Department of Agricultural and Resource Economics

FIELD CROP BUDGETS FOR 2025

January 2025

S. Aaron Smith
Professor

Becky G. Bowling
UT Extension Specialist

Contributors

Sebe Anthony Brown
Assistant Professor, Department of Entomology and Plant Pathology

Tori Marshall Griffin
UT Extension Specialist

Jake McNeal
Assistant Professor, Department of Plant Sciences

Logan Meeks
UT Extension Specialist

Danny Morris
Assistant Professor, Department of Agricultural Economics, UTM

Tyson Raper
Associate Professor, Department of Plant Sciences

Avat Shekoofa
Associate Professor, Department of Plant Sciences

Larry Steckel
Professor, Department of Plant Sciences

Heather Young-Kelly
Professor, Department of Entomology and Plant Pathology

TABLE OF CONTENTS

Introduction and Disclaimer

The 2025 Tennessee Field Crop Budgets were developed to assist producers and other agricultural decision-makers in evaluating the returns of different row cropping alternatives. The budgets use production alternatives, management strategies, machinery and inputs that are commonly utilized in row-crop production in Tennessee. Given the diverse nature of row-crop production in the state, it is impossible to account for all possible production scenarios and circumstances. As such, this guide should be utilized to assist decision-makers in their annual planning efforts. To develop a custom budget for a specific field or operation, interested parties are strongly encouraged to use University of Tennessee Extension's Excel-based spreadsheet available online at arec.tennessee.edu/extension/budgets/. The spreadsheet uses the same format as the budgets contained in this document; however, it allows the user to change yields, input quantities, input prices, machinery costs and add additional costs that are specific to a field or enterprise. This allows users to adjust for region- and site-specific production methods and input selections.

This publication and the accompanying Excel spreadsheet contain short-term planning budgets for corn, cotton, soybean and wheat enterprises. These budgets should be used for short-run or annual plans developed for 2025, as significant changes may occur from year to year in production methods and input and output prices.

The fertilizer recommendations in the crop budgets are generally for soils that have a medium soil test. Farmers should have their soils tested in order to get maximum return for money spent for fertilizer. As crop programs are planned, the fertilizer applications can be adjusted to the soil test recommendations.

Disclaimer: Significant variability in inputs, prices and production methods exist in the production of row crops. The information contained in this document relies on estimates and assumptions that are specific to Tennessee row-crop production. These budgets should not be construed as a reflection of all circumstances across the state, as significant regional variability will occur. To improve the accuracy, users are encouraged to use inputs, prices and processes that are utilized on their specific farms in budget calculations.

Trade Names, Herbicides, Insecticides and Pesticide Caution

Use of trade or brand names in this publication is for clarity and information: It does not imply approval of the product to the exclusion of others that may be of similar, suitable composition, nor does it guarantee or warrant the standard of the product.

The herbicide and insecticide programs used in these budgets are based on UT Extension publications titled "2025 Weed Control Manual for Tennessee" (PB 1580) and "2025 Insect Control Recommendations for Field Crops" (PB 1928). Pesticides recommended in the publication were registered for the prescribed uses when this manual was printed. Pesticide registrations are continuously being reviewed. Should registration of a recommended pesticide be canceled, it will no longer be recommended by the University of Tennessee.

In order to protect people and the environment, pesticides should be used safely. This is everyone's responsibility, especially the user. Read and follow label directions carefully before you buy, mix, apply, store or dispose of a pesticide. According to laws regulating pesticides, they must be used only as directed by the label.

No direct government program benefits are included in the budgets. Adjust payment estimates as appropriate for your enterprise.

For additional information on the 2025 Tennessee Field Crop Budgets please contact:

Aaron Smith
Professor
Department of Agricultural and Resource Economics
2621 Morgan Circle
325B Morgan Hall
Knoxville, TN 37996
Ph: 865-974-7476
Email:
aaron.smith@tennessee.edu

Or

Becky Bowling
Extension Specialist
Department of Agricultural and Resource Economics
2621 Morgan Circle
307C Morgan Hall
Knoxville, TN 37996
Ph: 865-974-7016
Email:
bowling10@tennessee.edu

2025 Corn, No-Till, Non-Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
Revenue [1]			Gross Revenue ($/Acre)		
Corn	Bu/acre	175	$4.60	$805.00	__________
Government Payments	$/acre	1	$0.00	$0.00	__________
Other Revenue	$/acre	1	$0.00	$0.00	__________
			Total Revenue	**$805.00**	__________
Variable Expenses					
Seed[2]	Thous.	32	$3.88	$124.16	__________
Fertilizer & Lime (Table 1)	Acre	1	$208.15	$208.15	__________
Chemical (Table 2)	Acre	1	$72.27	$72.27	__________
Crop Scout or Consultant	Acre	1	$10.00	$10.00	__________
Repair & Maintenance (Table 3)	Acre	1	$45.98	$45.98	__________
Fuel, Oil & Filter (Table 3)	Acre	1	$22.09	$22.09	__________
Operator Labor (Table 3)	Acre	1	$13.98	$13.98	__________
Crop Insurance[6]	Acre	1	$16.66	$16.66	__________
Machinery Rental	Acre	1	$0.00	$0.00	__________
Custom Work	Acre	1	$0.00	$0.00	__________
Drying (Fuel/Electric)	Bu	175	$0.00	$0.00	__________
Other	Acre	1	$0.00	$0.00	__________
Other	Acre	1	$0.00	$0.00	__________
Operating Interest [7]	%	$513.28	8.00%	$20.53	__________
			Total Variable Expenses	**$533.81**	__________
			Return Above Variable Expenses	**$271.19**	__________
Fixed Expenses					
Machinery					
Capital Recovery (Table 3)	Acre	1	$121.63	$121.63	__________
Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	__________
General Overhead	Acre	1	$20.00	$20.00	__________
Cash Rent[8]	Acre	1	$117.00	$117.00	__________
Insurance (Non-Machinery)	Acre	1	$0.00	$0.00	__________
Management Labor[10]	Acre	1	$25.00	$25.00	__________
Other	Acre	1	$0.00	$0.00	__________
			Total Fixed Expenses	**$283.63**	__________
			Total Expenses	**$817.45**	__________
			Return Above Specified Expenses	**-$12.45**	__________
			Cash Cost per Bushel	**$3.83**	__________
			Economic Cost per Bushel	**$4.67**	__________

Breakeven Price for Selected Yield

Yield (bu)	Variable Cost ($/bu)	Total Specified Cost ($/bu)
125	$4.27	$6.54
135	$3.95	$6.06
145	$3.68	$5.64
155	$3.44	$5.27
165	$3.24	$4.95
175	**$3.05**	**$4.67**
185	$2.89	$4.42
195	$2.74	$4.19
205	$2.60	$3.99
215	$2.48	$3.80
225	$2.37	$3.63

Breakeven Yield for Selected Price

Price ($/bu)	Variable Cost (bu)	Total Specified Cost (bu)
$3.35	159	244
$3.60	148	227
$3.85	139	212
$4.10	130	199
$4.35	123	188
$4.60	**116**	**178**
$4.85	110	169
$5.10	105	160
$5.35	100	153
$5.60	95	146
$5.85	91	140

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen	Urea - Planting	60	$0.52	$31.20	_________
	UAN 32 - Side dress	120	$0.54	$64.80	_________
Phosphorous	P_2O_5	70	$0.66	$46.20	_________
Potassium	K_20	70	$0.36	$25.20	_________
Zinc Sulfate		15	$1.67	$25.05	_________
Boron		1	$0.70	$0.70	_________
Lime		1,000	$30.00	$15.00	_________
Other		0	$0.00	$0.00	_________
Other		0	$0.00	$0.00	_________
Total				$208.15	_________

Table 2. Chemicals[4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides	Burndown	Roundup PowerMax	oz.	1	32	$0.44	$14.00	_________
	Pre-Emerge	Atrazine	qt.	1	1.5	$3.38	$5.07	_________
		Other		0	0	$0.00	$0.00	_________
	Post-Emerge	Halex GT	pt.	1	3.6	$9.95	$35.82	_________
		Atrazine	qt.	1	1	$3.38	$3.38	_________
		Other		0	0.0	$0.00	$0.00	_________
	Harvest Aid	Roundup PowerMax		1	32	$0.44	$14.00	_________
		Other		0	0	$0.00	$0.00	_________
Insecticides		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
Fungicides		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
Total							$72.27	_________

Table 3. Machinery[5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Burndown	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Plant	Tractor, 215 hp	Planter	16-row	$15.97	$2.88	$2.32	$1.59	$22.75	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Harvest	Combine	Corn Head	8-row	$37.73	$35.05	$8.61	$3.27	$84.66	_________
Haul	Tractor, 215 hp	Grain Cart	800 bu	$7.02	$0.84	$1.51	$1.03	$10.39	_________
Haul	Semi Tractor/Trailer			$7.68	$1.25	$0.79	$1.76	$11.48	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Total				$121.63	$45.98	$22.09	$13.98	$203.67	_________

2025 Corn, Conventional Tillage, Non-Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
Revenue [1]			Gross Revenue ($/Acre)		
Corn	Bu/acre	175	$4.60	$805.00	__________
Government Payments	$/acre	1	$0.00	$0.00	__________
Other Revenue	$/acre	1	$0.00	$0.00	__________
			Total Revenue	**$805.00**	__________
Variable Expenses					
Seed[2]	Thous.	32	$3.88	$124.16	__________
Fertilizer & Lime (Table 1)	Acre	1	$208.15	$208.15	__________
Chemical (Table 2)	Acre	1	$54.27	$54.27	__________
Crop Scout or Consultant	Acre	1	$10.00	$10.00	__________
Repair & Maintenance (Table 3)	Acre	1	$51.47	$51.47	__________
Fuel, Oil & Filter (Table 3)	Acre	1	$30.65	$30.65	__________
Operator Labor (Table 3)	Acre	1	$19.77	$19.77	__________
Crop Insurance[6]	Acre	1	$16.66	$16.66	__________
Machinery Rental	Acre	1	$0.00	$0.00	__________
Custom Work	Acre	1	$0.00	$0.00	__________
Drying (Fuel/Electric)	Bu	175	$0.00	$0.00	__________
Other	Acre	1	$0.00	$0.00	__________
Other	Acre	1	$0.00	$0.00	__________
Operating Interest [7]	%	$515.14	8.00%	$20.61	__________
			Total Variable Expenses	**$535.74**	__________
			Return Above Variable Expenses	**$269.26**	__________
Fixed Expenses					
Machinery					
Capital Recovery (Table 3)	Acre	1	$138.02	$138.02	__________
Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	__________
General Overhead	Acre	1	$20.00	$20.00	__________
Cash Rent[8]	Acre	1	$117.00	$117.00	__________
Insurance (Non-Machinery)	Acre	1	$0.00	$0.00	__________
Management Labor[10]	Acre	1	$25.00	$25.00	__________
Other	Acre	1	$0.00	$0.00	__________
			Total Fixed Expenses	**$300.02**	__________
			Total Expenses	**$835.76**	__________
			Return Above Specified Expenses	**-$30.76**	__________
			Cash Cost per Bushel	**$3.84**	__________
			Economic Cost per Bushel	**$4.78**	__________

