Corn, Conventional-2022

NC STATE UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2022

140 BUSHEL YIELD					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
. GROSS RECEIPTS					
CORN	BU.	140.00	\$6.07	\$849.80 _	
TOTAL RECEIPTS:				\$849.80 _	
2. VARIABLE COSTS					
SEED	THOU.	30.00	\$2.66	\$79.68 _	
FERTILIZER					
18-46-0	LBS	135.00	\$0.41	\$55.35 _	
NITROGEN (30% solution)	CWT	3.10	\$25.55	\$79.21 _	
PHOSPHATE (0-46-0)	LBS	0.00	\$0.26	\$0.00	
POTASH (0-0-60)	LBS	60.00	\$0.43	\$25.80	
LIME (PRÒRATED)	TON	0.33	\$54.50	\$17.99	
HERBICIDES	ACRE	1.00	\$43.67		
INSECTICIDES	ACRE	1.00	\$0.00		
FUNGICIDES	ACRE	1.00	\$0.00	\$0.00 _	
SURFACTANT	ACRE	1.00	\$4.37	φυ.υυ ¢4.27	
DRYING (3 POINTS)	BU.	140.00	\$0.30	φ 4 .57 _	
HAULING	BU.	140.00		\$42.00 <u></u>	
	ВО. ACRE		\$0.50	\$70.00 <u></u>	
TRACTOR/MACHINERY		1.00	\$31.89	\$31.89 _	
SCOUTING	ACRE	1.00	\$12.00		
LABOR	HRS	2.12	\$13.15		
INTEREST ON OP. CAP.	DOL.	\$182.92	2.0%	\$3.66 _	
TOTAL VARIABLE COSTS:			=	\$493.50 _	
INCOME ABOVE VARIABLE COSTS:				\$356.30 _	
FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$57.76	\$57.76	
TOTAL FIXED COSTS:				\$57.76 <u> </u>	
. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$493.50	7.0%	\$34.55 _	
TOTAL OTHER COSTS:			=	\$34.55 _	
. TOTAL COSTS:				\$585.81 _	
. NET RETURNS TO LAND, RISK, AND MA	NAGEMENT:			\$263.99 _	
BREAK-EVEN YIELD		BREAK-EVEN PRICE		<u>CE</u>	
VARIABLE COSTS	81	1 BU. VARIABLE COSTS		COSTS	\$3.53
TOTAL COSTS	97	BU.	TOTAL COS		\$4.18

^{*}FERTILIZER COST IS A PRICE PER LB OF FERTILIZER LISTED, FARMERS SHOULD USE SOIL TEST TO DETERIMINE NUTRIENT RATES

*FERTILIZER AMOUNTS ARE BASED ON REMOVAL RATES, NUTRIENT REMOVAL RATES CAN BE FOUND HERE

^{*} THIS BUDGET WAS DEVELOPED FOR PLANNING PURPOSES ONLY AND DOES NOT INCLUDE LAND RENT

^{*}EACH GROWER SHOULD CALCULATE THEIR COST BASED ON THEIR AVERAGE PRICE OF INPUTS AND LOCATION

^{*}SCOUTING COST REPRESENT CUSTOM SOIL TESTING BUT NOT MONITORING CROPS FOR INSECTS OR DISEASE

CORN FOR GRAIN - CONVENTIONAL TILLAGE						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 128 BUSHEL CORN						
MONTH OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED	
	OVER	HOURS	HOURS	COSTS	COSTS	
11 thru 3 HEAVY DISK 14'	1.00	0.17	0.15	\$4.61	\$6.34	
3, 4, or 5 LIGHT DISKING W/ HERBICIDE 20'	1.00	0.14	0.12	\$3.77	\$3.16	
3, 4, or 5 PLANTER 12-ROW	1.00	0.12	0.10	\$5.42	\$14.25	
3,4 or 4,5 HIBOY 90'	2.00	0.07	0.06	\$1.52	\$13.54	
9 thru 11 COMBINE W/ HEADER 24'	1.00	0.17	0.15	\$9.40	\$17.60	
9 thru 11 GRAIN CART 1100	1.00	0.15	0.13	\$7.17	\$2.87	
PER ACRE TOTALS FOR						
SELECTED OPERATIONS		0.94	0.71	\$31.89	\$57.76	
UNALLOCATED LABOR(HRS./AC.)		1.18				

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES							
YIELD		PRICE (\$/bu.)					
BU.	\$5.46	\$5.77	\$6.07	\$6.37	\$6.68		
126	\$203.46	\$242.52	\$280.32	\$318.12	\$357.18		
133	\$235.95	\$277.18	\$317.08	\$356.98	\$398.21		
140	\$268.45	\$311.85	\$353.85	\$395.85	\$439.25		
147	\$300.95	\$346.52	\$390.62	\$434.72	\$480.29		
154	\$333.45	\$381.19	\$427.39	\$473.59	\$521.33		

^{*}NC STATE DOES NOT ENDORSE ANY COMPANY OR CHEMICAL NAMES ASSOCIATED TO ACTIVE INGREDIENTS

^{*}FARMERS SHOULD CONSULT THE NC CHEMICAL MANUALS FOR RATES AND RESTRICTIONS BEFORE APPLICATIN, CLICK HERE
**CHEMICALS LISTED ARE NOT A RECOMMENDATION FOR CHEMICAL USE BUT A REPRESENTATION OF COST ASSUMPTIONS ONLY

CHEMICAL USE ASSUMPTIONS FOR 140 BUSHEL CORN CONVENTIONAL					
			PRICE OR	TOTAL	
	UNIT	QUANTITY	COST/UNIT	PER ACRE	MONTH
**HERBICIDES:					
s-metolachlor+atrazine (Bicep)	QT	2.10	\$10.94	\$22.97	APR
glyphosate (Roundup ultra)	QT	1.00	\$5.63	\$5.63	MAR
2,4-D	PT	1.00	\$2.83	\$2.83	MAR
dicamba (Banvel)	PT	1.00	\$12.24	\$12.24	APR
**INSECTICIDES:					
**FUNGICIDES					
TOTAL:				\$43.67	

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^{*}COST ASSUME NO RESISTANCE MANAGEMENT AND LOW WEED PRESSURE