

# Corn, Moderate Yield History\* - 2025

NC STATE  
UNIVERSITY

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

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
CORN***	BU	140.00	\$5.16	\$722.40	_____
TOTAL RECEIPTS:				<b>\$722.40</b>	_____
<b>2. VARIABLE COSTS</b>					
CORN SEED	THOU.	29.00	\$3.56	\$103.24	_____
18-46-0 DAP	LBS	134.00	\$0.39	\$52.26	_____
UAN-32	LBS	320.00	\$0.15	\$48.00	_____
46% SUPERPHOSPHATE	LBS	0.00	\$0.35	\$0.00	_____
0-0-60 MURATE OF POTASH	LBS	61.00	\$0.23	\$14.03	_____
LIME SPREAD	TON	0.33	\$82.00	\$27.06	_____
HERBICIDES**	ACRE	1.00	\$27.13	\$27.13	_____
FUNGICIDES**	ACRE	1.00	\$0.00	\$0.00	_____
DRYING (3 POINTS)	BU.	140.00	\$0.20	\$28.00	_____
HAULING	BU.	140.00	\$0.60	\$84.00	_____
FERTILIZER SPREADING	ACRE	1.00	\$12.00	\$12.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$81.82	\$81.82	_____
CONSULTING SERVICES	ACRE	1.00	\$16.00	\$16.00	_____
LABOR	HRS	1.73	\$15.81	\$27.35	_____
INTEREST ON OP. CAP.	DOL.	\$190.45	5.375%	\$10.24	_____
TOTAL VARIABLE COSTS:				<b>\$531.13</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$191.27</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$141.58	\$141.58	_____
TOTAL FIXED COSTS:				<b>\$141.58</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$531.13	7.0%	\$37.18	_____
TOTAL OTHER COSTS:				<b>\$37.18</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$709.89</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>\$12.51</b>	_____

## BREAK-EVEN YIELD

VARIABLE COSTS	103	BU.
TOTAL COSTS	138	BU.

## BREAK-EVEN PRICE

VARIABLE COSTS	\$3.79
TOTAL COSTS	\$5.07

-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 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 - MODERATE YIELD****PER ACRE MACHINERY AND LABOR REQUIREMENTS**

MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
2	HEAVY DISK 20'	1.00	0.12	0.10	\$4.78	\$12.70
2	TANDOM LIGHT DISK 30'	1.00	0.08	0.07	\$5.05	\$10.83
5	PLANTER 12-ROW	1.00	0.12	0.10	\$5.56	\$23.90
5	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	GRAIN CART 1100	1.00	0.16	0.13	\$7.19	\$6.11
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.77	0.64	\$81.82	\$141.58
UNALLOCATED LABOR(HRS./AC.)			0.96			

-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
118	\$32.61	\$63.29	\$93.97	\$124.65	\$155.33
129	\$74.73	\$108.27	\$141.81	\$175.35	\$208.89
140	\$116.84	\$153.24	\$189.64	\$226.04	\$262.44
151	\$158.95	\$198.21	\$237.47	\$276.73	\$315.99
162	\$201.06	\$243.18	\$285.30	\$327.42	\$369.54

\*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 WITH ANALYSIS

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