Breakeven Price for Selected Yield

Yield (bu)	Variable Cost ($/bu)	Total Specified Cost ($/bu)
125	$4.29	$6.69
135	$3.97	$6.19
145	$3.69	$5.76
155	$3.46	$5.39
165	$3.25	$5.07
175	**$3.06**	**$4.78**
185	$2.90	$4.52
195	$2.75	$4.29
205	$2.61	$4.08
215	$2.49	$3.89
225	$2.38	$3.71

Breakeven Yield for Selected Price

Price ($/bu)	Variable Cost (bu)	Total Specified Cost (bu)
$3.35	160	249
$3.60	149	232
$3.85	139	217
$4.10	131	204
$4.35	123	192
$4.60	**116**	**182**
$4.85	110	172
$5.10	105	164
$5.35	100	156
$5.60	96	149
$5.85	92	143

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen	Urea - Planting	60	$0.52	$31.20	_________
	UAN 32 - Side dress	120	$0.54	$64.80	_________
Phosphorous	P_2O_5	70	$0.66	$46.20	_________
Potassium	K_20	70	$0.36	$25.20	_________
Zinc Sulfate		15	$1.67	$25.05	_________
Boron		1	$0.70	$0.70	_________
Lime		1,000	$30.00	$15.00	_________
Other		0	$0.00	$0.00	_________
Other		0	$0.00	$0.00	_________
Total				$208.15	_________

Table 2. Chemicals[4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides	Pre-Emerge	Atrazine	qt.	1	1	$3.38	$3.38	_________
		Other		0	0	$0.00	$0.00	_________
	Post-Emerge	Halex GT	pt.	1	3.6	$9.95	$35.82	_________
		Atrazine	qt.	1	1.5	$3.38	$5.07	_________
		Other		0	0.0	$0.00	$0.00	_________
	Harvest Aid	Gramoxone SL		1	32	$0.31	$10.00	_________
		Other		0	0	$0.00	$0.00	_________
Insecticides		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
Fungicides		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
Total							$54.27	_________

Table 3. Machinery[5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Chisel	Tractor, 215 hp	Chisel Plow	21'	$6.95	$2.03	$3.38	$2.31	$14.67	_________
Disk	Tractor, 215 hp	Tandem Disk	29'	$11.60	$2.02	$2.72	$1.86	$18.19	_________
Prepare Seedbed	Tractor, 215 hp	Do-All	26.5'	$7.32	$1.74	$2.84	$1.95	$13.84	_________
Plant	Tractor, 215 hp	Planter	16-row	$15.97	$2.88	$2.32	$1.59	$22.75	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Harvest	Combine	Corn Head	8-row	$37.73	$35.05	$8.61	$3.27	$84.66	_________
Haul	Tractor, 215 hp	Grain Cart	800 bu	$7.02	$0.84	$1.51	$1.03	$10.39	_________
Haul	Semi Tractor/Trailer			$7.68	$1.25	$0.79	$1.76	$11.48	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Total				$138.02	$51.47	$30.65	$19.77	$239.92	_________

2025 Corn, No-Till, Irrigated Budget

		Unit	Quantity	Price	Total	Your Farm
Revenue [1]				Gross Revenue ($/Acre)		
	Corn	Bu/acre	250	$4.60	$1,150.00	________
	Government Payments	$/acre	1	$0.00	$0.00	________
	Other Revenue	$/acre	1	$0.00	$0.00	________
				Total Revenue	**$1,150.00**	________
Variable Expenses						
	Seed[2]	Thous.	36.5	$3.88	$141.62	________
	Fertilizer & Lime (Table 1)	Acre	1	$260.55	$260.55	________
	Chemical (Table 2)	Acre	1	$72.27	$72.27	________
	Crop Scout or Consultant	Acre	1	$10.00	$10.00	________
	Repair & Maintenance (Table 3)	Acre	1	$46.48	$46.48	________
	Fuel, Oil & Filter (Table 3)	Acre	1	$22.40	$22.40	________
	Operator Labor (Table 3)	Acre	1	$14.68	$14.68	________
	Crop Insurance[6]	Acre	1	$16.66	$16.66	________
	Machinery Rental	Acre	1	$0.00	$0.00	________
	Custom Work	Acre	1	$0.00	$0.00	________
	Drying (Fuel/Electric)	Bu	250	$0.00	$0.00	________
	Irrigation Energy Cost[9]	Ac-in	9	$6.75	$60.75	________
	Irrigation System R&M & Labor[9]	Ac-in	9	$3.00	$27.00	________
	Other Irrigation Costs	Acre	1	$0.00	$0.00	________
	Other	Acre	1	$0.00	$0.00	________
	Other	Acre	1	$0.00	$0.00	________
	Operating Interest[7]	%	$672.40	8.00%	$26.90	________
				Total Variable Expenses	**$699.30**	________
				Return Above Variable Expenses	**$450.70**	________
Fixed Expenses						
	Machinery					
	Capital Recovery (Table 3)	Acre	1	$124.68	$124.68	________
	Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	________
	Capital Recovery (Irrigation Equipment)[9]	Acre	1	$100.00	$100.00	________
	Other Fixed Irrigation Costs	Acre	1	$0.00	$0.00	________
	General Overhead	Acre	1	$25.00	$25.00	________
	Cash Rent[8]	Acre	1	$197.00	$197.00	________
	Insurance (Non-Machinery)	Acre	1	$0.00	$0.00	________
	Management Labor[10]	Acre	1	$25.00	$50.00	________
	Other	Acre	1	$0.00	$0.00	________
				Total Fixed Expenses	**$496.68**	________
				Total Expenses	**$1,195.98**	________
				Return Above Specified Expenses	**-$45.98**	________
				Cash Cost per Bushel	**$3.69**	________
				Economic Cost per Bushel	**$4.78**	________

Breakeven Price for Selected Yield

Yield (bu)	Variable Cost ($/bu)	Total Specified Cost ($/bu)
200	$3.50	$5.98
210	$3.33	$5.70
220	$3.18	$5.44
230	$3.04	$5.20
240	$2.91	$4.98
250	**$2.80**	**$4.78**
260	$2.69	$4.60
270	$2.59	$4.43
280	$2.50	$4.27
290	$2.41	$4.12
300	$2.33	$3.99

Breakeven Yield for Selected Price

Price ($/bu)	Variable Cost (bu)	Total Specified Cost (bu)
$3.35	209	357
$3.60	194	332
$3.85	182	311
$4.10	171	292
$4.35	161	275
$4.60	**152**	**260**
$4.85	144	247
$5.10	137	235
$5.35	131	224
$5.60	125	214
$5.85	120	204

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen	Urea - Planting	80	$0.52	$41.60	_________
	UAN 32 - Side dress	160	$0.54	$86.40	_________
Phosphorous	P_2O_5	90	$0.66	$59.40	_________
Potassium	K_20	90	$0.36	$32.40	_________
Zinc Sulfate		15	$1.67	$25.05	_________
Boron		1	$0.70	$0.70	_________
Lime		1,000	$30.00	$15.00	_________
Other		0	$0.00	$0.00	_________
Other		0	$0.00	$0.00	_________
Total				$260.55	_________

Table 2. Chemicals[4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides	Burndown	Roundup PowerMa	oz.	1	32	$0.44	$14.00	_________
	Pre-Emerge	Atrazine	qt.	1	1.5	$3.38	$5.07	_________
		Other		0	0	$0.00	$0.00	_________
	Post-Emerge	Halex GT	pt.	1	3.6	$9.95	$35.82	_________
		Atrazine	qt.	1	1	$3.38	$3.38	_________
		Other		0	0.0	$0.00	$0.00	_________
	Harvest Aid	Roundup PowerMax		1	32	$0.44	$14.00	_________
		Other		0	0	$0.00	$0.00	_________
Insecticides		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
Fungicides		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
Total							$72.27	_________

Table 3. Machinery[5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Burndown	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Plant	Tractor, 215 hp	Planter	16-row	$15.97	$2.88	$2.32	$1.59	$22.75	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Harvest	Combine	Corn Head	8-row	$37.73	$35.05	$8.61	$3.27	$84.66	_________
Haul	Tractor, 215 hp	Grain Cart	800 bu	$7.02	$0.84	$1.51	$1.03	$10.39	_________
Haul	Semi Tractor/Trailer			$10.73	$1.75	$1.10	$2.46	$16.04	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Total				$124.68	$46.48	$22.40	$14.68	$208.24	_________

