

## 2024 Grain Sorghum, No-Till, Non-Irrigated Budget

	Unit	Quantity	Price	Total	Your Farm
<b>Revenue <sup>1</sup></b>				<b>Gross Revenue (\$/Acre)</b>	
Grain Sorghum	Bu	110	\$5.05	\$555.50	_____
			<b>Total Revenue</b>	<b>\$555.50</b>	_____
<b>Variable Expenses</b>					
Seed <sup>2</sup>	Thous.	85	\$0.30	\$25.50	_____
Fertilizer & Lime (Table 1)	Acre	1	\$103.65	\$103.65	_____
Chemical (Table 2)	Acre	1	\$99.00	\$99.00	_____
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	\$20.79	\$20.79	_____
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 <sup>6</sup>	Acre	1	\$6.85	\$6.85	_____
Other	Acre	1	\$0.00	\$0.00	_____
Other	Acre	1	\$0.00	\$0.00	_____
Operating Interest <sup>7</sup>	%	\$313.23	8.50%	\$13.31	_____
			<b>Total Variable Expenses</b>	<b>\$326.55</b>	_____
			<b>Return Above Variable Expenses</b>	<b>\$228.95</b>	_____
<b>Fixed Expenses</b>					
Machinery					
Capital Recovery (Table 3)	Acre	1	\$122.43	\$122.43	_____
Other Fixed Machinery Costs	Acre	1	\$0.00	\$0.00	_____
General Overhead	Acre	1	\$20.00	\$20.00	_____
Cash Rent <sup>8</sup>	Acre	1	\$113.00	\$113.00	_____
Management Labor	Acre	1	\$25.00	\$25.00	_____
Other Fixed Costs	Acre	1	\$0.00	\$0.00	_____
			<b>Total Fixed Expenses</b>	<b>\$280.43</b>	_____
			<b>Return Above All Specified Expenses</b>	<b>-\$51.48</b>	_____

### Breakeven Price for Selected Yield

Yield (bu)	Variable Cost (\$/bu)	Total Specified Cost (\$/bu)
90	\$3.63	\$6.74
95	\$3.44	\$6.39
100	\$3.27	\$6.07
105	\$3.11	\$5.78
<b>110</b>	<b>\$2.97</b>	<b>\$5.52</b>
115	\$2.84	\$5.28
120	\$2.72	\$5.06
125	\$2.61	\$4.86
130	\$2.51	\$4.67

### Breakeven Yield for Selected Price

Price (\$/bu)	Variable Cost (bu)	Total Specified Cost (bu)
\$4.85	67	125
\$4.90	67	124
\$4.95	66	123
\$5.00	65	121
<b>\$5.05</b>	<b>65</b>	<b>120</b>
\$5.10	64	119
\$5.15	63	118
\$5.20	63	117
\$5.25	62	116

**Table 1. Fertilizer & Lime<sup>3</sup>**

Fertilizer	Description	Quantity (lbs.)	Price (\$)	Total (\$/Acre)	Your Farm (\$/Acre)
Nitrogen	Urea	45	\$0.61	\$27.45	_____
Nitrogen	32% UAN	45	\$0.64	\$28.80	_____
Phosphorous	P <sub>2</sub> O <sub>5</sub>	30	\$0.65	\$19.50	_____
Potassium	K <sub>2</sub> O	30	\$0.43	\$12.90	_____
Lime		1,000	\$30.00	\$15.00	_____
<b>Total</b>				<b>\$103.65</b>	_____

**Table 2. Chemicals<sup>4</sup>**

Chemical	Function	Description	Unit	Number of Apps.	Quantity	Price	Total (\$/Acre)	Your Farm (\$/Acre)
Herbicides	Burndown	Gramoxone SL	oz.	1	32	\$0.33	\$10.60	_____
		Other				\$0.00	\$0.00	_____
	Pre-Emerge	Bicep II Magnum	qt.	1	2	\$14.30	\$28.60	_____
Insecticides	Post-Emerge	Other				\$0.00	\$0.00	_____
		Atrazine	qt.	1	2	\$4.90	\$9.80	_____
	Other					\$0.00	\$0.00	_____
	Seed Treatment		acre	1	1	\$10.00	\$10.00	_____
	Foliar		acre	1	1	\$40.00	\$40.00	_____
	Other		acre			\$0.00	\$0.00	_____
<b>Total</b>							<b>\$99.00</b>	_____

**Table 3. Machinery<sup>5</sup>**

	Power Unit	Implement	Size	Capital Recovery	Repairs & Maintenance	Fuel, Oil & Filter	Labor	Total	Your Farm (\$/Acre)
Burndown	SP Boom Sprayer		90'	\$10.08	\$0.29	\$0.44	\$0.32	\$11.13	_____
Plant	Tractor, 215 hp	Planter	16-row	\$16.94	\$2.88	\$2.72	\$1.59	\$24.12	_____
Fertilize	Tractor, 215 hp	Fertilize Spreader		\$5.38	\$1.60	\$2.88	\$1.68	\$11.55	_____
Weed Control	SP Boom Sprayer		90'	\$10.08	\$0.29	\$0.44	\$0.32	\$11.13	_____
Fertilize	Tractor, 215 hp	Fertilize Spreader		\$5.38	\$1.60	\$2.88	\$1.68	\$11.55	_____
Weed Control	SP Boom Sprayer		90'	\$10.08	\$0.29	\$0.44	\$0.32	\$11.13	_____
Insecticide	SP Boom Sprayer		90'	\$10.08	\$0.29	\$0.44	\$0.32	\$11.13	_____
Insecticide	SP Boom Sprayer		90'	\$10.08	\$0.29	\$0.44	\$0.32	\$11.13	_____
Harvest	Combine	Grain Head	30'	\$29.23	\$26.03	\$7.57	\$2.46	\$36.77	_____
Haul	Tractor, 215 hp	Grain Cart		\$7.40	\$0.84	\$1.77	\$1.03	\$11.03	_____
Haul	Semi Tractor/Trailer			\$7.68	\$1.25	\$0.79	\$1.76	\$9.93	_____
<b>Total</b>				<b>\$122.43</b>	<b>\$35.65</b>	<b>\$20.79</b>	<b>\$11.79</b>	<b>\$160.61</b>	_____