



# Wheat, No-Till-2025

NC STATE  
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2025  
75 BUSHEL YIELD AVERAGE HISTORY\*

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
WHEAT***	BU.	75.00	\$5.13	\$384.75	_____
TOTAL RECEIPTS:				<b>\$384.75</b>	_____
<b>2. VARIABLE COSTS</b>					
WHEAT SEED	MIL	1.50	\$36.07	\$54.11	_____
FERTILIZER					
UAN-32	LBS	313.00	\$0.15	\$46.95	_____
46% SUPERPHOSPHATE	LBS	82.00	\$0.35	\$28.70	_____
0-0-60 MURATE OF POTASH	LBS	46.00	\$0.23	\$10.58	_____
LIME SPREAD	TON	0.33	\$82.00	\$27.06	_____
HERBICIDES**	ACRE	1.00	\$46.28	\$46.28	_____
FUNGICIDES**	ACRE	1.00	\$3.75	\$3.75	_____
INSECTICIDES**	ACRE	1.00	\$0.00	\$0.00	_____
HAULING	BU.	75.00	\$0.15	\$11.25	_____
TRACTOR/MACHINERY	ACRE	1.00	\$78.48	\$78.48	_____
SOIL SAMPLE	ACRE	1.00	\$4.00	\$4.00	_____
LABOR	HRS	1.69	\$15.81	\$26.72	_____
INTEREST ON OP. CAP.	DOL.	\$161.32	5.375%	\$8.67	_____
TOTAL VARIABLE COSTS:				<b>\$346.55</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$38.20</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$84.23	\$84.23	_____
TOTAL FIXED COSTS:				<b>\$84.23</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$346.55	7.0%	\$24.26	_____
TOTAL OTHER COSTS:				<b>\$24.26</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$455.04</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$70.29</b>	_____

### BREAK-EVEN YIELD

VARIABLE COSTS  
TOTAL COSTS

67 BU.  
89 BU.

### BREAK-EVEN PRICE

VARIABLE COSTS  
TOTAL COSTS

\$4.62  
\$6.07

-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 MAINTENANCE PRACTICES

- FERTILIZER AMOUNTS ARE BASED ON HISTORICAL DATA OF REMOVAL RATES FOR N, P2O5, K2O AND YEILD. GROWERS SHOULD SOIL SAMPLE TO DETERMINE RATES OF APPLICATION FOR NUTRIENTS IN WHEAT



**WHEAT FOR GRAIN**

<b>PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 65 BUSHEL WHEAT</b>						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
11	NO-TILL DRILL 12'	1.00	0.25	0.21	\$6.41	\$7.39
6	HIBOY 90'	4.00	0.14	0.12	\$24.44	\$28.80
6	COMBINE W/ HEADER 20'	1.00	0.22	0.18	\$45.65	\$43.76
6	FERTILIZER SPREADER	1.00	0.14	0.12	\$1.98	\$4.28
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.75	0.63	\$78.48	\$84.23
UNALLOCATED LABOR(HRS./AC.)			0.94			

<b>INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES</b>					
YIELD	PRICE (\$/bu.)				
BU.	\$4.62	\$4.87	\$5.13	\$5.39	\$5.64
68	-\$31.34	-\$14.34	\$3.34	\$21.02	\$38.02
71	-\$17.93	-\$0.18	\$18.28	\$36.74	\$54.49
75	-\$0.05	\$18.70	\$38.20	\$57.70	\$76.45
79	\$17.83	\$37.58	\$58.12	\$78.66	\$98.41
83	\$35.71	\$56.46	\$78.04	\$99.62	\$120.37

\*THE YIELD 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 YIELD HISTORY .

\*\*HERBICIDE COST ASSUMED NO RESISTANCE MANAGEMENT, GROWERS SHOULD ONLY APPLY PESTICIDES AS NEEDED

\*\*\*FEED WHEAT PRICES IN THIS BUDGET ARE BASED ON FUTURES PRICES + .90 BASIS FOR NC CONTRACTS FORWARD AT 2025 HARVEST AND BASIS FOR FEED WHEAT IN NORTH CAROLINA IS RELATIVE TO THE PRICE OF CORN

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