2025 Soybean, No-Till, Non-Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
Revenue [1]				**Gross Revenue ($/Acre)**	
Soybeans	Bu/acre	50	$10.40	$520.00	________
Government Payments	$/acre	1	$0.00	$0.00	________
Other Revenue	$/acre	1	$0.00	$0.00	________
			Total Revenue	**$520.00**	________
Variable Expenses					
Seed[2]	Thous.	140	$0.46	$64.40	________
Fertilizer & Lime (Table 1)	Acre	1	$57.10	$57.10	________
Chemical (Table 2)	Acre	1	$104.71	$104.71	________
Crop Scout or Consultant	Acre	1	$10.00	$10.00	________
Repair & Maintenance (Table 3)	Acre	1	$33.13	$33.13	________
Fuel, Oil & Filter (Table 3)	Acre	1	$14.85	$14.85	________
Operator Labor (Table 3)	Acre	1	$8.90	$8.90	________
Crop Insurance[6]	Acre	1	$10.02	$10.02	________
Machinery Rental	Acre	0	$0.00	$0.00	________
Custom Work	Acre	0	$0.00	$0.00	________
Drying (Fuel/Electric)	Bu	50	$0.00	$0.00	________
Other	Acre	1	$0.00	$0.00	________
Other	Acre	1	$0.00	$0.00	________
Operating Interest[7]	%	$303.11	8.00%	$12.12	________
			Total Variable Expenses	**$315.23**	________
			Return Above Variable Expenses	**$204.77**	________
Fixed Expenses					
Machinery					________
Capital Recovery (Table 3)	Acre	1	$109.41	$109.41	________
Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	________
General Overhead	Acre	1	$20.00	$20.00	________
Cash Rent[8]	Acre	1	$117.00	$117.00	________
Insurance (Non-Machinery)	Acre	1	$0.00	$0.00	________
Management Labor[10]	Acre	1	$25.00	$25.00	________
Other	Acre	1	$0.00	$0.00	________
			Total Fixed Expenses	**$271.41**	________
			Total Expenses	**$586.64**	________
			Return Above Specified Expenses	**-$66.64**	________
			Cash Cost per Bushel	**$9.04**	________
			Economic Cost per Bushel	**$11.73**	________

Breakeven Price for Selected Yield

Yield (bu)	Variable Cost ($/bu)	Total Specified Cost ($/bu)
30	$10.51	$19.55
35	$9.01	$16.76
40	$7.88	$14.67
45	$7.01	$13.04
50	**$6.30**	**$11.73**
55	$5.73	$10.67
60	$5.25	$9.78
65	$4.85	$9.03
70	$4.50	$8.38

Breakeven Yield for Selected Price

Price ($/bu)	Variable Cost (bu)	Total Specified Cost (bu)
$8.40	38	70
$8.90	35	66
$9.40	34	62
$9.90	32	59
$10.40	**30**	**56**
$10.90	29	54
$11.40	28	51
$11.90	26	49
$12.40	25	47

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen		0	$0.52	$0.00	_________
Phosphorous	P_2O_5	30	$0.66	$19.80	_________
Potassium	K_20	60	$0.36	$21.60	_________
Lime		1,000	$30.00	$15.00	_________
Boron		1	$0.70	$0.70	_________
Other		0	$0.00	$0.00	_________
Other		0	$0.00	$0.00	_________
Total				$57.10	_________

Table 2. Chemicals[4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides	Burndown	Roundup PowerMax	oz.	1	35	$0.44	$15.31	_________
	Pre-Emerge	Sequence	pt.	1	3	$8.50	$25.50	_________
		Other		0	0	$0.00	$0.00	_________
	Post-Emerge	Roundup PowerMax	oz.	1	32	$0.66	$21.25	_________
		Flexstar	pt.	1	1	$7.65	$7.65	_________
		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
Insecticides		Foliar	acre	1	1	$20.00	$20.00	_________
Fungicides		Foliar	acre	1	1	$15.00	$15.00	_________
		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
Total							$104.71	_________

Table 3. Machinery[5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Burndown	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Plant	Tractor, 215 hp	Planter	16-row	$15.97	$2.88	$2.32	$1.59	$22.75	_________
Pre-Emerge	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Post-Emerge	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Post-Emerge	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fungicide	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Harvest	Combine	Grain Head	30'	$28.00	$26.03	$6.46	$2.46	$62.93	_________
Haul	Tractor, 215 hp	Grain Cart	800 bu	$7.02	$0.84	$1.51	$1.03	$10.39	_________
Haul	Semi Tractor/Trailer			$5.91	$0.32	$0.25	$0.55	$7.03	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Total				$109.41	$33.13	$14.85	$8.90	$166.28	_________

2025 Soybean, No-Till, Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
Revenue [1]			Gross Revenue ($/Acre)		
Soybeans	Bu/acre	65	$10.40	$676.00	________
Government Payments	$/acre	1	$0.00	$0.00	________
Other Revenue	$/acre	1	$0.00	$0.00	________
			Total Revenue	**$676.00**	________
Variable Expenses					
Seed[2]	Thous.	150	$0.46	$69.00	________
Fertilizer & Lime (Table 1)	Acre	1	$70.90	$70.90	________
Chemical (Table 2)	Acre	1	$104.71	$104.71	________
Crop Scout or Consultant	Acre	1	$10.00	$10.00	________
Repair & Maintenance (Table 3)	Acre	1	$33.26	$33.26	________
Fuel, Oil & Filter (Table 3)	Acre	1	$14.95	$14.95	________
Operator Labor (Table 3)	Acre	1	$9.13	$9.13	________
Crop Insurance[6]	Acre	1	$10.02	$10.02	________
Machinery Rental	Acre	0	$0.00	$0.00	________
Custom Work	Acre	0	$0.00	$0.00	________
Drying (Fuel/Electric)	Bu	65	$0.00	$0.00	________
Irrigation Energy Cost[9]	Ac-In	4.5	$6.75	$30.38	________
Irrigation System R&M & Labor[9]	Ac-In	4.5	$3.00	$13.50	________
Other Irrigation Costs	Acre	1	$0.00	$0.00	________
Other	Acre	1	$0.00	$0.00	________
Other	Acre	1	$0.00	$0.00	________
Operating Interest[7]	%	$365.84	8.00%	$14.63	________
			Total Variable Expenses	**$380.48**	________
			Return Above Variable Expenses	**$295.52**	________
Fixed Expenses					
Machinery					
Capital Recovery (Table 3)	Acre	1	$111.85	$111.85	________
Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	________
Capital Recovery (Irrigation Equipment)[9]	Acre	1	$100.00	$100.00	________
Other Irrigation Costs	Acre	1	$0.00	$0.00	________
General Overhead	Acre	1	$20.00	$20.00	________
Cash Rent[8]	Acre	1	$197.00	$197.00	________
Insurance (Non-Machinery)	Acre	1	$0.00	$0.00	________
Management Labor[10]	Acre	1	$25.00	$50.00	________
Other	Acre	1	$0.00	$0.00	________
			Total Fixed Expenses	**$478.85**	________
			Total Expenses	**$859.33**	________
			Return Above Specified Expenses	**-$183.33**	________
			Cash Cost per Bushel	**$9.19**	________
			Economic Cost per Bushel	**$13.22**	________

Breakeven Price for Selected Yield

Yield (bu)	Variable Cost ($/bu)	Total Specified Cost ($/bu)
45	$8.46	$19.10
50	$7.61	$17.19
55	$6.92	$15.62
60	$6.34	$14.32
65	**$5.85**	**$13.22**
70	$5.44	$12.28
75	$5.07	$11.46
80	$4.76	$10.74
85	$4.48	$10.11

Breakeven Yield for Selected Price

Price ($/bu)	Variable Cost (bu)	Total Specified Cost (bu)
$8.40	45	102
$8.90	43	97
$9.40	40	91
$9.90	38	87
$10.40	**37**	**83**
$10.90	35	79
$11.40	33	75
$11.90	32	72
$12.40	31	69

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen	Urea	0	$0.52	$0.00	________
Phosphorous	P_2O_5	40	$0.66	$26.40	________
Potassium	K_20	80	$0.36	$28.80	________
Lime	Limestone	1,000	$30.00	$15.00	________
Boron		1	$0.70	$0.70	________
Other		0	$0.00	$0.00	________
Other		0	$0.00	$0.00	________
Total				$70.90	________

Table 2. Chemicals[4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides	Burndown	Roundup PowerMax	oz.	1	35	$0.44	$15.31	________
	Pre-Emerge	Sequence	pt.	1	3	$8.50	$25.50	________
		Other	qt.	0	0	$0.00	$0.00	________
	Post-Emerge	Roundup PowerMax	oz.	1	32	$0.66	$21.25	________
		Flexstar	pt.	1	1	$7.65	$7.65	________
		Other		0	0	$0.00	$0.00	________
		Other		0	0	$0.00	$0.00	________
Insecticides		Foliar	acre	1	1	$20.00	$20.00	________
Fungicides		Foliar	acre	1	1	$15.00	$15.00	________
		Other		0	0	$0.00	$0.00	________
		Other		0	0	$0.00	$0.00	________
		Other		0	0	$0.00	$0.00	________
		Other		0	0	$0.00	$0.00	________
		Other		0	0	$0.00	$0.00	________
Total							$104.71	________

Table 3. Machinery[5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Burndown	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	________
Plant	Tractor, 215 hp	Planter	16-row	$15.97	$2.88	$2.32	$1.59	$22.75	________
Pre-Emerge	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Post-Emerge	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Post-Emerge	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Fungicide	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Harvest	Combine	Grain Head	30'	$28.00	$26.03	$6.46	$2.46	$62.93	________
Haul	Tractor, 215 hp	Grain Cart	800 bu	$7.02	$0.84	$1.51	$1.03	$10.39	________
Haul	Semi Tractor/Trailer			$8.35	$0.45	$0.35	$0.78	$9.93	________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	________
Total				$111.85	$33.26	$14.95	$9.13	$169.18	________

2025 Winter Wheat, Non-Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
***Revenue* [1]**			**Gross Revenue ($/Acre)**		
Wheat	Bu/acre	80	$5.85	$468.00	________
Government Payments	$/acre	1	$0.00	$0.00	________
Other Revenue	$/acre	1	$0.00	$0.00	________
			Total Revenue	**$468.00**	________
Variable Expenses					
Seed[2]	Bu	2.5	$17.00	$42.50	________
Fertilizer & Lime (Table 1)	Acre	1	$112.20	$112.20	________
Chemical (Table 2)	Acre	1	$55.54	$55.54	________
Crop Scout or Consultant	Acre	1	$10.00	$10.00	________
Repair & Maintenance (Table 3)	Acre	1	$36.96	$36.96	________
Fuel, Oil & Filter (Table 3)	Acre	1	$19.02	$19.02	________
Operator Labor (Table 3)	Acre	1	$11.84	$11.84	________
Crop Insurance[6]	Acre	1	$9.90	$9.90	________
Machinery Rental	Acre	0	$0.00	$0.00	________
Custom Work	Acre	0	$0.00	$0.00	________
Drying (Fuel/Electric)	Bu	80	$0.00	$0.00	________
Other	Acre	1	$0.00	$0.00	________
Other	Acre	1	$0.00	$0.00	________
Other	Acre	1	$0.00	$0.00	________
Operating Interest[7]	%	$297.96	8.00%	$11.92	________
			Total Variable Expenses	**$309.88**	________
			Return Above Variable Expenses	**$158.12**	________
Fixed Expenses					
Machinery					________
Capital Recovery (Table 3)	Acre	1	$101.80	$101.80	________
Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	________
General Overhead	Acre	1	$20.00	$20.00	________
Cash Rent[8]	Acre	1	$117.00	$117.00	________
Insurance (Non-Machinery)	Acre	1	$0.00	$0.00	________
Management Labor[10]	Acre	1	$25.00	$25.00	________
Other	Acre	1	$0.00	$0.00	________
			Total Fixed Expenses	**$263.80**	________
			Total Expenses	**$573.68**	________
			Return Above Specified Expenses	**-$105.68**	________
			Cash Cost per Bushel	**$5.59**	________
			Economic Cost per Bushel	**$7.17**	________

