

# Corn, Low Yield History\* - 2025

NC STATE  
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2025  
120 BUSHEL AVERAGE YIELD HISTORY

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
CORN***	BU	120.00	\$5.16	\$619.20	_____
TOTAL RECEIPTS:				<b>\$619.20</b>	_____
<b>2. VARIABLE COSTS</b>					
CORN SEED	THOU.	27.00	\$3.56	\$96.12	_____
FERTILIZER					
18-46-0 DAP	LBS	115.00	\$0.39	\$44.85	_____
UAN-32	LBS	275.00	\$0.15	\$41.25	_____
46% SUPERPHOSPHATE	LBS	0.00	\$0.35	\$0.00	_____
0-0-60 MURATE OF POTASH	LBS	52.00	\$0.23	\$11.96	_____
LIME SPREAD	TON	0.33	\$82.00	\$27.06	_____
HERBICIDES**	ACRE	1.00	\$25.72	\$25.72	_____
FUNGICIDES**	ACRE	1.00	\$0.00	\$0.00	_____
DRYING (3 POINTS)	BU.	120.00	\$0.20	\$24.00	_____
HAULING	BU.	120.00	\$0.60	\$72.00	_____
FERTILIZER SPREADING	ACRE	1.00	\$12.00	\$12.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$73.66	\$73.66	_____
CONSULTING SERVICES****	ACRE	1.00	\$6.00	\$6.00	_____
LABOR	HRS	2.00	\$15.81	\$31.62	_____
INTEREST ON OP. CAP.	DOL.	\$176.12	5.375%	\$9.47	_____
TOTAL VARIABLE COSTS:				<b>\$475.71</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$143.49</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$131.02	\$131.02	_____
TOTAL FIXED COSTS:				<b>\$131.02</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$475.71	7.0%	\$33.30	_____
TOTAL OTHER COSTS:				<b>\$33.30</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$640.03</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$20.83</b>	_____

## BREAK-EVEN YIELD

VARIABLE COSTS	92	BU.	<u>BREAK-EVEN PRICE</u>	VARIABLE COSTS	\$3.96
TOTAL COSTS	124	BU.	TOTAL COSTS		\$5.33

-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 CORN

-IT IS ASSUMED GROWERS ARE PRACTICING REFUGE PLANTING

**CORN FOR GRAIN - LOW YIELD****PER ACRE MACHINERY AND LABOR REQUIREMENTS**

MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
2	HEAVY DISK 16'	1.00	0.14	0.12	\$4.74	\$11.26
2	TANDOM LIGHT DISK 20'	1.00	0.12	0.10	\$6.81	\$14.85
5	PLANTER 8-ROW	1.00	0.13	0.11	\$4.98	\$21.00
5	TRACTOR MTD SPRAYER 60 FT	2.00	0.10	0.08	\$3.18	\$11.24
5	COMBINE W/ HEADER 20'	1.00	0.22	0.18	\$46.76	\$66.56
5	GRAIN CART 1100	1.00	0.16	0.13	\$7.19	\$6.11
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.87	0.72	\$73.66	\$131.02
UNALLOCATED LABOR(HRS./AC.)			1.09			

-EQUIPMENT SELECTION IN THESE BUDGETS VARY FOR COST REPRESENTATION OF VARIATION IN PRACTICES, ACTUAL EQUIPMENT SELECTION WILL VARY FROM FARM TO FARM AND REGION TO REGION

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

YIELD	PRICE (\$/bu.)				
BU.	\$4.64	\$4.90	\$5.16	\$5.42	\$5.68
101	\$6.95	\$33.21	\$59.47	\$85.73	\$111.99
110	\$41.41	\$70.01	\$98.61	\$127.21	\$155.81
120	\$79.69	\$110.89	\$142.09	\$173.29	\$204.49
130	\$117.97	\$151.77	\$185.57	\$219.37	\$253.17
139	\$152.43	\$188.57	\$224.71	\$260.85	\$296.99

\*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

\*\*\*CORN PRICES IN THIS BUDGET ARE BASED ON FUTURES PRICES + .85 BASIS FOR LOCAL CONTRACTS FORWARD AT 2025 HARVEST

\*\*\*\*CONSULTING SERVICES INCLUDE SOIL SAMPLING ONLY

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