

Wheat, Mod Yield Threshold*-2023

NC STATE UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2023 75 BUSHEL YIELD AVERAGE HISTORY*

75 BUSHEL YIELD AVERAGE HISTO	RY*		55105.05	TOTAL	\/O!!D
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
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. GROSS RECEIPTS					
WHEAT***	BU.	75.00	\$7.35	\$551.25	
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TOTAL RECEIPTS:				\$551.25	
. VARIABLE COSTS					
SEED (CERTIFIED)	MIL	1.50	\$16.50	\$24.75	
FERTILIZER					
30-0-0, NITROGEN SOLUTION	LBS	315.00	\$0.36	\$113.40	
0-46-0, SUPER PHOSPHATE	LBS	80.00	\$0.46	\$36.80	
0-0-60, POTASH	LBS	45.00	\$0.51	\$22.95	
LIME (PRORATED)	TON	0.33	\$57.00	\$18.81	
HERBICIDES**	ACRE	1.00	\$27.99		
FUNGICIDES**	ACRE	1.00	\$4.30	\$4.30	
INSECTICIDES**	ACRE	1.00	\$0.00	\$0.00	
AERIAL APPLICATION	APPL	0.00	\$14.00	\$0.00	
HAULING	BU.	75.00	\$0.15		
TRACTOR/MACHINERY	ACRE	1.00	\$62.07	Ψ11.20 ¢62.07	
SCOUT	ACRE	0.00	\$16.00	φυ2.07 \$0.00	
LABOR	HRS	1.80	\$16.00 \$14.16	φυ.υυ ¢25.40	
INTEREST ON OP. CAP.	DOL.	\$155.54	\$14.16 8.0%		
TOTAL VARIABLE COSTS:			_	\$360.25	
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B. INCOME ABOVE VARIABLE COSTS:				\$191.00	
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$73.71	\$73.71	
TICAOTOTOWNACTINALIA	AOIL	1.00	ψ1 Ο.7 1	Ψισ.ιι	
TOTAL FIXED COSTS:			_	\$73.71	
TOTAL TREE GOOTS.				ψ. σ	
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$360.25	7.0%	\$25.22	
TOTAL OTHER COSTS:			=	\$25.22	
6. TOTAL COSTS:				\$459.18	
7. NET RETURNS TO LAND, RISK, AND MANA	AGEMENT:			\$92.07	
BREAK-EVEN YIELD		BF	REAK-EVEN PRI	CE.	
VARIABLE COSTS	48	BU.	VARIABLE C		\$4.80
TOTAL COSTS	62	BU.	TOTAL COS	TS	\$6.12
TOTAL COSTS	62	BU.	TOTAL COS	18	\$6.12

⁻THIS BUDGET WAS DEVELOPED FOR PLANNING PURPOSES ONLY AND DOES NOT INCLUDE LAND RENT, EACH GROWER SHOULD CALCULATE THEIR COST BASED ON THEIR PRICE OF INPUTS, LOCATION, AND MAINTENECE PRACTICES

⁻ FERTILIZER AMOUNTS ARE BASED ON HISTORICAL DATA OF REMOVAL RATES FOR N, P2O5, K20 AND YEILD. GROWERS SHOULD SOIL SAMPLE TO DETERMINE RATES OF APPLICATION FOR NUTRIENTS IN WHEAT



WHEAT FOR GRAIN								
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR WHEAT								
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED		
		OVER	HOURS	HOURS	COSTS	COSTS		
11	HEAVY DISK 16'	1.00	0.14	0.12	\$4.56	\$7.08		
11	TANDOM LIGHT DISK 20'	1.00	0.14	0.12	\$3.80	\$5.02		
6	GRAIN DRILL 13' W/ CULTIPACKER	1.00	0.19	0.16	\$3.98	\$5.37		
6	TRACTOR MTD SPRAYER 90FT	3.00	0.11	0.09	\$4.08	\$12.48		
6	COMBINE W/ HEADER 20'	1.00	0.22	0.18	\$45.65	\$43.76		
PER AC	RE TOTALS FOR							
SELECT	ED OPERATIONS		0.80	0.67	\$62.07	\$73.71		
UNALLC	OCATED LABOR(HRS./AC.)		1.00					

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES								
YIELD		PRICE (\$/bu.)						
BU.	\$6.62	\$6.98	\$7.35	\$7.72	\$8.09			
68	\$90.96	\$115.44	\$140.60	\$165.76	\$190.92			
71	\$110.37	\$135.93	\$162.20	\$188.47	\$214.74			
75	\$136.25	\$163.25	\$191.00	\$218.75	\$246.50			
79	\$162.13	\$190.57	\$219.80	\$249.03	\$278.26			
83	\$188.01	\$217.89	\$248.60	\$279.31	\$310.02			

^{*}THE YEILD REPRESENTED IN THIS BUDGET IS NOT A FUNCTION OF THE MAINTENANCE PRACTICES LISTED. IT IS ASSUMED FARMERS WILL ADJUST THEIR MAINTENANCE PRACTICES BASED ON THEIR ABILITY TO MAXIMIZE PROFIT WITH THEIR GIVEN YEILD HISTORY.

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^{**}HERBICIDE COST ASSUME NO RESISTANCE MANAGEMENT, GROWERS SHOULD ONLY APPLY PESTICIDES AS NEEDED

^{***}FEED WHEAT PRICES IN THIS BUDGET ARE BASED ON FUTURES PRICES + .80 BASIS FOR LOCAL CONTRACTS AS OF 12-15-2022, PRICE AND BASIS FOR FEED WHEAT IN NORTH CAROINA IS RELATIVE TO THE PRICE OF CORN