Breakeven Price for Selected Wheat Yield

Yield (bu)	Variable Cost ($/bu)	Total Specified Cost ($/bu)
60	$5.16	$9.56
65	$4.77	$8.83
70	$4.43	$8.20
75	$4.13	$7.65
80	**$3.87**	**$7.17**
85	$3.65	$6.75
90	$3.44	$6.37
95	$3.26	$6.04
100	$3.10	$5.74

Breakeven Yield for Selected Soybean Price

Price ($/bu)	Variable Cost (bu)	Total Specified Cost (bu)
$3.85	80	149
$4.35	71	132
$4.85	64	118
$5.35	58	107
$5.85	**53**	**98**
$6.35	49	90
$6.85	45	84
$7.35	42	78
$7.85	39	73

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen	Urea - Planting/Fall	15	$0.52	$7.80	_________
	UAN 32 - Post-Emerge/Spring	90	$0.54	$48.60	_________
Phosphorous	P_2O_5	40	$0.66	$26.40	_________
Potassium	K_20	40	$0.36	$14.40	_________
Lime		1,000	$30.00	$15.00	_________
Other		0	$0.00	$0.00	_________
Other		0	$0.00	$0.00	_________
Other		0	$0.00	$0.00	_________
Total				$112.20	_________

Table 2. Chemicals[4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides-	Burndown	Gramoxone SL	oz.	1	40	$0.31	$12.50	_________
Wheat		Other	qt.	0	0	$0.00	$0.00	_________
	Post-Emerge	Harmony	oz.	1	0.7	$14.03	$9.82	_________
		Metribuzin	oz.	1	3	$1.41	$4.22	_________
		Roundup PowerMax	oz.	1	32	$0.44	$14.00	_________
		Other		0	0	$0.00	$0.00	_________
Insecticides		Wheat-Foliar	acre	1	1	$5.00	$5.00	_________
Fungicide		Wheat-foliar	acre	1	1	$10.00	$10.00	_________
Other		Other		0	0	$0.00	$0.00	_________
Total							$55.54	_________

Table 3. Machinery[5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Burndown	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Plant	Tractor, 215 hp	Grain Drill	20'	$12.49	$5.29	$4.30	$2.95	$25.03	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fungicide	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Insect Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Harvest	Combine	Grain Head	30'	$28.00	$26.03	$6.46	$2.46	$62.93	_________
Haul	Tractor, 215 hp	Grain Cart		$7.02	$0.84	$1.51	$1.03	$10.39	_________
Haul	Semi Tractor/Trailer			$6.17	$0.43	$0.35	$0.77	$7.72	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Total				$101.80	$36.96	$19.02	$11.84	$169.63	_________

2025 Wheat/Soybean Double Cropped, Non-Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
Revenue [1]			Gross Revenue ($/Acre)		
Soybeans	Bu/acre	40	$10.40	$416.00	________
Wheat	Bu/acre	80	$5.85	$468.00	________
Government Payments	$/acre	1	$0.00	$0.00	________
Other Revenue	$/acre	1	$0.00	$0.00	________
			Total Revenue	**$884.00**	________
Variable Expenses					
Seed, Soybeans[2]	Thous.	140	$0.46	$64.40	________
Seed, Wheat[2]	Bu	2.5	$17.00	$42.50	________
Fertilizer & Lime (Table 1)	Acre	1	$133.30	$133.30	________
Chemical (Table 2)	Acre	1	$123.69	$123.69	________
Crop Scout or Consultant	Acre	1	$10.00	$10.00	________
Repair & Maintenance (Table 3)	Acre	1	$71.80	$71.80	________
Fuel, Oil & Filter (Table 3)	Acre	1	$36.22	$36.22	________
Operator Labor (Table 3)	Acre	1	$22.28	$22.28	________
Crop Insurance[6]	Acre	1	$19.92	$19.92	________
Machinery Rental	Acre	0	$0.00	$0.00	________
Custom Work	Acre	0	$0.00	$0.00	________
Drying (Fuel/Electric)	Bu	80	$0.00	$0.00	________
Other	Acre	1	$0.00	$0.00	________
Other	Acre	1	$0.00	$0.00	________
Other	Acre	1	$0.00	$0.00	________
Operating Interest[7]	%	$524.11	8.00%	$20.96	________
			Total Variable Expenses	**$545.08**	________
			Return Above Variable Expenses	**$338.92**	________
Fixed Expenses					
Machinery					________
Capital Recovery (Table 3)	Acre	1	$213.33	$213.33	________
Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	________
General Overhead	Acre	1	$30.00	$30.00	________
Cash Rent[8]	Acre	1	$117.00	$117.00	________
Insurance (Non-Machinery)	Acre	1	$0.00	$0.00	________
Management Labor[10]	Acre	1	$25.00	$25.00	________
Other	Acre	1	$0.00	$0.00	________
			Total Fixed Expenses	**$385.33**	________
			Total Expenses	**$930.41**	________
			Return Above Specified Expenses	**-$46.41**	________

Breakeven Price for Selected Soybean Yield

Yield (bu)	Variable Cost ($/bu)	Total Specified Cost ($/bu)
20	$13.63	$23.26
25	$10.90	$18.61
30	$9.08	$15.51
35	$7.79	$13.29
40	**$6.81**	**$11.63**
45	$6.06	$10.34
50	$5.45	$9.30
55	$4.96	$8.46
60	$4.54	$7.75

Breakeven Yield for Selected Soybean Price

Price ($/bu)	Variable Cost (bu)	Total Specified Cost (bu)
$8.40	32	55
$8.90	31	52
$9.40	29	49
$9.90	28	47
$10.40	**26**	**45**
$10.90	25	43
$11.40	24	41
$11.90	23	39
$12.40	22	38

Breakeven Price for Selected Wheat Yield

Yield (bu)	Variable Cost ($/bu)	Total Specified Cost ($/bu)
60	$4.54	$7.75
65	$4.19	$7.16
70	$3.89	$6.65
75	$3.63	$6.20
80	**$3.41**	**$5.82**
85	$3.21	$5.47
90	$3.03	$5.17
95	$2.87	$4.90
100	$2.73	$4.65

Breakeven Yield for Selected Wheat Price

Price ($/bu)	Variable Cost (bu)	Total Specified Cost (bu)
$3.85	71	121
$4.35	63	107
$4.85	56	96
$5.35	51	87
$5.85	**47**	**80**
$6.35	43	73
$6.85	40	68
$7.35	37	63
$7.85	35	59

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen	Urea - Planting/Fall	15	$0.52	$7.80	_________
	UAN 32 - Post-Emerge/Spring	90	$0.54	$48.60	_________
Phosphorous	P_2O_5	60	$0.66	$39.60	_________
Potassium	K_20	60	$0.36	$21.60	_________
Boron		1	$0.70	$0.70	_________
Lime		1,000	$30.00	$15.00	_________
Other		0	$0.00	$0.00	_________
Other		0	$0.00	$0.00	_________
Total				$133.30	_________

Table 2. Chemicals[4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides-	Burndown	Gramoxone SL	oz.	1	40	$0.31	$12.50	_________
Wheat		Other		0	0	$0.00	$0.00	_________
	Post-Emerge	Harmony	oz.	1	0.7	$14.03	$9.82	_________
		Metribuzin	oz.	1	3	$1.41	$4.22	_________
		Other		0	0	$0.00	$0.00	_________
Herbicides-	Pre-Emerge	Sequence	pt.	1	3	$8.50	$25.50	_________
Soybeans		Other		0	0	$0.00	$0.00	_________
	Post-Emerge	Roundup PowerMax	oz.	1	32	$0.44	$14.00	_________
		Flexstar	pt.	1	1	$7.65	$7.65	_________
		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
Insecticides		Wheat-Foliar	acre	1	1	$5.00	$5.00	_________
		Soybeans-Foliar	acre	1	1	$20.00	$20.00	_________
		Other		0	0	$0.00	$0.00	_________
Fungicides		Soybeans-Foliar	acre	1	1	$15.00	$15.00	_________
		Wheat-foliar	acre	1	1	$10.00	$10.00	_________
		Other		0	0	$0.00	$0.00	_________
Total							$123.69	_________

Table 3. Machinery[5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Disk	Tractor, 215 hp	Tandem Disk	29'	$11.60	$2.02	$2.72	$1.86	$18.19	_________
Burndown	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Plant	Tractor, 215 hp	Grain Drill	20'	$12.49	$5.29	$4.30	$2.95	$25.03	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fungicide	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Insect Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Harvest	Combine	Grain Head	30'	$28.00	$26.03	$6.46	$2.46	$62.93	_________
Haul	Tractor, 215 hp	Grain Cart		$7.02	$0.84	$1.51	$1.03	$10.39	_________
Haul	Semi Tractor/Trailer			$6.17	$0.43	$0.35	$0.77	$7.72	_________
Plant	Tractor, 215 hp	Planter	16-row	$15.97	$2.88	$2.32	$1.59	$22.75	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fungicide	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Harvest	Combine	Grain Head	30'	$28.00	$26.03	$6.46	$2.46	$62.93	_________
Haul	Tractor, 215 hp	Grain Cart	800 bu	$7.02	$0.84	$1.51	$1.03	$10.39	_________
Haul	Semi Tractor/Trailer			$5.91	$0.32	$0.25	$0.55	$7.03	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Total				$213.33	$71.80	$36.22	$22.28	$343.63	_________

