04	1.85		1.85
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Ameristar Top	oz	27.60					0.57	28.17		28.17
Surfactant	pt	0.33					0.01	0.34		0.34
App by Air (3 gal)	appl	7.50					0.15	7.65		7.65
Tenchu SG	oz	9.52					0.20	9.72		9.72
App by Air (3 gal)	appl	2.25					0.05	2.30		2.30
Warrior II ZT	oz	1.81					0.04	1.85		1.85
Rice Management										
RICE MGT. LABOR	hour				1.81		0.02	1.83		1.83
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		0.49	0.29	0.40		0.02	1.20	1.39	2.59
Handling & Storage										
HAND LABOR	hour				2.27		0.03	2.30		2.30
Haul Rice	bu	46.80					0.64	47.44		47.44
Dry Rice	bu	62.40					0.86	63.26		63.26
Disk Heavy	28'		6.68	5.05	5.38		0.12	17.23	22.81	40.04
Flood Irr.	acre		44.27	11.80	9.53		2.02	67.62	91.67	159.29
TOTALS		762.34	69.82	33.74	37.79	0.00	28.40	932.09	191.10	1123.19

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

Table 24.E Estimated monthly income and expense flows per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	----------	----------	----------	----------	----------	----------	dollars	----------	----------	----------	----------	----------
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	936.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	16.10	9.50	4.03	17.80	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.99	56.38	28.58	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	84.82	14.26	12.05	0.00	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	123.97	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	9.97	5.72	1.04	0.33	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.60	29.51	14.96	0.00	0.00
HAULING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.80	0.00
DRYING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.40	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR	4.69	0.00	0.00	0.00	0.00	0.00	7.99	3.18	4.08	4.08	8.39	5.38
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.83	0.00	0.00	0.00	0.00	0.00	14.99	11.65	11.65	11.65	7.37	6.68
REPAIR & MAINTENANCE	3.39	0.00	0.00	0.00	0.00	0.00	5.61	7.46	1.55	1.55	9.13	5.05
INTEREST ON OP. CAP.	1.42	0.00	0.00	0.00	1.01	0.00	10.85	7.41	3.30	2.45	1.84	0.12
TOTAL DIRECT EXPENSES	18.66	0.00	0.00	0.00	19.28	0.00	274.30	222.77	123.59	120.33	135.93	17.23
NET INCOME	-18.66	0.00	0.00	0.00	-19.28	0.00	-274.30	-222.77	-123.59	-120.33	800.07	-17.23
NET INCOME TO DATE	-18.66	-18.66	-18.66	-18.66	-37.94	-37.94	-312.24	-535.01	-658.60	-778.93	21.14	3.91

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

Table 24.F Estimated returns for various price/yield combinations, per acre
Provisia straight levee-zero grade rice
Flood irrigated, 19 ac-in., Mississippi, 2025

			PERCENT										
PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	78.00	bu	-525	-502	-478	-455	-432	-408	-385	-361	-338	-315	-291
			-716	-693	-670	-646	-623	-599	-576	-553	-529	-506	-482
60	93.60	bu	-466	-438	-410	-382	-354	-326	-298	-270	-241	-213	-185
			-657	-629	-601	-573	-545	-517	-489	-461	-433	-404	-376
70	109.20	bu	-407	-374	-341	-309	-276	-243	-210	-178	-145	-112	-79
			-598	-565	-533	-500	-467	-434	-402	-369	-336	-303	-270
80	124.80	bu	-348	-310	-273	-236	-198	-161	-123	-86	-48	-11	26
			-539	-502	-464	-427	-389	-352	-314	-277	-239	-202	-165
90	140.40	bu	-289	-247	-204	-162	-120	-78	-36	5	47	89	131
			-480	-438	-396	-353	-311	-269	-227	-185	-143	-101	-59
100	156.00	bu	-230	-183	-136	-89	-42	3	50	97	144	191	237
			-421	-374	-327	-280	-233	-187	-140	-93	-46	0	46
110	171.60	bu	-170	-119	-68	-16	34	86	137	189	240	292	343
			-362	-310	-259	-207	-156	-104	-53	-1	49	101	152
120	187.20	bu	-111	-55	0	56	112	168	225	281	337	393	449
			-302	-246	-190	-134	-78	-22	34	90	146	202	258
130	202.80	bu	-52	8	68	129	190	251	312	373	434	494	555
			-243	-182	-122	-61	-0	60	121	182	242	303	364
140	218.40	bu	6	71	137	202	268	334	399	465	530	596	661
			-184	-119	-53	11	77	142	208	273	339	405	470
150	234.00	bu	65	135	205	276	346	416	486	556	627	697	767
			-125	-55	14	85	155	225	295	365	436	506	576

