

# Corn, No-Till- 2025

NC STATE  
UNIVERSITY

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

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
CORN***	BU.	170.00	\$5.16	\$877.20	_____
TOTAL RECEIPTS:				<b>\$877.20</b>	_____
<b>2. VARIABLE COSTS</b>					
CORN SEED	THOU.	30.00	\$3.56	\$106.80	_____
FERTILIZER					
18-46-0 DAP	LBS	163.00	\$0.39	\$63.57	_____
UAN-32	LBS	388.00	\$0.15	\$58.20	_____
46% SUPERPHOSPHATE	LBS	0.00	\$0.35	\$0.00	_____
0-0-60 MURATE OF POTASH	LBS	74.00	\$0.23	\$17.02	_____
LIME SPREAD	TON	0.33	\$82.00	\$27.06	_____
HERBICIDES**	ACRE	1.00	\$43.33	\$43.33	_____
FUNGICIDES**	ACRE	1.00	\$0.00	\$0.00	_____
DRYING (3 POINTS)	BU.	170.00	\$0.20	\$34.00	_____
HAULING	BU.	170.00	\$0.60	\$102.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$76.83	\$76.83	_____
SOIL SAMPLE	ACRE	1.00	\$16.00	\$16.00	_____
LABOR	HRS	1.58	\$15.81	\$24.98	_____
INTEREST ON OP. CAP.	DOL.	\$208.90	5.375%	\$11.23	_____
TOTAL VARIABLE COSTS:				<b>\$581.02</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$296.18</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$127.79	\$127.79	_____
TOTAL FIXED COSTS:				<b>\$127.79</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$581.02	7.0%	\$40.67	_____
TOTAL OTHER COSTS:				<b>\$40.67</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$749.48</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>\$127.72</b>	_____

<b><u>BREAK-EVEN YIELD</u></b>		<b><u>BREAK-EVEN PRICE</u></b>	
VARIABLE COSTS	113 BU.	VARIABLE COSTS	\$3.42
TOTAL COSTS	145 BU.	TOTAL COSTS	\$4.41

-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 CORN  
 -IT IS ASSUMED THAT GROWERS ARE PRACTICING REFUGE PLANTING

**CORN FOR GRAIN - NO TILL**

<b>PER ACRE MACHINERY AND LABOR REQUIREMENTS</b>						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
2	PLANTER NO-TILL 12-ROW	1.00	0.11	0.09	\$8.35	\$27.19
2	HIBOY 90'	3.00	0.07	0.06	\$12.48	\$21.48
5	COMBINE W/ HEADER 20'	1.00	0.22	0.18	\$46.76	\$66.56
5	FERTILIZER SPREADER	1.00	0.14	0.12	\$2.05	\$6.45
5	GRAIN CART 1100	1.00	0.16	0.13	\$7.19	\$6.11
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.70	0.58	\$76.83	\$127.79
UNALLOCATED LABOR(HRS./AC.)			0.88			

-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
143		\$102.43	\$139.61	\$176.79	\$213.97	\$251.15
156		\$152.20	\$192.76	\$233.32	\$273.88	\$314.44
170		\$205.80	\$250.00	\$294.20	\$338.40	\$382.60
184		\$259.39	\$307.23	\$355.07	\$402.91	\$450.75
197		\$309.16	\$360.38	\$411.60	\$462.82	\$514.04

\*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

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