2025 Cotton, No-Till, Non-Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
Revenue [1]			**Gross Revenue ($/Acre)**		
Cotton	lb.	1,150	$0.72	$828.00	________
Government Payments	$/acre	1	$0.00	$0.00	________
Cotton Seed or Gin Rebate	$/acre	1	$0.00	$0.00	________
			Total Revenue	**$828.00**	________
Variable Expenses					
Seed[2]	Thous.	50	$3.10	$155.00	________
Wrap	lb.	1,150	$0.02	$18.98	________
Fertilizer & Lime (Table 1)	Acre	1	$127.45	$127.45	________
Chemical (Table 2)	Acre	1	$174.65	$174.65	________
Crop Scout or Consultant	Acre	1	$12.00	$12.00	________
Repair & Maintenance (Table 3)	Acre	1	$32.66	$32.66	________
Fuel, Oil & Filter (Table 3)	Acre	1	$28.10	$28.10	________
Operator Labor (Table 3)	Acre	1	$15.44	$15.44	________
Crop Insurance[6]	Acre	1	$11.15	$11.15	________
Machinery Rental	Acre	1	$0.00	$0.00	________
Custom Work	Acre	1	$0.00	$0.00	________
Other Transportation Costs	Acre	1	$0.00	$0.00	________
Other	Acre	0	$0.00	$0.00	________
Other	Acre	0	$0.00	$0.00	________
Operating Interest[7]	%	$575.43	8.00%	$23.02	________
			Total Variable Expenses	**$598.44**	________
			Return Above Variable Expenses	**$229.56**	________
Fixed Expenses					
Machinery					
Capital Recovery (Table 3)	Acre	1	$171.72	$171.72	________
Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	________
General Overhead	Acre	1	$20.00	$20.00	________
Cash Rent[8]	Acre	1	$117.00	$117.00	________
Insurance (Non-Machinery)	Acre	1	$0.00	$0.00	________
Management Labor[10]	Acre	1	$25.00	$25.00	________
Other Fixed Costs	Acre	1	$0.00	$0.00	________
			Total Fixed Expenses	**$333.72**	________
			Total Expenses	**$932.16**	________
			Return Above Specified Expenses	**-$104.16**	________
			Cash Cost per lb	**$0.64**	________
			Economic Cost per lb	**$0.81**	________

Breakeven Price for Selected Yield

Yield (lb.)	Variable Cost ($/lb.)	Total Specified Cost ($/lb.)
900	$0.66	$1.04
950	$0.63	$0.98
1,000	$0.60	$0.93
1,050	$0.57	$0.89
1,100	$0.54	$0.85
1,150	**$0.52**	**$0.81**
1,200	$0.50	$0.78
1,250	$0.48	$0.75
1,300	$0.46	$0.72
1,350	$0.44	$0.69
1,400	$0.43	$0.67

Breakeven Yield for Selected Price

Price ($/lb.)	Variable Cost (lb.)	Total Specified Cost (lb.)
$0.47	1,273	1,983
$0.52	1,151	1,793
$0.57	1,050	1,635
$0.62	965	1,503
$0.67	893	1,391
$0.72	**831**	**1,295**
$0.77	777	1,211
$0.82	730	1,137
$0.87	688	1,071
$0.92	650	1,013
$0.97	617	961

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen	Urea	35	$0.52	$18.20	________
	UAN 32%	35	$0.54	$18.90	________
Phosphorous	P_2O_5	60	$0.66	$39.60	________
Potassium	K_20	90	$0.36	$32.40	________
Sulfur		10	$0.30	$3.00	________
Boron		0.5	$0.70	$0.35	________
Lime		1,000	$30.00	$15.00	________
Other		0	$0.00	$0.00	________
Other		0	$0.00	$0.00	________
Total				$127.45	________

Table 2. Chemicals[4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides	Burndown	Roundup PowerMax	oz.	1	32	$0.44	$14.00	________
		Other	oz.	0	0	$0.00	$0.00	________
	At-Planting	Cotoran 4L	pt.	1	1	$6.25	$6.25	________
		Caparol 4L	pt.	1	1	$6.00	$6.00	________
	Post-Emerge	Sequence	pt.	1	2.5	$8.50	$21.25	________
		Roundup PowerMax	oz.	1	31	$0.44	$13.56	________
		Caparol	pt.	1	2	$6.00	$12.00	________
		Valor	oz.	1	2	$3.69	$7.38	________
		Other		0	0	$0.00	$0.00	________
Growth Regulator		Mepex (Mepiquat Chloride)	acre	1	1	$2.24	$2.24	________
Defoliant		Defoliant	acre	1	1	$18.00	$18.00	________
Boll Opener		Ethephon	acre	1	1	$8.97	$8.97	________
Insecticides		Foliar	acre	1	1	$65.00	$65.00	________
		Other		0	0	$0.00	$0.00	________
Fungicides		Other		0	0	$0.00	$0.00	________
		Other		0	0	$0.00	$0.00	________
Total							$174.65	________

Table 3. Machinery[5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Chop Stalks	Tractor, 215 hp	Rotary Mower	15'	$8.04	$4.22	$3.59	$2.46	$18.30	________
Burndown	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Plant	Tractor, 215 hp	Planter	12-row	$13.31	$5.02	$3.09	$2.12	$23.54	________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Weed Control	Tractor, 215 hp	Hooded Sprayer		$2.33	$0.38	$0.86	$0.59	$4.16	________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	________
Spray	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Spray	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Spray	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Harvest	Picker/Module Builder (Round)		6-row	$68.18	$16.95	$10.77	$3.12	$99.02	________
Harvest	Tractor, 215 hp	Module Handler		$3.28	$0.84	$2.28	$1.56	$7.96	________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	________
Total				$171.72	$32.66	$28.10	$15.44	$247.92	________

2025 Cotton, Conventional Tillage, Non-Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
***Revenue* [1]**			**Gross Revenue ($/Acre)**		
Cotton	lb.	1,150	$0.72	$828.00	________
Government Payments	$/acre	1	$0.00	$0.00	________
Other Revenue	$/acre	1	$0.00	$0.00	________
			Total Revenue	**$828.00**	________
Variable Expenses					
Seed[2]	Thous.	50	$3.10	$155.00	________
Wrap	lb.	1,150	$0.02	$18.98	________
Fertilizer & Lime (Table 1)	Acre	1	$127.45	$127.45	________
Chemical (Table 2)	Acre	1	$156.63	$156.63	________
Crop Scout or Consultant	Acre	1	$12.00	$12.00	________
Repair & Maintenance (Table 3)	Acre	1	$38.70	$38.70	________
Fuel, Oil & Filter (Table 3)	Acre	1	$37.59	$37.59	________
Operator Labor (Table 3)	Acre	1	$21.87	$21.87	________
Crop Insurance[6]	Acre	1	$11.15	$11.15	________
Machinery Rental	Acre	1	$0.00	$0.00	________
Custom Work	Acre	1	$0.00	$0.00	________
Other Transportation Costs	Acre	1	$0.00	$0.00	________
Other	Acre	0	$0.00	$0.00	________
Other	Acre	0	$0.00	$0.00	________
Operating Interest[7]	%	$579.35	8.00%	$23.17	________
			Total Variable Expenses	**$602.53**	________
			Return Above Variable Expenses	**$225.47**	________
Fixed Expenses					
Machinery					
Capital Recovery (Table 3)	Acre	1	$189.03	$189.03	________
Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	________
General Overhead	Acre	1	$20.00	$20.00	________
Cash Rent[8]	Acre	1	$117.00	$117.00	________
Insurance (Non-Machinery)	Acre	1	$0.00	$0.00	________
Management Labor[10]	Acre	1	$25.00	$25.00	________
Other Fixed Costs	Acre	1	$0.00	$0.00	________
			Total Fixed Expenses	**$351.03**	________
			Total Expenses	**$953.55**	________
			Return Above Specified Expenses	**-$125.55**	________
			Cash Cost per lb	**$0.64**	________
			Economic Cost per lb	**$0.83**	________

Breakeven Price for Selected Yield

Yield (lb.)	Variable Cost ($/lb.)	Total Specified Cost ($/lb.)
900	$0.67	$1.06
950	$0.63	$1.00
1,000	$0.60	$0.95
1,050	$0.57	$0.91
1,100	$0.55	$0.87
1,150	**$0.52**	**$0.83**
1,200	$0.50	$0.79
1,250	$0.48	$0.76
1,300	$0.46	$0.73
1,350	$0.45	$0.71
1,400	$0.43	$0.68

Breakeven Yield for Selected Price

Price ($/lb.)	Variable Cost (lb.)	Total Specified Cost (lb.)
$0.47	1,282	2,029
$0.52	1,159	1,834
$0.57	1,057	1,673
$0.62	972	1,538
$0.67	899	1,423
$0.72	**837**	**1,324**
$0.77	783	1,238
$0.82	735	1,163
$0.87	693	1,096
$0.92	655	1,036
$0.97	621	983

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen	Urea	35	$0.52	$18.20	_________
	UAN 32%	35	$0.54	$18.90	_________
Phosphorous	P_2O_5	60	$0.66	$39.60	_________
Potassium	K_20	90	$0.36	$32.40	_________
Sulfur		10	$0.30	$3.00	_________
Boron		0.5	$0.70	$0.35	_________
Lime		1,000	$30.00	$15.00	_________
Other		0	$0.00	$0.00	_________
Other		0	$0.00	$0.00	_________
Total				$127.45	_________

Table 2. Chemicals[4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides	Pre-Emerge	Cotoran	pt.	1	2	$6.25	$12.50	_________
		Gramoxone	oz.	1	32	$0.31	$10.00	_________
		Other		0	0	$0.00	$0.00	_________
	Post-Emerge	Sequence	pt.	1	2.5	$8.50	$21.25	_________
		Envoke	oz.	1	0.1	$126.67	$12.67	_________
		Caparol	pt.	1	1	$6.00	$6.00	_________
		Other		0	0	$0.00	$0.00	_________
Growth Regulator		Mepex (Mepiquat Chloride)	acre	1	1	$2.24	$2.24	_________
Defoliant		Other	acre	1	1	$18.00	$18.00	_________
Boll Opener		Ethephon	acre	1	1	$8.97	$8.97	_________
Insecticides		Foliar	acre	1	1	$65.00	$65.00	_________
		Other		0	0	$0.00	$0.00	_________
Fungicides		Other		0	0	$0.00	$0.00	_________
		Other		0	0	$0.00	$0.00	_________
Total							$156.63	_________