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

Table 25.A Estimated costs per acre
Conventional Row Rice
Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
DIRECT EXPENSES					
CUSTOM SPRAY					
App by Air (5 gal)	appl	8.05	6.0000	48.30	________
FERTILIZERS					
Urea, Solid (46% N)	cwt	25.98	4.8000	124.70	________
NBPT	pt	18.00	1.5200	27.36	________
FUNGICIDES					
Quadris	oz	1.70	12.5000	21.25	________
HERBICIDES					
Glyphosate 3lbs a.e	oz	0.12	80.0000	9.60	________
2,4-D Amine 4	pt	2.23	2.0000	4.46	________
Command 3ME	pt	14.95	1.3000	19.43	________
Sharpen	oz	7.46	3.0000	22.38	________
RiceBeaux	pt	6.72	8.0000	53.76	________
Facet L	pt	17.36	2.0000	34.72	________
Gambit	oz	18.07	2.0000	36.14	________
Grandstand R	pt	21.42	1.0000	21.42	________
INSECTICIDES					
Tenchu SG	oz	1.19	10.5000	12.50	________
Warrior II ZT	oz	3.02	2.5600	7.73	________
SEED/PLANTS					
Rice Seed Conv.	lb	0.33	80.0000	26.40	________
Rice Conv Hyb Trt	lb	6.31	30.0000	189.30	________
Rice Seed Trt/Insect	lbseed	0.29	110.0000	31.90	________
ADJUVANTS					
MSO	pt	3.50	3.0000	10.50	________
Class Act NG	pt	5.00	1.0000	5.00	________
Crop Oil Conc.(Pet.)	pt	2.86	2.0000	5.72	________
CUSTOM FERTILIZE					
App Fert by Air	cwt	13.60	4.8000	65.28	________
CROP CONSULTANT					
Rice Consultant	acre	8.00	1.0000	8.00	________
SOIL TEST					
Soil Test	acre	10.00	0.3300	3.30	________
OPERATOR LABOR					
Tractors	hour	18.69	0.2661	4.97	________
Harvesters	hour	18.69	0.1100	2.06	________
HAND LABOR					
Implements	hour	9.06	0.0785	0.71	________
HAND. & STOR. LABOR					
Special Labor	hour	9.06	0.2000	1.81	________
UNALLOCATED LABOR	hour	18.69	0.3385	6.33	________
DIESEL FUEL					
Tractors	gal	2.86	3.8981	11.15	________
Harvesters	gal	2.86	2.4063	6.88	________
REPAIR & MAINTENANCE					
Implements	acre	7.47	1.0000	7.47	________
Tractors	acre	3.14	1.0000	3.14	________
Harvesters	acre	6.44	1.0000	6.44	________
INTEREST ON OP. CAP.	acre	29.10	1.0000	29.10	________
TOTAL DIRECT EXPENSES				869.23	________
FIXED EXPENSES					
Implements	acre	20.92	1.0000	20.92	________
Tractors	acre	24.35	1.0000	24.35	________
Harvesters	acre	30.83	1.0000	30.83	________
TOTAL FIXED EXPENSES				76.10	________
TOTAL SPECIFIED EXPENSES				945.33	________

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

Table 25.B Summary of estimated costs and returns per acre
Conventional Row Rice
Mississippi, 2025

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
Rice	bu	6.00	180.0000	1080.00	_________

