



# Wheat, Low Yield History\*-2024

NC STATE UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2024  
60 BUSHEL YIELD AVERAGE HISTORY\*

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
WHEAT***	BU.	60.00	\$7.60	\$456.00	_____
TOTAL RECEIPTS:				<b>\$456.00</b>	_____
<b>2. VARIABLE COSTS</b>					
WHEAT SEED	MIL	1.50	\$43.00	\$64.50	_____
FERTILIZER					
UAN-32	LBS	235.00	\$0.64	\$150.40	_____
46% SUPERPHOSPHATE	LBS	66.00	\$0.46	\$30.36	_____
0-0-60 MURATE OF POTASH	LBS	37.00	\$0.51	\$18.87	_____
LIME SPREAD	TON	0.33	\$85.00	\$28.05	_____
HERBICIDES**	ACRE	1.00	\$11.63	\$11.63	_____
FUNGICIDES**	ACRE	1.00	\$0.00	\$0.00	_____
INSECTICIDES**	ACRE	1.00	\$0.00	\$0.00	_____
FERTILIZER SPREADING	ACRE	1.00	\$12.00	\$12.00	_____
HAULING	BU.	60.00	\$0.15	\$9.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$54.05	\$54.05	_____
CONSULTING SERVICES****	ACRE	1.00	\$6.00	\$6.00	_____
LABOR	HRS	1.31	\$14.91	\$19.53	_____
INTEREST ON OP. CAP.	DOL.	\$194.70	8.5%	\$16.55	_____
TOTAL VARIABLE COSTS:				<b>\$420.94</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$35.06</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$58.27	\$58.27	_____
TOTAL FIXED COSTS:				<b>\$58.27</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$420.94	7.0%	\$29.47	_____
TOTAL OTHER COSTS:				<b>\$29.47</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$508.68</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$52.68</b>	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	55 BU.	VARIABLE COSTS	\$7.02
TOTAL COSTS	67 BU.	TOTAL COSTS	\$8.48

-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 YIELD. GROWERS SHOULD SOIL SAMPLE TO DETERMINE RATES OF APPLICATION FOR NUTRIENTS IN WHEAT

**WHEAT FOR GRAIN****PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 65 BUSHEL WHEAT**

MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
11	TANDOM LIGHT DISK 20'	1.00	0.14	0.12	\$3.80	\$5.02
6	BROADCAST SEEDER	1.00	0.12	0.10	\$1.52	\$1.77
6	TRACTOR MTD SPRAYER 60 FT	2.00	0.10	0.08	\$3.08	\$7.72
6	COMBINE W/ HEADER 20'	1.00	0.22	0.18	\$45.65	\$43.76
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.58	0.48	\$54.05	\$58.27
UNALLOCATED LABOR(HRS./AC.)			0.73			

**INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES**

YIELD	PRICE (\$/bu.)				
BU.	\$6.84	\$7.22	\$7.60	\$7.98	\$8.36
54	-\$50.68	-\$30.16	-\$9.64	\$10.88	\$31.40
57	-\$30.61	-\$8.95	\$12.71	\$34.37	\$56.03
60	-\$10.54	\$12.26	\$35.06	\$57.86	\$80.66
63	\$9.53	\$33.47	\$57.41	\$81.35	\$105.29
66	\$29.60	\$54.68	\$79.76	\$104.84	\$129.92

\*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 LOCAL CONTRACTS AS OF 12-5-2023, PRICE AND BASIS FOR FEED WHEAT IN NORTH CAROLINA IS RELATIVE TO THE PRICE OF CORN

\*\*\*\*CONSULTING SERVICES INCLUDES SOIL SAMPLING ONLY

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