Table 3. Machinery[5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Chop Stalks	Tractor, 215 hp	Rotary Mower	15'	$8.04	$4.22	$3.59	$2.46	$18.30	_________
Chisel	Tractor, 215 hp	Chisel Plow	21'	$6.95	$2.03	$3.38	$2.31	$14.67	_________
Disk	Tractor, 215 hp	Tandem Disk	29'	$11.60	$2.02	$2.72	$1.86	$18.19	_________
Prepare Seedbed	Tractor, 215 hp	Cultimulcher	20'	$8.24	$2.28	$3.77	$2.58	$16.86	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Plant	Tractor, 215 hp	Planter	12-row	$13.31	$5.02	$3.09	$2.12	$23.54	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Weed Control	Tractor, 215 hp	Hooded Sprayer		$2.33	$0.38	$0.86	$0.59	$4.16	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Spray	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Spray	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Spray	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Harvest	Picker/Module Builder (Round)		6-row	$68.18	$16.95	$10.77	$3.12	$99.02	_________
Harvest	Tractor, 215 hp	Module Handler		$3.28	$0.84	$2.28	$1.56	$7.96	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	_________
Total				$189.03	$38.70	$37.59	$21.87	$287.18	_________

2025 Cotton, No-Till, Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
Revenue [1]			Gross Revenue ($/Acre)		
Cotton	lb.	1,500	$0.72	$1,080.00	________
Government Payments	$/acre	1	$0.00	$0.00	________
Other Revenue	$/acre	1	$0.00	$0.00	________
			Total Revenue	**$1,080.00**	________
Variable Expenses					
Seed[2]	Thous.	60	$3.10	$186.00	________
Wrap	lb.	1,500	$0.02	$24.75	________
Fertilizer & Lime (Table 1)	Acre	1	$138.05	$138.05	________
Chemical (Table 2)	Acre	1	$176.38	$176.38	________
Crop Scout or Consultant	Acre	1	$12.00	$12.00	________
Repair & Maintenance (Table 3)	Acre	1	$32.66	$32.66	________
Fuel, Oil & Filter (Table 3)	Acre	1	$28.10	$28.10	________
Operator Labor (Table 3)	Acre	1	$15.44	$15.44	________
Crop Insurance[6]	Acre	1	$11.15	$11.15	________
Machinery Rental	Acre	1	$0.00	$0.00	________
Custom Work	Acre	1	$0.00	$0.00	________
Other Transportation Costs	Acre	1	$0.00	$0.00	________
Irrigation Energy Cost[9]	Ac-In	6	$6.75	$40.50	________
Irrigation System R&M[9]	Ac-In	6	$3.00	$18.00	________
Other Irrigation Costs	Acre	1	$0.00	$0.00	________
Other	Acre	0	$0.00	$0.00	________
Other	Acre	0	$0.00	$0.00	________
Operating Interest[7]	%	$683.03	8.00%	$27.32	________
		Total Variable Expenses		**$710.35**	________
		Return Above Variable Expenses		**$369.65**	________
Fixed Expenses					
Machinery					
Capital Recovery (Table 3)	Acre	1	$171.72	$171.72	________
Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	________
Capital Recovery (Irrigation Equipment)[9]	Acre	1	$100.00	$100.00	________
Other Irrigation Costs	Acre	1	$0.00	$0.00	________
General Overhead	Acre	1	$30.00	$30.00	________
Cash Rent[8]	Acre	1	$197.00	$197.00	________
Insurance (Non-Machinery)	Acre	1	$0.00	$0.00	________
Management Labor[10]	Acre	1	$25.00	$50.00	________
Other Fixed Costs	Acre	1	$0.00	$0.00	________
		Total Fixed Expenses		**$548.72**	________
		Total Expenses		**$1,259.07**	________
		Return Above Specified Expenses		**-$179.07**	________
		Cash Cost per lb		**$0.62**	________
		Economic Cost per lb		**$0.84**	________

Breakeven Price for Selected Yield

Yield (lb.)	Variable Cost ($/lb.)	Total Specified Cost ($/lb.)
1,250	$0.57	$1.01
1,300	$0.55	$0.97
1,350	$0.53	$0.93
1,400	$0.51	$0.90
1,450	$0.49	$0.87
1,500	**$0.47**	**$0.84**
1,550	$0.46	$0.81
1,600	$0.44	$0.79
1,650	$0.43	$0.76
1,700	$0.42	$0.74
1,750	$0.41	$0.72

Breakeven Yield for Selected Price

Price ($/lb.)	Variable Cost (lb.)	Total Specified Cost (lb.)
$0.47	1,511	2,679
$0.52	1,366	2,421
$0.57	1,246	2,209
$0.62	1,146	2,031
$0.67	1,060	1,879
$0.72	**987**	**1,749**
$0.77	923	1,635
$0.82	866	1,535
$0.87	816	1,447
$0.92	772	1,369
$0.97	732	1,298

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen	Urea	45	$0.52	$23.40	________
	UAN 32%	45	$0.54	$24.30	________
Phosphorous	P_2O_5	60	$0.66	$39.60	________
Potassium	K_20	90	$0.36	$32.40	________
Sulfur		10	$0.30	$3.00	________
Boron		0.5	$0.70	$0.35	________
Lime		1,000	$30.00	$15.00	________
Other		0	$0.00	$0.00	________
Other		0	$0.00	$0.00	________
Total				$138.05	________

Table 2. Chemicals[4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides	Burndown	Roundup	oz.	1	32	$0.44	$14.00	________
		Clarity	oz.	1	8	$0.72	$5.75	________
	Pre-Emerge	Cotoran	pt.	1	2	$6.25	$12.50	________
		Gramoxone	oz.	1	32	$0.31	$10.00	________
	Post-Emerge	Sequence	pt.	1	2.5	$8.50	$21.25	________
		Envoke	oz.	1	0.1	$126.67	$12.67	________
		Caparol	pt.	1	1	$6.00	$6.00	________
		Other		0	0	$0.00	$0.00	________
Growth Regulator		Mepex (Mepiquat Chloride)	acre	1	1	$2.24	$2.24	________
Defoliant		Defoliant	acre	1	1	$18.00	$18.00	________
Boll Opener		Ethephon	acre	1	1	$8.97	$8.97	________
Insecticides		Foliar	acre	1	1	$65.00	$65.00	________
		Other		0	0	$0.00	$0.00	________
Fungicides		Other		0	0	$0.00	$0.00	________
		Other		0	0	$0.00	$0.00	________
		Other		0	0	$0.00	$0.00	________
Total							$176.38	________

Table 3. Machinery[5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Chop Stalks	Tractor, 215 hp	Rotary Mower	15'	$8.04	$4.22	$3.59	$2.46	$18.30	________
Burndown	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Plant	Tractor, 215 hp	Planter	12-row	$13.31	$5.02	$3.09	$2.12	$23.54	________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Weed Control	Tractor, 215 hp	Hooded Sprayer		$2.33	$0.38	$0.86	$0.59	$4.16	________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	________
Spray	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Spray	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Spray	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	________
Harvest	Picker/Module Builder (Round)		6-row	$68.18	$16.95	$10.77	$3.12	$99.02	________
Harvest	Tractor, 215 hp	Module Handler		$3.28	$0.84	$2.28	$1.56	$7.96	________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	________
Other				$0.00	$0.00	$0.00	$0.00	$0.00	________
Total				$171.72	$32.66	$28.10	$15.44	$247.92	________

2025 Grain Sorghum, No-Till, Non-Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
Revenue [1]			Gross Revenue ($/Acre)		
Grain Sorghum	Bu	110	$4.70	$517.00	__________
			Total Revenue	**$517.00**	__________
Variable Expenses					
Seed [2]	Thous.	85	$0.32	$27.20	__________
Fertilizer & Lime (Table 1)	Acre	1	$93.30	$93.30	__________
Chemical (Table 2)	Acre	1	$77.16	$77.16	__________
Crop Scout	Acre	1	$10.00	$10.00	__________
Repair & Maintenance (Table 3)	Acre	1	$35.65	$35.65	__________
Fuel, Oil & Filter (Table 3)	Acre	1	$17.85	$17.85	__________
Operator Labor (Table 3)	Acre	1	$11.79	$11.79	__________
Machinery Rental	Acre	0	$0.00	$0.00	__________
Custom Work	Acre	0	$0.00	$0.00	__________
Drying (Fuel/Electric)	Bu	110	$0.00	$0.00	__________
Crop Insurance[6]	Acre	1	$4.22	$4.22	__________
Other	Acre	1	$0.00	$0.00	__________
Other	Acre	1	$0.00	$0.00	__________
Operating Interest [7]	%	$277.18	8.00%	$11.09	__________
			Total Variable Expenses	**$288.26**	__________
			Return Above Variable Expenses	**$228.74**	__________
Fixed Expenses					
Machinery					
Capital Recovery (Table 3)	Acre	1	$116.28	$116.28	__________
Other Fixed Machinery Costs	Acre	1	$0.00	$0.00	__________
General Overhead	Acre	1	$20.00	$20.00	__________
Cash Rent[8]	Acre	1	$117.00	$117.00	__________
Management Labor[10]	Acre	1	$25.00	$25.00	__________
Other Fixed Costs	Acre	1	$0.00	$0.00	__________
			Total Fixed Expenses	**$278.28**	__________
			Total Expenses	**$566.54**	__________
			Return Above All Specified Expenses	**-$49.54**	__________
			Cash Cost per lb	**$3.87**	__________
			Economic Cost per lb	**$5.15**	__________

Breakeven Price for Selected Yield

Yield (bu)	Variable Cost ($/bu)	Total Specified Cost ($/bu)
90	$3.20	$6.29
95	$3.03	$5.96
100	$2.88	$5.67
105	$2.75	$5.40
110	**$2.62**	**$5.15**
115	$2.51	$4.93
120	$2.40	$4.72
125	$2.31	$4.53
130	$2.22	$4.36

Breakeven Yield for Selected Price

Price ($/bu)	Variable Cost (bu)	Total Specified Cost (bu)
$4.50	64	126
$4.55	63	125
$4.60	63	123
$4.65	62	122
$4.70	**61**	**121**
$4.75	61	119
$4.80	60	118
$4.85	59	117
$4.90	59	116