TOTAL INCOME				1080.00	_________
DIRECT EXPENSES					
CUSTOM SPRAY	acre	48.30	1.0000	48.30	_________
FERTILIZERS	acre	152.08	1.0000	152.08	_________
FUNGICIDES	acre	21.25	1.0000	21.25	_________
HERBICIDES	acre	201.91	1.0000	201.91	_________
INSECTICIDES	acre	20.23	1.0000	20.23	_________
SEED/PLANTS	acre	247.60	1.0000	247.60	_________
ADJUVANTS	acre	21.22	1.0000	21.22	_________
CUSTOM FERTILIZE	acre	65.28	1.0000	65.28	_________
CROP CONSULTANT	acre	8.00	1.0000	8.00	_________
SOIL TEST	acre	3.30	1.0000	3.30	_________
HAND LABOR	hour	9.06	0.0785	0.71	_________
HAND. & STOR. LABOR	hour	9.06	0.2000	1.81	_________
OPERATOR LABOR	hour	18.69	0.3761	7.03	_________
UNALLOCATED LABOR	hour	18.69	0.3385	6.33	_________
DIESEL FUEL	gal	2.86	6.3044	18.03	_________
REPAIR & MAINTENANCE	acre	17.05	1.0000	17.05	_________
INTEREST ON OP. CAP.	acre	29.10	1.0000	29.10	_________

TOTAL DIRECT EXPENSES				869.23	_________
RETURNS ABOVE DIRECT EXPENSES				210.77	_________
TOTAL FIXED EXPENSES				76.10	_________

TOTAL SPECIFIED EXPENSES				945.33	_________
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				134.67	_________

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

Table 25.C Estimated resource use for field operations, per acre
Conventional Row Rice
Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	INPUT AMOUNT	IMPLEMENT	POWER UNIT	ALLOC LABOR	UNALL LABOR
							-------------hours	------------		
Soil Test	acre			0.33	Sep	0.3300				
Field Cultivate Fld	32'	MFWD 300	0.046	2.00	Oct		0.09	0.09	0.09	0.08
Roller/Cultipacker	38'	MFWD 300	0.039	1.00	Oct		0.03	0.03	0.03	0.03
App by Air (5 gal)	appl			1.00	Feb	1.0000				
Glyphosate 3lbs a.e	oz					48.0000				
2,4-D Amine 4	pt					2.0000				
Grain Drill	24'	MFWD 300	0.078	1.00	Apr		0.07	0.07	0.15	0.07
Rice Seed Conv.	lb					80.0000				
Rice Conv Hyb Trt	lb					30.0000				
Rice Seed Trt/Insect	lbseed					110.0000				
App by Air (5 gal)	appl			1.00	Apr					
Glyphosate 3lbs a.e	oz					32.0000				
Command 3ME	pt					1.3000				
Sharpen	oz					3.0000				
MSO	pt					1.0000				
Class Act NG	pt					1.0000				
Rice Consultant	acre			1.00	May	1.0000				
App Fert by Air	cwt			1.00	May	1.2000				
Urea, Solid (46% N)	cwt					1.2000				
NBPT	pt					0.8000				
App by Air (5 gal)	appl			1.00	May	1.0000				
RiceBeaux	pt					8.0000				
App Fert by Air	cwt			1.00	May	1.2000				
Urea, Solid (46% N)	cwt					1.2000				
NBPT	pt					0.2400				
App by Air (5 gal)	appl			1.00	May	1.0000				
Facet L	pt					2.0000				
Gambit	oz					2.0000				
Crop Oil Conc.(Pet.)	pt					2.0000				
App Fert by Air	cwt			1.00	Jun	1.2000				
Urea, Solid (46% N)	cwt					1.2000				
NBPT	pt					0.2400				
App Fert by Air	cwt			1.00	Jul	1.2000				
Urea, Solid (46% N)	cwt					1.2000				
NBPT	pt					0.2400				
App by Air (5 gal)	appl			1.00	Jul					
Grandstand R	pt					1.0000				
MSO	pt					2.0000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Quadris	oz					12.5000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Tenchu SG	oz					10.5000				
App by Air (5 gal)	appl			1.00	Jul	1.0000				
Warrior II ZT	oz					2.5600				
Header - Draper (SL)	40' Rigid	425 hp	0.110	1.00	Aug		0.11	0.11	0.11	0.09
Grain Cart Rice	700 bu	MFWD 225	0.055	1.00	Aug		0.05	0.05	0.05	0.04
HAND. & STOR. LABOR	hour			1.00	Aug				0.20	
Dry Rice	bu			1.00	Aug					
TOTALS							0.37	0.37	0.65	0.33

