



# Wheat, High Yield History\*-2025

NC STATE  
UNIVERSITY

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

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
WHEAT***	BU.	95.00	\$5.13	\$487.35	_____
TOTAL RECEIPTS:				<b>\$487.35</b>	_____
<b>2. VARIABLE COSTS</b>					
WHEAT SEED	MIL	1.50	\$39.34	\$59.01	_____
FERTILIZER					
UAN-32	LBS	372.00	\$0.15	\$55.80	_____
46% SUPERPHOSPHATE	LBS	104.00	\$0.35	\$36.40	_____
0-0-60 MURATE OF POTASH	LBS	59.00	\$0.23	\$13.57	_____
LIME SPREAD	TON	0.33	\$82.00	\$27.06	_____
HERBICIDES**	ACRE	1.00	\$37.62	\$37.62	_____
FUNGICIDES**	ACRE	1.00	\$14.18	\$14.18	_____
INSECTICIDES**	ACRE	1.00	\$2.02	\$2.02	_____
FERTILIZER SPREADING	ACRE	1.00	\$12.00	\$12.00	_____
HAULING	BU.	95.00	\$0.15	\$14.25	_____
TRACTOR/MACHINERY	ACRE	1.00	\$76.94	\$76.94	_____
CONSULTING SERVICES****	ACRE	1.00	\$26.00	\$26.00	_____
LABOR	HRS	1.55	\$15.81	\$24.51	_____
INTEREST ON OP. CAP.	DOL.	\$173.56	5.375%	\$9.33	_____
TOTAL VARIABLE COSTS:				<b>\$408.69</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$78.66</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$84.96	\$84.96	_____
TOTAL FIXED COSTS:				<b>\$84.96</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$408.69	7.0%	\$28.61	_____
TOTAL OTHER COSTS:				<b>\$28.61</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$522.26</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$34.91</b>	_____

### BREAK-EVEN YIELD

VARIABLE COSTS	79	BU.
TOTAL COSTS	102	BU.

### BREAK-EVEN PRICE

VARIABLE COSTS	\$4.30
TOTAL COSTS	\$5.50

-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, K2O AND YIELD. 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	HEAVY DISK 20'	1.00	0.12	0.10	\$4.61	\$8.00
11	TANDOM LIGHT DISK 30'	1.00	0.08	0.07	\$4.95	\$6.84
6	GRAIN DRILL 16'	1.00	0.16	0.13	\$3.40	\$4.76
6	HIBOY 90'	3.00	0.11	0.09	\$18.33	\$21.60
6	COMBINE W/ HEADER 20'	1.00	0.22	0.18	\$45.65	\$43.76
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.69	0.57	\$76.94	\$84.96
UNALLOCATED LABOR(HRS./AC.)			0.86			

<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
86	-\$10.02	\$11.48	\$33.84	\$56.20	\$77.70
90	\$7.86	\$30.36	\$53.76	\$77.16	\$99.66
95	\$30.21	\$53.96	\$78.66	\$103.36	\$127.11
100	\$52.56	\$77.56	\$103.56	\$129.56	\$154.56
105	\$74.91	\$101.16	\$128.46	\$155.76	\$182.01

\*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

\*\*\*\*CONSULTING SERVICES INCLUDES SOIL SAMPLING WITH ANALYSIS AND IN SEASON SCOUTING

AND BASIS FOR FEED WHEAT IN NORTH CAROLINA IS RELATIVE TO THE PRICE OF CORN

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