Table 1. Fertilizer & Lime[3]

Fertilizer	Description	Quantity (lbs.)	Price ($)	Total ($/Acre)	Your Farm ($/Acre)
Nitrogen	Urea	45	$0.52	$23.40	_________
Nitrogen	32% UAN	45	$0.54	$24.30	_________
Phosphorous	P_2O_5	30	$0.66	$19.80	_________
Potassium	K_20	30	$0.36	$10.80	_________
Lime		1,000	$30.00	$15.00	_________
Total				$93.30	_________

Table 2. Chemicals [4]

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total ($/Acre)	Your Farm ($/Acre)
Herbicides	Burndown	Gramoxone 3SL	oz.	1	28	$0.31	$8.75	_________
		Other				$0.00	$0.00	_________
	Pre-Emerge	Bicep II Magnum	qt.	1	1.7	$14.30	$24.31	_________
		Other				$0.00	$0.00	_________
	Post-Emerge	Atrazine	qt.	1	2	$3.38	$6.76	_________
	Harvest Aid	Aim 2EC	oz.	1	1	$7.34	$7.34	_________
Insecticides		Foliar	acre	1	1	$30.00	$30.00	_________
		Other	acre			$0.00	$0.00	_________
		Other	acre			$0.00	$0.00	_________
Total							$77.16	_________

Table 3. Machinery [5]

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm ($/Acre)
Burndown	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Plant	Tractor, 215 hp	Planter	16-row	$15.97	$2.88	$2.32	$1.59	$22.75	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Fertilize	Tractor, 215 hp	Fertilize Spreader		$5.10	$1.60	$2.46	$1.68	$10.84	_________
Weed Control	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Insecticide	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Insecticide	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47	_________
Harvest	Combine	Grain Head	30'	$28.00	$26.03	$6.46	$2.46	$36.77	_________
Haul	Tractor, 215 hp	Grain Cart		$7.02	$0.84	$1.51	$1.03	$10.39	_________
Haul	Semi Tractor/Trailer			$7.68	$1.25	$0.79	$1.76	$9.93	_________
Total				$116.28	$35.65	$17.85	$11.79	$153.86	_________

FOOTNOTES

[1] **Revenue**

Corn price was estimated using weighted average futures prices from September 2024 to July 2025, adjusted by average monthly basis in Tennessee. Corn yield is the predicted 2024 linear trend line yield for corn in Tennessee, using state average USDA-NASS yields from 2003-2023. Irrigated corn yield was estimated at 240 bu/acre.

Soybean price was estimated using weighted average futures prices from November 2024 to August 2025, adjusted by average monthly basis in Tennessee. Soybean yield is the predicted 2024 linear trend line yield for soybeans in Tennessee, using state average USDA-NASS yields from 2003-2023. Irrigated soybean yield was estimated at 65 bu/acre.

Wheat/Soybean. Soybean yield is the predicted 2024 linear trend line yield for soybeans in Tennessee, adjusted for double cropping system. Wheat price was estimated using weighted average futures prices from July 2024 to May 2025, adjusted by average monthly basis in Tennessee. Wheat yield is the predicted 2024 linear trend line yield for wheat in Tennessee, using state average yields from 2003-2023. If a market for wheat straw is available, add an appropriate amount to other revenue ($/acre) based on the expected yield and price of the straw, being sure to account for additional harvest and marketing costs.

Cotton price was estimated using weighted average futures prices from December 2024 to July 2025, adjusted by average monthly basis in Tennessee. Cotton yield is the predicted 2024 linear trend line yield for cotton in Tennessee, using state average yields from 2003-2023. Most ginning arrangements provide producers cottonseed revenue net ginning costs, which should be included as additional revenue.

Sorghum price is estimated 10 cents above the price of corn, based on expected market conditions. Due to low acres and limited market access, prices may swing dramatically. Recently, in Tennessee, sorghum has been 10-25 cents above the price of corn.

[2] **Seed Costs**

Corn: Assumes a bag of seed costs $288 and contains 80,000 seeds ($3.65/thousand seeds). Seeding rate of 32,000 seeds/acre (36,500 for irrigated). Seed treatment is included in the price. Seed cost varies by variety.

Soybeans: Assumes a bag of seed costs $63 and contains 140,000 seeds ($0.43/thousand seeds). Seeding rate of 140,000 seeds/acre (150,000 for irrigated). Seed treatment is included in the price. Seed cost varies by variety.

Wheat: Assumes seeding rate of 2.5 bu/acre at $18.00 per bushel. Seed treatment is included in the price. Seed cost varies by variety.

Cotton: Assumes $2.65/thousand seeds. Seeding rate of 50,000 seeds/acre (60,000 for irrigated). Seed treatment is included in the price. Seed cost varies by variety.

Check with farm suppliers for rebates, discounts and incentives for seed and chemicals. Substantial cost savings may be available.

[3] **Fertilizer and Lime**

Lime is assumed to be applied once every four years at a rate of 2 tons per acre (includes the cost of application). N, P and K quantities and prices are shown in elemental lb. Check with farm suppliers for rebates, discounts and incentives for fertilizers, seed and chemicals. Substantial cost savings may be available. Substantial variation in prices for fertilizer exist based on quantity purchased, product purchased and location of purchase.

[4] **Chemicals**

Assumes a normal crop rotation with minimal weed infestation. A continuous monocrop system may require additional expenses for chemicals and/or land preparation. Weed control chemicals should be selected for specific weed or grass problems that are present. Generic chemicals may be a cost-effective option; contact your chemical supplier, qualified consultant or weed control specialist. Alternative weed control options are available in the University of Tennessee Weed Control Manual for Tennessee. Follow all labels, state and national regulations when using all chemicals. Check with farm suppliers for rebates, discounts and incentives for seed and chemicals. Substantial cost savings may be available. Seed treatments, such as some nematicide treatments, are optional and costs vary depending on product used.

[5] **Machinery**

Machinery expenses will vary dramatically by operation, financial resources and land base. The machinery cost estimates provided in Table 3 are provided as an estimate of cost of ownership and operation for specified pieces of machinery that would be available to a "representative" row-crop farm in Tennessee. To estimate machinery costs for a specific set of equipment, interested parties can utilize the Excel version of the budgets and modify the Machinery Assumptions Table.

[6] **Crop Insurance**

Crop insurance is an estimate and will vary by policy, county and coverage election. The estimate provided is the average premium paid per insured acre for each commodity in Tennessee for the previous production year, as reported by USDA RMA's Summary of Business Report.

[7] **Operating Interest**

Operating interest is assumed to be charged on half of all variable expenses.

[8] **Cash Rental Rates**

Cash rental rates are the 2023 USDA-NASS reported cash rental rates for cropland in Tennessee. Substantial differences may exist in cash rental rates reported by NASS and the prevailing rate in your location.

[9] **Irrigation**

Center-pivot irrigation costs are estimated using the following assumptions: purchase price and installation cost of $95,000; useful life of 20 years; and an irrigated acreage of 125 acres. Well depth and energy source will dramatically impact irrigation costs. Irrigation rates should be adjusted to meet commodity- and farm-specific applications. Irrigation costs are site and energy-source specific.

[10] **Management Labor**

Management labor for irrigated acreage is assumed to be double that of dryland acres.

Appendix 1: Input Summary Table

Commodity Prices Received by Producers		
Corn	$4.60	bu
Soybeans	$10.40	bu
Wheat	$5.85	bu
Grain Sorghum	$4.70	bu
Cotton	$0.72	lb.

Fuel, Interest Rates and Labor Costs		
Diesel Fuel ($/gal)	$2.90	$/gal
Electricity ($/kwh)	$0.103	$kwh
Operator Labor ($/hr.)	$20.00	$/hr.
Management Labor ($/hr.)	$25.00	$/hr.
Operating Interest (%)	8.00%	%
Fixed Capital Interest (%)	6.50%	%

Crop Scout, Consulting, Cash Rent and Crop Insurance		
Crop Scout / Consulting Fee	$10.00	acre
Crop Scouting-Cotton	$12.00	acre
Drying ($/bu)	$0.45	bu
Cotton Wrap ($/lb.)	$0.02	lb.
Irrigated Cropland Cash Rent	$197.00	acre
Non-Irrigated Cropland Cash Rent	$117.00	acre
Crop Insurance-Corn	$16.66	acre
Crop Insurance-Soybean	$10.02	acre
Crop Insurance-Wheat	$9.90	acre
Crop Insurance-Grain Sorghum	$4.22	acre
Crop Insurance-Cotton	$11.15	acre

Property Taxes, Non-Machinery Insurance and Management Labor		
Property Taxes	$0.00	$/acre
Insurance (Non-machinery and Non-crop)	$0.00	$/acre
Management Labor	$25.00	$/acre

Seed		
Corn	$3.88	$/Thousand Seeds
Soybean	$0.46	$/Thousand Seeds
Wheat	$17.00	$/bu
Grain Sorghum	$0.32	$/Thousand Seeds
Cotton	$3.10	$/Thousand Seeds

Fertilizer		
Urea	$0.52	$/lb.
Ammonium Nitrate	$0.67	$/lb.
UAN 28%	$0.55	$/lb.
UAN 32%	$0.54	$/lb.
P_2O_5	$0.66	$/lb.
DAP (18-46-0)	$0.58	$/lb.
Potash	$0.36	$/lb.
Lime	$30.00	$/ton
Boron	$0.70	$/lb.
Ammonium Sulfate	$0.30	$/lb.
Zinc Sulfate	$1.67	$/lb.