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

Table 25.D Estimated costs for field operations, per acre
Conventional Row Rice
Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Soil Test	acre	3.30					0.02	3.32		3.32
Field Cultivate Fld	32'		4.12	2.62	3.31		0.83	10.88	16.69	27.57
Roller/Cultipacker	38'		1.74	0.74	1.39		0.32	4.19	4.16	8.35
App by Air (5 gal)	appl	8.05					0.44	8.49		8.49
Glyphosate 3lbs a.e	oz	5.76					0.32	6.08		6.08
2,4-D Amine 4	pt	4.46					0.25	4.71		4.71
Grain Drill	24'		3.47	3.51	3.50		0.43	10.91	13.59	24.50
Rice Seed Conv.	lb	26.40					1.09	27.49		27.49
Rice Conv Hyb Trt	lb	189.30					7.81	197.11		197.11
Rice Seed Trt/Insect	lbseed	31.90					1.32	33.22		33.22
App by Air (5 gal)	appl									
Glyphosate 3lbs a.e	oz	3.84					0.16	4.00		4.00
Command 3ME	pt	19.43					0.80	20.23		20.23
Sharpen	oz	22.38					0.92	23.30		23.30
MSO	pt	3.50					0.14	3.64		3.64
Class Act NG	pt	5.00					0.21	5.21		5.21
Rice Consultant	acre	8.00					0.28	8.28		8.28
App Fert by Air	cwt	16.32					0.56	16.88		16.88
Urea, Solid (46% N)	cwt	31.18					1.07	32.25		32.25
NBPT	pt	14.40					0.50	14.90		14.90
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
RiceBeaux	pt	53.76					1.85	55.61		55.61
App Fert by Air	cwt	16.32					0.56	16.88		16.88
Urea, Solid (46% N)	cwt	31.18					1.07	32.25		32.25
NBPT	pt	4.32					0.15	4.47		4.47
App by Air (5 gal)	appl	8.05					0.28	8.33		8.33
Facet L	pt	34.72					1.19	35.91		35.91
Gambit	oz	36.14					1.24	37.38		37.38
Crop Oil Conc.(Pet.)	pt	5.72					0.20	5.92		5.92
App Fert by Air	cwt	16.32					0.45	16.77		16.77
Urea, Solid (46% N)	cwt	31.18					0.86	32.04		32.04
NBPT	pt	4.32					0.12	4.44		4.44
App Fert by Air	cwt	16.32					0.34	16.66		16.66
Urea, Solid (46% N)	cwt	31.18					0.64	31.82		31.82
NBPT	pt	4.32					0.09	4.41		4.41
App by Air (5 gal)	appl									
Grandstand R	pt	21.42					0.44	21.86		21.86
MSO	pt	7.00					0.14	7.14		7.14
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Quadris	oz	21.25					0.44	21.69		21.69
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Tenchu SG	oz	12.50					0.26	12.76		12.76
App by Air (5 gal)	appl	8.05					0.17	8.22		8.22
Warrior II ZT	oz	7.73					0.16	7.89		7.89
Header - Draper (SL)	40' Rigid		6.88	8.84	3.91		0.27	19.90	35.57	55.47
Grain Cart Rice	700 bu		1.82	1.34	1.96		0.07	5.19	6.09	11.28
HAND. & STOR. LABOR	hour				1.81		0.02	1.83		1.83
Dry Rice	bu									
TOTALS		789.17	18.03	17.05	15.88	0.00	29.10	869.23	76.10	945.33

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

Table 25.E Estimated monthly income and expense flows per acre
Conventional Row Rice
Mississippi, 2025

ITEM	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	dollars											
TOTAL INCOME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1080.00	0.00
DIRECT EXPENSES												
CUSTOM SPRAY	0.00	0.00	0.00	0.00	8.05	0.00	0.00	16.10	0.00	24.15	0.00	0.00
FERTILIZERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.08	35.50	35.50	0.00	0.00
FUNGICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.25	0.00	0.00
HERBICIDES	0.00	0.00	0.00	0.00	10.22	0.00	45.65	124.62	0.00	21.42	0.00	0.00
INSECTICIDES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.23	0.00	0.00
SEED/PLANTS	0.00	0.00	0.00	0.00	0.00	0.00	247.60	0.00	0.00	0.00	0.00	0.00
ADJUVANTS	0.00	0.00	0.00	0.00	0.00	0.00	8.50	5.72	0.00	7.00	0.00	0.00
CUSTOM FERTILIZE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.64	16.32	16.32	0.00	0.00
CROP CONSULTANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
SOIL TEST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30
LABOR	4.70	0.00	0.00	0.00	0.00	0.00	3.50	0.00	0.00	0.00	7.68	0.00
LEASE *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL	5.86	0.00	0.00	0.00	0.00	0.00	3.47	0.00	0.00	0.00	8.70	0.00
REPAIR & MAINTENANCE	3.36	0.00	0.00	0.00	0.00	0.00	3.51	0.00	0.00	0.00	10.18	0.00
INTEREST ON OP. CAP.	1.15	0.00	0.00	0.00	1.01	0.00	12.88	9.23	1.43	3.02	0.36	0.02
TOTAL DIRECT EXPENSES	15.07	0.00	0.00	0.00	19.28	0.00	325.11	277.39	53.25	148.89	26.92	3.32
NET INCOME	-15.07	0.00	0.00	0.00	-19.28	0.00	-325.11	-277.39	-53.25	-148.89	1053.08	-3.32
NET INCOME TO DATE	-15.07	-15.07	-15.07	-15.07	-34.35	-34.35	-359.46	-636.85	-690.10	-838.99	214.09	210.77

