

NC STATE UNIVERSITY
CORN - NO TILL, Coastal Plain

Department of Agricultural and Resource Economics

ESTIMATED COSTS AND RETURNS PER ACRE
 110 BUSHEL YIELD, 2008

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
CORN	BU.	110.00	\$3.50	\$385.00	_____
TOTAL RECEIPTS:				\$385.00	_____
2. VARIABLE COSTS					
SEED	THOU.	28.00	\$1.49	\$41.72	_____
FERTILIZER					
NITROGEN	LBS	130.00	\$0.46	\$59.80	_____
PHOSPHATE	LBS	35.00	\$0.50	\$17.50	_____
POTASH	LBS	105.00	\$0.23	\$24.15	_____
LIME (PRORATED)	TON	0.33	\$42.50	\$14.03	_____
HERBICIDES	ACRE	1.00	\$36.18	\$36.18	_____
TRACTOR/MACHINERY	ACRE	1.00	\$22.01	\$22.01	_____
LABOR	HRS	0.87	\$9.02	\$7.85	_____
INTEREST ON OP. CAP.	DOL.	\$107.70	9.25%	\$9.96	_____
TOTAL VARIABLE COSTS:				\$233.20	_____
3. INCOME ABOVE VARIABLE COSTS:				\$151.80	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$33.14	\$33.14	_____
TOTAL FIXED COSTS:				\$33.14	_____
6. TOTAL COSTS:				\$266.34	_____
7. NET RETURNS TO LAND, RISK AND MANAGEMENT:				\$118.66	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	67 BU.	VARIABLE COSTS	\$2.12
TOTAL COSTS	76 BU.	TOTAL COSTS	\$2.42

* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

CORN FOR GRAIN - NO TILL - Coastal Plain region NC						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 110 BUSHEL CORN						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	PLANTER 4-ROW	1.00	0.20	0.18	\$4.03	\$4.05
4,5	HIBOY (60 FT BOOM)	2.00	0.09	0.08	\$3.22	\$3.16
8	COMBINE W/ HEADER	1.00	0.33	0.30	\$13.32	\$23.65
8	TRUCK 1.5 TON	1.00	0.25	0.23	\$1.44	\$2.28
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.87	0.79	\$22.01	\$33.14
UNALLOCATED LABOR(HRS./AC.)						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/bu.)					
BU.	\$3.15	\$3.33	\$3.50	\$3.68	\$3.85	
99	\$78.65	\$95.98	\$113.30	\$130.63	\$147.95	
105	\$95.98	\$114.26	\$132.55	\$150.84	\$169.13	
110	\$113.30	\$132.55	\$151.80	\$171.05	\$190.30	
116	\$130.63	\$150.84	\$171.05	\$191.26	\$211.48	
121	\$147.95	\$169.13	\$190.30	\$211.48	\$232.65	

CHEMICAL USE ASSUMPTIONS FOR 110 BUSHEL CORN						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
HERBICIDES:						
metolachlor+atrazine (Bicep)	QT	2.00	\$8.24	\$16.49	APRIL	
atrazine (Aatrex)	QT	0.75	\$2.32	\$1.74	APRIL	
glyphosate (generic)	OZ	32.00	\$0.11	\$3.63	APRIL	
nicosulfuron+rimsulfuron+atrazine (EOZ)		12.00	\$1.19	\$14.32	MAY	
INSECTICIDES:						
TOTAL:				\$36.18		

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