Irrigation		
Irrigation Energy Cost	$6.75	$/acre-in
Irrigation System R&M & Labor	$3.00	$/acre-in
Capital Recovery (Irrigation Equipment)	$100.00	$/acre

Fungicide Treatments		
Soybean-Foliar	$15.00	$/acre
Wheat-Foliar	$10.00	$/acre
Crop Oil Concentrate	$10.90	$/qt.
Corn-Foliar	$18.00	$/acre
Surfactant	$10.50	$/gal

Insecticide Treatments		
Soybean-Foliar	$20.00	$/acre
Cotton-Foliar	$65.00	$/acre
Grain Sorghum-Foliar	$30.00	$/acre
Wheat-Foliar	$5.00	$/acre
Maintenance Fee (Boll Weevil Eradication)	$2.00	$/acre

Herbicides		
	Price/Unit	Unit
2, 4-D	$3.31	$/pt.
Accent Q	$23.89	$/oz.
Aim EC	$7.34	$/oz.
Anthem Maxx	$3.73	$/oz.
Assure II	$0.89	$/oz.
Atrazine	$3.38	$/qt.
Authority MTZ	$2.97	$/oz.
Authority XL	$5.00	$/oz.
Axial Bold	$1.62	$/oz.
Axiom	$2.40	$/oz.
Azoxy 2SC	$0.32	$/oz.
Azoxyprop	$0.36	$/oz.
Banvel	$9.80	$/pt.
Basagran	$9.80	$/pt.
Bicep II Magnum	$14.30	$/qt.
Bifen 2EC	$0.38	$/oz.
Boll Opener (Ethephon)	$8.97	$/acre
Boundary	$12.55	$/pt.
Butyrac 200	$5.50	$/pt.
Callisto	$3.09	$/oz.
Caparol	$6.00	$/pt.
Carfentrazone 2EC	$3.00	$/oz.
Chlorimuron	$4.15	$oz
Clarity 4EC	$0.72	$/oz.
Classic	$20.00	$/oz.
Clethodim 2EC	$0.20	$/oz.
Cobra	$1.97	$/oz.
Command 3ME	$23.75	$/pt.
Coragen® eVo	$11.98	$/qt.
Cotoran 4L	$6.25	$/pt.
Crossbow	$16.25	$/qt.
Defoliant	$18.00	$/acre
Degree Xtra	$15.10	$/qt.
Dicamba DMA totes	$0.19	$/oz.
Dicamba DGA totes	$0.23	$/oz.
Direx 4L	$2.90	$/pt.
Distinct DF	$3.07	$/oz.
Dual Magnum	$10.90	$/pt.
Dual II Magnum	$13.50	$/pt.
Engenia	$0.66	$/oz.
Enlist Duo	$0.21	$/oz.
Enlist One	$0.37	$/oz.
Envoke	$126.67	$/oz.
Finesse Cereal and Fallow	$18.40	$/oz.
FirstRate	$50.92	$/oz.
Firstshot SG	$9.95	$/oz.
Flexstar GT 3.5	$7.65	$/pt.
Flexstar	$11.30	$/pt.
Flumioxazin 51	$0.97	$/oz.
Flumioxazin 44% SC	$1.00	$/oz.
Fusilade DX	$1.40	$/oz.
Glufosinate 280SL	$0.13	$/oz.
Glyphosate	$0.11	$/oz.

(continued)

Herbicides		
Goal 2XL	$7.50	$/pt.
Gramoxone 3SL	$0.31	$/oz.
Grazon P + D	$4.90	$/pt.
Halex GT	$9.95	$/pt.
Harmony Extra Total Sol	$14.03	$/oz.
Harness Xtra 5.6	$18.10	$/qt.
Imidacloprid 4F	$0.52	$/oz.
Lambda Cy	$0.23	$/oz.
Leadoff	$6.67	$/oz.
Liberty 280 SL	$0.64	$/oz.
Mepex (Mepiquat Chloride)	$2.24	$/acre
Mesotrion	$0.36	$/oz.
Metribuzin 75DF	$1.41	$/oz.
Metolachlor 8EC	$0.23	$/oz.
Miravis® NEO	$0.74	$/oz.
MSO	$0.09	$/oz.
Outlook	$0.68	$/oz.
Paraquat	$0.13	$/oz.
Permit	$26.50	$/oz.
Pinzola	$0.88	$/oz.
Poast	$16.00	$/pt.
Prefix	$18.90	$/qt.
Prowl H20	$7.30	$/pt.
Priaxor® Xemium	$2.76	$/oz.
Propicon 3.6	$0.37	$/oz.
Pursuit	$3.91	$/oz.
Python WDG	$20.63	$/oz.
Raptor	$5.04	$/oz.
Realm Q	$4.98	$/oz.
Reflex	$9.00	$/pt.
Resource	$2.21	$/oz.
Revytek®	$2.34	$/oz.
Roundup PowerMax 3	$0.44	$/oz.
Scepter 70DG	$5.71	$/oz.
Select Max	$0.97	$/oz.
Sequence	$8.50	$/pt.
Sharpen	$5.70	$/oz.
Spur®	$0.76	$/oz.
Status®	$3.64	$/oz.
Steadfast Q	$14.43	$/oz.
Storm	$14.20	$/pt.
Sulfentrazone 4	$0.55	$/oz.
Surfactant	$0.08	$/oz.
Tebucon 3.6SC	$0.28	$/oz.
Treaty® Extra	$4.83	$/oz.
Treflan	$3.38	$/pt.
Trivapro®	$1.20	$/oz.
Ultra Blazer	$6.80	$/pt.
Valor	$3.69	$/oz.
Veltyma®	$2.11	$/oz.
Verdict	$2.14	$/oz.
Warrant	$6.15	$/pt.
Xtendimax	$0.40	$/oz.
Zidua® Pro	$3.20	$/oz.

Appendix 2: Field Operations Table

Field Operations

Commodity	Process	Power Unit	Implement	Size	Capital Recovery	Repair & Maintenance	Fuel	Labor	Total
All	Chisel	Tractor, 215 hp	Chisel Plow	21'	$6.95	$2.03	$3.38	$2.31	$14.67
	Disk	Tractor, 215 hp	Tandem Disk	29'	$11.60	$2.02	$2.72	$1.86	$18.19
	Prepare Seedbed	Tractor, 215 hp	Do-All	26.5'	$7.32	$1.74	$2.84	$1.95	$13.84
	Prepare Seedbed	Tractor, 215 hp	Cultimulcher	20'	$8.24	$2.28	$3.77	$2.58	$16.86
	Plant	Tractor, 215 hp	Planter	16-row	$15.97	$2.88	$2.32	$1.59	$22.75
	Plant	Tractor, 215 hp	Grain Drill	20'	$12.49	$5.29	$4.30	$2.95	$25.03
	Fertilize	Tractor, 215 hp	Fertilizer Spreader		$5.10	$1.60	$2.46	$1.68	$10.84
	Spray	SP Boom Sprayer		90'	$9.48	$0.29	$0.37	$0.32	$10.47
	Harvest	Combine	Corn Head	8-row	$37.73	$35.05	$8.61	$3.27	$84.66
	Harvest	Combine	Grain Head	30'	$28.00	$26.03	$6.46	$2.46	$62.93
	Haul	Tractor, 215 hp	Grain Cart	800 bu	$7.02	$0.84	$1.51	$1.03	$10.39
	Haul (soybean)	Semi Tractor/Trailer			$5.91	$0.32	$0.25	$0.55	$7.03
	Haul (corn)	Semi Tractor/Trailer			$7.68	$1.25	$0.79	$1.76	$11.48
	Haul (wheat)	Semi Tractor/Trailer			$6.17	$0.43	$0.35	$0.77	$7.72
Cotton	Chop Stalks	Tractor, 215 hp	Rotary Mower	15'	$8.04	$4.22	$3.59	$2.46	$18.30
	Plant	Tractor, 215 hp	Planter	12-row	$13.31	$5.02	$3.09	$2.12	$23.54
	Weed Control	Tractor, 215 hp	Hooded Sprayer	90	$2.33	$0.38	$0.86	$0.59	$4.16
	Harvest	SP Cotton Picker		6-row	$29.43	$9.98	$9.68	$3.68	$52.78
	Harvest	Tractor, 215 hp	Boll Buggy		$7.66	$1.20	$3.77	$2.58	$15.20
	Harvest	Tractor, 215 hp	Module Builder	32'	$7.97	$1.27	$3.36	$2.30	$14.90
	Harvest	Picker/Module Builder (Round)		6-row	$68.18	$16.95	$10.77	$3.12	$99.02
	Harvest	Tractor, 215 hp	Module Handler		$3.28	$0.84	$2.28	$1.56	$7.96

Summary of Revenue, Variable and Fixed Expenses, and Profit or Loss for Each Commodity and Production Method

Commodity & Production Process	Revenue ($/Acre)	Variable Expenses ($/Acre)	Fixed Expenses ($/Acre)	Returns Over Specified Costs
Corn No-Till, Non-Irrigated	$805.00	$533.81	$283.63	($12.45)
Corn Conventional Tillage, Non-Irrigated	$805.00	$535.74	$300.02	($30.76)
Corn No-Till, Irrigated	$1,150.00	$699.30	$496.68	($45.98)
Soybeans No-Till, Non-Irrigated	$520.00	$315.23	$271.41	($66.64)
Soybeans No-Till, Irrigated	$676.00	$380.48	$478.85	($183.33)
SRW Wheat	$468.00	$309.88	$263.80	($105.68)
Wheat & Soybean, Double Cropped	$884.00	$545.08	$385.33	($46.41)
Cotton No-Till, Non-Irrigated	$828.00	$598.44	$333.72	($104.16)
Cotton Conventional Tillage, Non-Irrigated	$828.00	$602.53	$351.03	($125.55)
Cotton No-Till, Irrigated	$1,080.00	$710.35	$548.72	($179.07)
Grain Sorghum, No-Till, Non-Irrigated	$517.00	$288.26	$278.28	($49.54)

Disclaimer

This publication contains pesticide recommendations that are subject to change at any time. The recommendations in this publication are provided only as a guide. It is always the pesticide applicator's responsibility, by law, to read and follow all current label directions for the specific pesticide being used. The label always takes precedence over the recommendations found in this publication.

Use of trade or brand names in this publication is for clarity and information; it does not imply approval of the product to the exclusion of others that may be of similar, suitable composition, nor does it guarantee or warrant the standard of the product. The author(s), the University of Tennessee Institute of Agriculture and University of Tennessee Extension assume no liability resulting from the use of these recommendations.

UTIA
INSTITUTE OF AGRICULTURE
THE UNIVERSITY OF TENNESSEE

UTIA.TENNESSEE.EDU
Real. Life. Solutions.™

D 33 01/25 Programs in agriculture and natural resources, 4-H youth development, family and consumer sciences, and resource development. University of Tennessee Institute of Agriculture, U.S. Department of Agriculture and county governments cooperating. UT Extension provides equal opportunities in programs and employment.