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

Table 25.F Estimated returns for various price/yield combinations, per acre
Conventional Row Rice
Mississippi, 2025

PRODUCT			75	80	85	90	95	100	105	110	115	120	125
			PERCENT										
			PRODUCT PRICE										
Rice			4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
PERCENT	YIELD	UNIT	dollars										
50	90.00	bu	-464	-437	-410	-383	-356	-329	-302	-275	-248	-221	-194
			-540	-513	-486	-459	-432	-405	-378	-351	-324	-297	-270
60	108.00	bu	-383	-350	-318	-286	-253	-221	-188	-156	-124	-91	-59
			-459	-426	-394	-362	-329	-297	-264	-232	-200	-167	-135
70	126.00	bu	-302	-264	-226	-188	-151	-113	-75	-37	0	37	75
			-378	-340	-302	-264	-227	-189	-151	-113	-75	-38	-0
80	144.00	bu	-221	-178	-134	-91	-48	-5	37	81	124	167	210
			-297	-254	-210	-167	-124	-81	-38	5	48	91	134
90	162.00	bu	-140	-91	-43	5	54	102	151	199	248	297	345
			-216	-167	-119	-70	-21	26	75	123	172	221	269
100	180.00	bu	-59	-5	48	102	156	210	264	318	372	426	480
			-135	-81	-27	26	80	134	188	242	296	350	404
110	198.00	bu	21	81	140	199	259	318	378	437	496	556	615
			-54	5	64	123	183	242	302	361	420	480	539
120	216.00	bu	102	167	232	297	361	426	491	556	621	685	750
			26	91	156	221	285	350	415	480	545	609	674
130	234.00	bu	183	253	324	394	464	534	604	675	745	815	885
			107	177	248	318	388	458	528	599	669	739	809
140	252.00	bu	264	340	415	491	567	642	718	793	869	945	1020
			188	264	339	415	491	566	642	717	793	869	944
150	270.00	bu	345	426	507	588	669	750	831	912	993	1074	1155
			269	350	431	512	593	674	755	836	917	998	1079

The top number in each cell is Returns Above Direct Expenses.
The bottom number in each cell is Returns Above Total Specified Expenses.
Only the product listed has been varied to calculate net returns.
Note: Cost of production estimates are based on 2024 input prices.

APPENDIX

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

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

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

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

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

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

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

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

(continued)

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

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

(continued)

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

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

(continued)

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

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

(continued)

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

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

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

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

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

(continued)

