



## Sorghum 2023 **NC STATE** UNIVERSITY ESTIMATED COSTS AND RETURNS PER ACRE 100 BUSHEL YIELD YOUR PRICE OR TOTAL UNIT QUANTITY COST/UNIT PER ACRE **FARM** 1. GROSS RECEIPTS \$6.46 SORGHUM BU. 100.00 \$646.00 \_ TOTAL RECEIPTS: \$646.00 \_\_\_ 2. VARIABLE COSTS SEED THOU. 100.00 \$0.16 \$16.00 \_\_\_ **FERTILIZER** NITROGEN 30% LBS 300.00 \$0.36 \$108.00 \_ PHOSPHATE (0-46-0) LBS 62.00 \$0.46 \$28.52 POTASH (0-0-60) LBS 40.00 \$0.51 \$20.40 \_ LIME (PRORATED) TON 0.33 \$57.00 \$18.81 **HERBICIDES** ACRE 1.00 \$23.63 \$23.63 \_ **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 TRACTOR/MACHINERY **ACRE** 1.00 \$56.47 \$56.47 HRS \$14.16 LABOR 1.31 \$18.55 INTEREST ON OP. CAP. DOL. \$137.63 8.0% \$11.01 TOTAL VARIABLE COSTS: \$340.98 3. INCOME ABOVE VARIABLE COSTS: \$305.02 4. FIXED COSTS TRACTOR/MACHINERY **ACRE** 1.00 \$67.28 \$67.28 TOTAL FIXED COSTS: \$67.28 \_\_\_ 5. OTHER COSTS **GENERAL OVERHEAD** DOL. \$340.98 7.0% \$23.87 \_\_\_ \$23.87 TOTAL OTHER COSTS: 6. TOTAL COSTS: \$432.13 \_ 7. NET RETURNS TO LAND, RISK, AND MANAGEMENT: \$213.87

BREAK-EVEN YIELD	BREAK-EVEN PRICE				
VARIABLE COSTS	50	BU.	VARIABLE COSTS	\$3.41	
TOTAL COSTS	65	BU.	TOTAL COSTS	\$4.32	

<sup>\*</sup> PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.





SORGHUI	SORGHUM FOR GRAIN								
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR SORGHUM									
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED			
		OVER	HOURS	HOURS	COSTS	COSTS			
4	TANDOM LIGHT DISK 20'	1.00	0.14	0.12	\$3.80	\$5.02			
4	PLANTER 16-ROW	1.00	0.14	0.12	\$7.13	\$21.50			
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 AC	RE TOTALS FOR								
SELECT	ED OPERATIONS		0.58	0.49	\$56.47	\$67.28			
UNALLO	CATED LABOR(HRS./AC.)		0.73						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES										
YIELD		PRICE (\$/bu.)								
BU.	\$5.81	\$6.14	\$6.46	\$6.78	\$7.11					
90	\$185.54	\$215.24	\$244.04	\$272.84	\$302.54					
95	\$212.78	\$244.13	\$274.53	\$304.93	\$336.28					
100	\$240.02	\$273.02	\$305.02	\$337.02	\$370.02					
105	\$267.27	\$301.92	\$335.52	\$369.12	\$403.77					
110	\$294.51	\$330.81	\$366.01	\$401.21	\$437.51					

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