Corn, Coastal Plain-Conventional-2021 NC STATE UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2021 128 BUSHEL YIELD, AVERAGE

·			PRICE OR	TOTAL	YOUR
	UNIT	QUANTITY	COST/UNIT	PER ACRE	FARM
. GROSS RECEIPTS					
CORN	BU.	128.00	\$4.49	\$574.72	
TOTAL RECEIPTS:				\$574.72	
. VARIABLE COSTS					
SEED	THOU.	28.00	\$2.656	\$74.37	
FERTILIZER			<i> </i>	<i>••••••</i>	
18-46-0	LBS	234.00	\$0.25	\$58.50	
NITROGEN (30% solution)	LBS	243.00	\$0.14		
PHOSPHATE (0-46-0)	LBS	0.00	\$0.26	\$0.00	
POTASH (0-0-60)	LBS	55.00	\$0.21		
LIME (PRORATED)	TON	0.33	\$54.50		
HERBICIDES	ACRE	1.00	\$32.72		
INSECTICIDES	ACRE	1.00	\$0.00		
FUNGICIDES	ACRE	1.00	\$0.00		
SURFACTANT	ACRE	1.00	\$1.64		
DRYING (3 POINTS)	BU.	128.00	\$0.30		
HAULING	BU.	128.00	\$0.26		
TRACTOR/MACHINERY	ACRE	1.00	\$12.86		
CUSTOM HARVEST	ACRE	1.00	\$45.00		
SCOUTING	ACRE	1.00	\$12.00		
LABOR	HRS	1.13	\$12.67		
INTEREST ON OP. CAP.	DOL.	\$121.83	2.7%		
TOTAL VARIABLE COSTS:			=	\$389.96	
INCOME ABOVE VARIABLE COSTS:				\$184.76	
				•••••••	
. FIXED COSTS TRACTOR/MACHINERY	ACRE	1.00	\$50.84	\$50.84	
TOTAL FIXED COSTS:			_	\$50.84	
. OTHER COSTS GENERAL OVERHEAD	DOL.	\$389.96	7.0%	\$27.30 _	
TOTAL OTHER COSTS:			=	\$27.30 _	
. TOTAL COSTS:				\$468.10 _	
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7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:

BREAK-EVEN YIELD			BREAK-EVEN PRICE			
VARIABLE COSTS	87	BU.	VARIABLE COSTS	\$3.05		
TOTAL COSTS	104	BU.	TOTAL COSTS	\$3.66		
*FERTILIZER COST IS A PRICE PER LB OF FERTILZER LISTED, FARMERS SHOULD USE SOIL TEST TO DETERIMINE NUTRIENT RATES						
<u>*FERTILIZER AMOUNTS ARE BASED ON REMOVAL RATES , NUTRIENT REMOVAL RATES CAN BE FOUND HERE</u>						
* THIS BUDGET WAS DEVELOPED FOR PLANNING	G PURPOSES ONL	Y AND DC	ES NOT INCLUDE LAND RENT			
*EACH GROWER SHOULD CALCULATE THEIR CO	ST BASED ON THI	EIR AVER	AGE PRICE OF INPUTS AND LOCATION			
*SCOUTING COST REPRESENT CUSTOM SOIL TE	STING BUT NOT N	IONITORI	NG CROPS FOR INSECTS OR DISEASE			

CORN FO	R GRAIN - COASTAL PLAIN - CONVE PER ACRE MACHINERY AND		NTS FOR 12		RN	
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
		OVER	HOURS	HOURS	COSTS	COSTS
3	HEAVY DISK 20'	2.00	0.22	0.20	\$5.28	\$10.40
5	PLANTER 16-ROW	1.00	0.13	0.12	\$6.05	\$20.01
3 thru 5	HIBOY 90'	3.00	0.10	0.09	\$1.53	\$20.43
_	RE TOTALS FOR ED OPERATIONS		0.50	0.41	\$12.86	\$50.84
UNALLC	OCATED LABOR(HRS./AC.)		0.63			

INCOME ABOV	E VARIABLE COSTS AT DIFFE	RING YIELDS AND	PRICES		
YIELD			PRICE (\$/bu.) -		
BU.	\$4.04	\$4.27	\$4.49	\$4.71	\$4.94
115	\$79.91	\$106.36	\$131.66	\$156.96	\$183.41
122	\$104.15	\$132.21	\$159.05	\$185.89	\$213.95
128	\$124.92	\$154.36	\$182.52	\$210.68	\$240.12
134	\$145.70	\$176.52	\$206.00	\$235.48	\$266.30
141	\$169.93	\$202.36	\$233.38	\$264.40	\$296.83

*NC STATE DOES NOT ENDORSE ANY COMPANY OR CHEMICAL NAMES ASSOCIATED TO ACTIVE INGREDIENTS *COST ASSUME NO RESISTANCE MANAGEMENT AND LOW WEED PRESSURE

*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

UNIT QUANTITY COST/UNIT PER ACRE **HERBICIDES: s-metolachlor+atrazine (Bicep) QT 2.10 \$8.06 \$16.92	CHEMICAL USE AS	SUMPTIONS	FOR 128 BUSH	IEL CORN CON	VENTIONAL	
**HERBICIDES: s-metolachlor+atrazine (Bicep) QT 2.10 \$8.06 \$16.92				PRICE OR	TOTAL	
		UNIT	QUANTITY	COST/UNIT	PER ACRE	MONTH
	**HERBICIDES:					
glyphosate (Roundup ultra) QT 1.00 \$4.19 \$4.19	s-metolachlor+atrazine (Bicep)	QT	2.10	\$8.06	\$16.92	APR
	glyphosate (Roundup ultra)	QT	1.00	\$4.19	\$4.19	MAR
2,4-D PT 1.00 \$1.82 \$1.82	2,4-D	PT	1.00	\$1.82	\$1.82	MAR
dicamba (Banvel) PT 1.00 \$9.79 \$9.79	dicamba (Banvel)	PT	1.00	\$9.79	\$9.79	APR
	ISECTICIDES:					
**INSECTICIDES:						
**INSECTICIDES:						

**FUNGICIDES

I	O	ГA	L:	

\$32.72

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