Corn, Low Yield History*- 2024

NC STATE UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2024 120 BUSHEL AVERAGE YIELD HISTORY

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
	_	-,-			
1. GROSS RECEIPTS			.	4-44.00	
CORN***	BU	120.00	\$5.95	\$714.00 _	
TOTAL RECEIPTS:				\$714.00 _	
2. VARIABLE COSTS					
CORN SEED	THOU.	27.00	\$1.70	\$45.90	
FERTILIZER				_	
18-46-0 DAP	LBS	115.00	\$0.56	\$64.40	
UAN-32	LBS	275.00	\$0.64	\$176.00	
46% SUPERPHOSPHATE	LBS	0.00	\$0.46	\$0.00	
0-0-60 MURATE OF POTASH	LBS	52.00	\$0.51	\$26.52	
LIME SPREAD	TON	0.33	\$85.00	\$28.05	
HERBICIDES**	ACRE	1.00	\$30.44		
FUNGICIDES**	ACRE	1.00	\$0.00	\$0.00	
DRYING (3 POINTS)	BU.	120.00	\$0.00	φυ.00 <u></u>	
, ,	BU.			φ24.00 <u></u>	
HAULING		120.00	\$0.60		
FERTILIZER SPREADING	ACRE	1.00	\$12.00	\$12.00 _	
TRACTOR/MACHINERY	ACRE	1.00	\$79.99		
CONSULTING SERVICES****	ACRE	1.00	\$6.00		
LABOR	HRS	2.00	\$14.91	\$29.82 _	
INTEREST ON OP. CAP.	DOL.	\$240.56	8.5%	\$20.45 _	
TOTAL VARIABLE COSTS:			=	\$615.57 _	
. INCOME ABOVE VARIABLE COSTS:				\$98.43 _	
FIVED COOTS					
I. FIXED COSTS	4.005	4.00	044745	04.47.45	
TRACTOR/MACHINERY	ACRE	1.00	\$147.15	\$147.15 <u> </u>	
			=		
TOTAL FIXED COSTS:				\$147.15 _	
S. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$615.57	7.0%	\$43.00	
GENERAL OVERTIEAD	DOL.	ψ013.37	7.070	Ψ45.09 _	
TOTAL OTHER COSTS:			=	\$43.09 _	
. TOTAL COSTS:				\$805.81 _	
. NET RETURNS TO LAND, RISK, AND MAN	NAGEMENT:			-\$91.81	
BREAK-EVEN YIELD		RD	REAK-EVEN PRI	CE	
VARIABLE COSTS	103	BU.	VARIABLE C		\$5.13
TOTAL COSTS	135	BU.	TOTAL COS		\$5.13 \$6.72
IOIAL GOOTS	133	DO.	TOTAL COS	10	φυ./ ۷

⁻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, K20 AND YIELD. GROWERS SHOULD S 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	LABOR	MACHINE	VARIABLE	FIXED		
		OVER	HOURS	HOURS	COSTS	COSTS		
	LIEANA/ BIOK 401	4.00	0.44	0.40	# 5.00	040.74		
2	HEAVY DISK 16'	1.00	0.14	0.12	\$5.39	\$12.74		
2	TANDOM LIGHT DISK 20'	1.00	0.12	0.10	\$7.28	\$16.81		
5	PLANTER 8-ROW	1.00	0.13	0.11	\$5.35	\$23.53		
5	TRACTOR MTD SPRAYER 60 FT	2.00	0.10	0.08	\$3.56	\$12.48		
5	COMBINE W/ HEADER 20'	1.00	0.22	0.18	\$50.78	\$74.69		
5	GRAIN CART 1100	1.00	0.16	0.13	\$7.63	\$6.90		
	RE TOTALS FOR ED OPERATIONS		0.87	0.72	\$79.99	\$147.15		
UNALLC	CATED LABOR(HRS./AC.)		1.09		,	, , , , , ,		

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

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES									
YIELD		PRICE (\$/bu.)							
BU.	\$5.36	\$5.65	\$5.95	\$6.25	\$6.55				
101	-\$60.19	-\$30.90	-\$0.60	\$29.70	\$60.00				
110	-\$19.25	\$12.65	\$45.65	\$78.65	\$111.65				
120	\$26.23	\$61.03	\$97.03	\$133.03	\$169.03				
130	\$71.71	\$109.41	\$148.41	\$187.41	\$226.41				
139	\$112.65	\$152.96	\$194.66	\$236.36	\$278.06				

^{*}THE YIELD REPRESENTED IN THIS BUDGET IS NOT A FUNCTION OF THE MAINTENANCE PRACTICES LISTED. IT IS ASSUMED FARME WILL ADJUST THEIR MAINTENANCE PRACTICES BASED ON THEIR ABILITY TO MAXIMIZE PROFIT WITH THEIR GIVEN YIELD HISTORY.

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^{**}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 AS OF 12-5-2023

^{****}CONSULTING SERVICES INCLUDE SOIL SAMPLING ONLY