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

ITEM NAME	UNIT	PRICE	ITEM NAME	UNIT	PRICE
		dollars			dollars
Aim	oz	7.34	Harmony Extra SG	oz	14.64
Aim 2EC	oz	7.34	Helmet	oz	0.61
Anthem Flex	oz	6.68	HighCard	oz	1.14
Anthem Maxx	oz	4.79	Huskie	oz	0.91
Armezon Pro	oz	1.22	Impact	oz	16.26
Atrazine 4L	pt	2.18	Intimidator	oz	0.64
Atrazine 90DF	lb	4.32	Leadoff	oz	6.55
Authority First	lb	48.45	League	oz	4.61
Authority Elite	pt	14.50	Lexar	pt	5.16
Authority Maxx	lb	43.48	Liberty 280	oz	0.46
Authority MTZ	lb	19.75	Loyant	oz	2.64
Avatar	pt	8.04	Makaze	oz	0.17
Avenger	pt	13.75	Metolachlor	pt	5.66
Axial XL	oz	1.71	Metribuzin 4L	pt	12.60
Axiom	oz	2.25	Metribuzin 75	lb	9.05
Banvel	pt	3.86	MSMA	pt	3.97
Barrage	pt	3.83	Newpath	oz	4.50
Basagran	pt	5.43	Obey	oz	1.12
Boundary	pt	10.19	Osprey	oz	4.70
Brake	oz	1.39	Outlook	pt	14.94
Broadaxe	pt	13.50	Panther Pro	oz	3.46
Broadhead	lb	58.21	Parallel	pt	4.52
Bucaneer Plus	pt	2.16	Paraquat	oz	0.13
Buctril	pt	4.28	Parazone 3SL	oz	0.61
Butyrac 200 (2,4-DB)	pt	3.38	Permit	oz	23.42
Cadre	oz	2.20	Permit Plus	oz	23.86
Callisto	oz	2.99	PowerFlex	oz	8.02
Canopy	oz	3.25	Preface	oz	0.55
Caparol	pt	5.00	Prefix	pt	7.54
Capreno	oz	4.10	Provisia	oz	0.92
Cinch	pt	14.18	Prowl 3.3 EC	pt	6.63
Cinch ATZ	pt	6.26	Quelex	oz	9.52
Clarity	pt	15.00	RealmQ	oz	4.97
Classic	oz	20.19	RebelEx	oz	2.23
Clearpath	oz	4.46	Reflex	pt	8.18
Clethodim 2E	oz	0.23	Regiment	oz	48.18
Clincher SF	oz	2.69	Resicore	oz	0.41
Cobra	oz	0.75	Resource	oz	2.30
Command 3ME	pt	14.95	RiceBeaux	pt	6.72
Corvus	oz	6.07	Riceshot	pt	4.68
Cotoran	pt	7.34	Ricestar HT	pt	27.50
Cotton Pro	pt	3.45	Ringside	pt	5.44
Dicamba	pt	4.20	Roundup Power Max	oz	0.18
Direx	pt	3.22	Roundup PowerMax	pt	2.85
Diuron	pt	3.09	Roundup PowerMax ii	oz	0.31
Dual II Magnum	pt	12.64	Roundup Pro	pt	0.20
Dual Magnum	pt	10.11	Scepter 70 DG	oz	6.04
Duet	pt	6.03	Select Max	pt	15.01
Engenia	oz	1.06	Sencor/Tricor.Metrib	lb	10.53
Enlist Duo	pt	6.89	Sequence	pt	7.72
Enlist One	pt	7.57	Sharpen	oz	7.46
Envive	oz	3.99	Sinister	pt	11.75
Envoke	oz	100.77	Sonic	oz	3.80
Facet L	pt	17.36	Stalwart	pt	6.39
Fierce	oz	7.75	Stam 80 EDF	lb	9.45
Fierce XLT	oz	4.74	Stam M4	qt	7.85
Finesse	oz	15.75	Staple LX	oz	8.28
Firestorm	pt	3.44	Storm	pt	12.97
First Rate	oz	34.50	Strada	oz	7.34
Flexstar	pt	8.98	Strada Pro	oz	7.49
Flexstar GT	pt	6.75	Strada XT2	oz	3.26
Fusilade DX	oz	1.06	Superwham	qt	9.39
Gambit	oz	18.07	Suprend	lb	13.52
Glyphosate 3lbs a.e	pt	1.85	SureStart II	oz	0.45
Glyphosate 3lbs a.e	oz	0.12	Surveil	oz	6.70
Goal 2XL	pt	8.40	Synchrony XP	oz	12.00
Gramoxone SL 2.0	oz	0.32	Tavium	gal	76.16
Grandstand R	pt	21.42	Tempest	pt	27.52
Grasp	oz	13.56	Touchdown Total	qt	10.21
Grasp Xtra	oz	1.72	Treflan	pt	3.65
Halex GT	pt	6.11			
Halomax	oz	21.28			

(continued)

