Corn, Moderate Yield History*- 2024

NC STATE UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2024 140 BUSHEL AVERAGE YIELD HISTORY

			PRICE OR	TOTAL	YOUF
	UNIT	QUANTITY	COST/UNIT	PER ACRE	FARM
. GROSS RECEIPTS					
CORN***	BU	140.00	\$5.95	\$833.00 _	
				_	
TOTAL RECEIPTS:				\$833.00 _	
2. VARIABLE COSTS					
CORN SEED	THOU.	29.00	\$2.03	\$58.87 _	
FERTILIZER					
18-46-0 DAP	LBS	134.00	\$0.56	\$75.04 _	
UAN-32	LBS	320.00	\$0.64	\$204.80 _	
46% SUPERPHOSPHATE	LBS	0.00	\$0.46	\$0.00 _	
0-0-60 MURATE OF POTASH	LBS	61.00	\$0.51	\$31.11 _	
LIME SPREAD	TON	0.33	\$85.00	\$28.05 _	
HERBICIDES**	ACRE	1.00	\$32.52	\$32.52	
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	\$88.51	\$88.51	
CONSULTING SERVICES	ACRE	1.00	\$16.00	\$16.00	
LABOR	HRS	1.73	\$14.91	\$25.79	
INTEREST ON OP. CAP.	DOL.	\$272.35	8.5%	\$23.15	
TOTAL VARIABLE COSTS:			=	\$707.84	
3. INCOME ABOVE VARIABLE COSTS:				\$125.16	
4. FIXED COSTS TRACTOR/MACHINERY	ACRE	1.00	\$159.01	\$159.01 _	
TRACTORMACHINERT	ACRE	1.00	\$159.01	\$159.01	
TOTAL FIXED COSTS:			=	\$159.01 _	
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$707.84	7.0%	\$49.55 _	
TOTAL OTHER COSTS:			=	\$49.55 _	
6. TOTAL COSTS:				\$916.40	
				-\$83.40	
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:					

BREAK-EVEN YIELD	BREAK-EVEN PRICE				
VARIABLE COSTS	119	BU.	VARIABLE COSTS	\$5.06	
TOTAL COSTS	154	BU.	TOTAL COSTS	\$6.55	

-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

MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
-		OVER	HOURS	HOURS	COSTS	COSTS
2	HEAVY DISK 20'	1.00	0.12	0.10	\$5.39	\$14.38
2	TANDOM LIGHT DISK 30'	1.00	0.08	0.07	\$5.43	\$12.25
5	PLANTER 12-ROW	1.00	0.12	0.10	\$5.96	\$26.79
5	HIBOY 90'	3.00	0.07	0.06	\$13.32	\$24.00
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					•
SELECTED OPERATIONS		0.77	0.64	\$88.51	\$159.01	
UNALLOCATED LABOR(HRS./AC.)			0.96			

-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		
118	-\$59.14	-\$24.92	\$10.48	\$45.88	\$81.28		
129	-\$9.10	\$28.31	\$67.01	\$105.71	\$144.41		
140	\$40.93	\$81.53	\$123.53	\$165.53	\$207.53		
151	\$90.96	\$134.75	\$180.05	\$225.35	\$270.65		
162	\$140.99	\$187.97	\$236.57	\$285.17	\$333.77		

*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. ***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 WITH ANALYSIS

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