

# Grain Sorghum 2024

ESTIMATED COSTS AND RETURNS PER ACRE  
100 BUSHEL YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
SORGHUM	BU.	100.00	\$6.46	\$646.00	_____
TOTAL RECEIPTS:				<b>\$646.00</b>	_____
<b>2. VARIABLE COSTS</b>					
GRAIN SORGHUM SEED	THOU.	100.00	\$0.19	\$19.00	_____
FERTILIZER					
UAN-32	LBS	300.00	\$0.64	\$192.00	_____
46% SUPERPHOSPHATE	LBS	62.00	\$0.46	\$28.52	_____
0-0-60 MURATE OF POTASH	LBS	40.00	\$0.51	\$20.40	_____
LIME SPREAD	TON	0.33	\$85.00	\$28.05	_____
HERBICIDES	ACRE	1.00	\$32.55	\$32.55	_____
INSECTICIDES	ACRE	1.00	\$3.42	\$3.42	_____
DRYING (3 POINTS)	BU.	105.83	\$0.20	\$21.17	_____
HAULING	BU.	100.00	\$0.15	\$15.00	_____
FERTILIZER SPREADING	ACRE	1.00	\$12.00	\$12.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$54.78	\$54.78	_____
LABOR	HRS	1.26	\$14.91	\$18.79	_____
INTEREST ON OP. CAP.	DOL.	\$198.76	8.5%	\$16.89	_____
TOTAL VARIABLE COSTS:				<b>\$462.57</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$183.43</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$61.58	\$61.58	_____
TOTAL FIXED COSTS:				<b>\$61.58</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$462.57	7.0%	\$32.38	_____
TOTAL OTHER COSTS:				<b>\$32.38</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$556.53</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>\$89.47</b>	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	70 BU.	VARIABLE COSTS	\$4.63
TOTAL COSTS	85 BU.	TOTAL COSTS	\$5.57

\* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

<b>SORGHUM FOR GRAIN</b>						
<b>PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR SORGHUM</b>						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	TANDOM LIGHT DISK 20'	1.00	0.14	0.12	\$3.80	\$5.02
4	PLANTER 12-ROW	1.00	0.12	0.10	\$5.44	\$15.80
9	COMBINE LARGE W/ HEADER 30'	1.00	0.14	0.12	\$38.47	\$36.88
9	GRAIN CART 1100	1.00	0.16	0.13	\$7.07	\$3.88
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.56	0.47	\$54.78	\$61.58
UNALLOCATED LABOR(HRS./AC.)			0.70			

<b>INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES</b>					
YIELD	----- PRICE (\$/bu.) -----				
BU.	\$5.81	\$6.14	\$6.46	\$6.78	\$7.11
90	\$63.95	\$93.65	\$122.45	\$151.25	\$180.95
95	\$91.19	\$122.54	\$152.94	\$183.34	\$214.69
100	\$118.43	\$151.43	\$183.43	\$215.43	\$248.43
105	\$145.68	\$180.33	\$213.93	\$247.53	\$282.18
110	\$172.92	\$209.22	\$244.42	\$279.62	\$315.92

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