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

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

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

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

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

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

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

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

Crop	unit	Futures Contract Month	Futures Contract Price[a]	Basis[b]	Forward Contract Price[c]	Loan Rate[d]	Budget Price[e]
Corn	bu	Dec '25	4.57	-0.08	4.49	2.35	4.49
Cotton Lint	lb	Dec '25	0.7352	-0.0151	0.7201	0.52	0.7201
Cottonseed	lb						0.11[f]
Grain Sorghum	bu				4.27	4.09	4.27
Peanuts	ton				475.00	354.89 5	475.00
Soybeans	bu	Nov '25	10.88	-0.01	10.87	6.41	10.87
Rice	bu	Nov '25	6.16	-0.16	5.44	3.21	6.00
Wheat	bu	Jul '25	6.41	-0.14	6.27	3.60	6.27

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

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

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

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

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

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

Appendix Table 8 Estimated costs for field operations, per acre
Contour levee rice flood irrigation system
80-acre system, 33 ac-in., Delta Area, Mississippi, 2025

OPERATION/	SIZE/	DIRECT COST							FIXED	TOTAL
OPERATING INPUT	UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	COST	COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.45		0.02	0.47		0.47
Build Outside Levee										
Levee Pull (1m/80a)	8 blade		0.40	0.15	0.30		0.04	0.89	1.10	1.99
Survey & Mark Levees	acre	4.50					0.19	4.69		4.69
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		1.07	0.40	0.80		0.09	2.36	2.95	5.31
Butt Levees										
Blade-Box	6'-7'		0.50	0.16	0.37		0.04	1.07	1.07	2.14
IRRIGATE LABOR	hour				0.68		0.03	0.71		0.71
Install Gates										
IRRIGATE LABOR	hour				2.72		0.11	2.83		2.83
Apply Water										
IRRIGATE LABOR	hour				6.80		0.28	7.08		7.08
Apply Water										
IRRIGATE LABOR	hour				6.80		0.23	7.03		7.03
Apply Water										
IRRIGATE LABOR	hour				6.80		0.19	6.99		6.99
Apply Water										
IRRIGATE LABOR	hour				6.80		0.14	6.94		6.94
Remove Gates										
IRRIGATE LABOR	hour				0.91		0.01	0.92		0.92
Tear Down Levees										
Levee Splitter (1/80	32"		0.83	0.29	0.62		0.02	1.76	2.16	3.92
Tear Down Levees										
Levee Splitter (1/80	32"		0.31	0.10	0.23		0.01	0.65	0.81	1.46
Land Forming ($113)	each								11.04	11.04
Levee Gates	each								0.70	0.70
Well & Pump, Flood	each			5.91			0.20	6.11	24.06	30.17
Engine, Rice CL, 75	each								23.64	23.64
May Irrigation	ac-in		13.98	1.53			0.64	16.15		16.15
June Irrigation	ac-in		20.97	2.29			0.80	24.06		24.06
July Irrigation	ac-in		20.97	2.29			0.64	23.90		23.90
August Irrigation	ac-in		20.97	2.29			0.48	23.74		23.74
TOTALS		4.50	80.00	15.41	34.28	0.00	4.16	138.35	67.53	205.88

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

Appendix Table 9 Estimated costs for field operations, per acre
Straight levee rice flood irrigation system
80-acre system, 27 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		DIRECT COST								
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.45		0.02	0.47		0.47
Survey & Mark Levees	acre	2.25					0.09	2.34		2.34
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.80	0.30	0.60		0.07	1.77	2.21	3.98
Butt Levees										
Blade-Box	6'-7'		0.50	0.16	0.37		0.04	1.07	1.07	2.14
IRRIGATE LABOR	hour				0.68		0.03	0.71		0.71
Install Gates										
IRRIGATE LABOR	hour				1.36		0.06	1.42		1.42
Apply Water										
IRRIGATE LABOR	hour				4.53		0.19	4.72		4.72
Apply Water										
IRRIGATE LABOR	hour				4.53		0.16	4.69		4.69
Apply Water										
IRRIGATE LABOR	hour				4.53		0.12	4.65		4.65
Apply Water										
IRRIGATE LABOR	hour				4.53		0.09	4.62		4.62
Remove Gates										
IRRIGATE LABOR	hour				0.91		0.01	0.92		0.92
Tear Down Levees										
Levee Splitter (1/80	32"		0.63	0.22	0.47		0.02	1.34	1.61	2.95
Land Forming ($450)	each								43.97	43.97
Levee Gates	each								0.70	0.70
Well & Pump, Flood	each			5.91			0.20	6.11	24.06	30.17
Engine, Rice SL, 75	each								23.64	23.64
May Irrigation	ac-in		13.98	1.86			0.65	16.49		16.49
June Irrigation	ac-in		16.31	2.18			0.64	19.13		19.13
July Irrigation	ac-in		16.31	2.18			0.51	19.00		19.00
August Irrigation	ac-in		16.31	2.18			0.38	18.87		18.87
TOTALS		2.25	64.84	14.99	22.96	0.00	3.28	108.32	97.26	205.58

