

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

	Unit	Quantity	Price	Total	Your Farm
Revenue¹	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 & Lime³

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 ₂ O ₅	30	\$0.66	\$19.80	_____
Potassium	K ₂ O	30	\$0.36	\$10.80	_____
Lime		1,000	\$30.00	\$15.00	_____
Total				\$93.30	_____

Table 2. Chemicals⁴

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	_____
Insecticides	Post-Emerge	Atrazine	qt.	1	2	\$3.38	\$6.76	_____
	Harvest Aid	Aim 2EC	oz.	1	1	\$7.34	\$7.34	_____
		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. Machinery⁵

	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	_____