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

Appendix Table 10 Estimated costs for field operations, per acre
Straight levee rice multi inlet flood irrigation system
80-acre system, 23 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.45		0.02	0.47		0.47
Survey & Mark Levees	acre	2.25					0.09	2.34		2.34
Build Inside Levees										
Levee Pull (1m/80a)	8 blade		0.80	0.30	0.60		0.07	1.77	2.21	3.98
Butt Levees										
Blade-Box	6'-7'		0.50	0.16	0.37		0.04	1.07	1.07	2.14
IRRIGATE LABOR	hour				0.68		0.03	0.71		0.71
Ditcher (1m/160a)			0.23	0.09	0.18		0.02	0.52	0.53	1.05
Roll-Out Pipe	ft	7.92					0.33	8.25		8.25
Lay Roll-out Pipe										
Pipe Spool 160ac	1/4m roll		0.31	0.13	0.46		0.04	0.94	1.31	2.25
Install Gates										
IRRIGATE LABOR	hour				1.36		0.06	1.42		1.42
Apply Water										
IRRIGATE LABOR	hour				1.81		0.07	1.88		1.88
Apply Water										
IRRIGATE LABOR	hour				1.81		0.06	1.87		1.87
Apply Water										
IRRIGATE LABOR	hour				1.81		0.05	1.86		1.86
Apply Water										
IRRIGATE LABOR	hour				1.81		0.04	1.85		1.85
Remove Gates										
IRRIGATE LABOR	hour				0.45		0.01	0.46		0.46
Tear Down Levees										
Levee Splitter (1/80	32"		0.63	0.22	0.47		0.02	1.34	1.61	2.95
Pick Up Pipe										
Pipe Spool 160ac	1/4m roll		0.16	0.06	0.23		0.01	0.46	0.66	1.12
Land Forming ($450)	each								43.97	43.97
Levee Gates	each								0.35	0.35
Well & Pump, Flood	each			5.91			0.20	6.11	24.06	30.17
Engine, Mult In Rice	each								23.64	23.64
May Irrigation	ac-in		11.65	1.75			0.55	13.95		13.95
June Irrigation	ac-in		13.98	2.10			0.55	16.63		16.63
July Irrigation	ac-in		13.98	2.10			0.44	16.52		16.52
August Irrigation	ac-in		13.98	2.10			0.33	16.41		16.41
TOTALS		10.17	56.22	14.92	12.49	0.00	3.03	96.83	99.41	196.24

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

Appendix Table 11 Estimated costs for field operations, per acre
Straight levee rice - zero grade flood irrigation
80-acre system, 19 ac-in., Delta Area, Mississippi, 2025

OPERATION/ OPERATING INPUT	SIZE/ UNIT	DIRECT COST OP INPUT	FUEL	R&M	LABOR	LEASE	INTER	TOTAL	FIXED COST	TOTAL COST
		dollars								
Set Up Engine										
IRRIGATE LABOR	hour				0.45		0.02	0.47		0.47
Apply Water										
IRRIGATE LABOR	hour				2.27		0.09	2.36		2.36
Apply Water										
IRRIGATE LABOR	hour				2.27		0.08	2.35		2.35
Apply Water										
IRRIGATE LABOR	hour				2.27		0.06	2.33		2.33
Apply Water										
IRRIGATE LABOR	hour				2.27		0.05	2.32		2.32
Land Forming ($450)	each								43.97	43.97
Well & Pump, Flood	each			5.91			0.20	6.11	24.06	30.17
Engine, Rice SL, 75	each								23.64	23.64
May Irrigation	ac-in		9.32	1.24			0.44	11.00		11.00
June Irrigation	ac-in		11.65	1.55			0.45	13.65		13.65
July Irrigation	ac-in		11.65	1.55			0.36	13.56		13.56
August Irrigation	ac-in		11.65	1.55			0.27	13.47		13.47
TOTALS		0.00	44.27	11.80	9.53	0.00	2.02	67.62	91.67	159.29

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

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