

NC STATE UNIVERSITY Department of Agricultural and Resource Economics
CORN - CONVENTIONAL- NC, Coastal Plain

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	\$30.81	\$30.81	_____
TRACTOR/MACHINERY	ACRE	1.00	\$36.66	\$36.66	_____
LABOR	HRS	1.50	\$9.02	\$13.53	_____
INTEREST ON OP. CAP.	DOL.	\$112.34	9.25%	\$10.39	_____
TOTAL VARIABLE COSTS:				\$248.59	_____
3. INCOME ABOVE VARIABLE COSTS:				\$136.41	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$50.25	\$50.25	_____
TOTAL FIXED COSTS:				\$50.25	_____
6. TOTAL COSTS:				\$298.84	_____
7. NET RETURNS TO LAND, RISK AND MANAGEMENT:				\$86.16	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	71 BU.	VARIABLE COSTS	\$2.26
TOTAL COSTS	85 BU.	TOTAL COSTS	\$2.72

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

CORN FOR GRAIN - CONVENTIONAL - 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
2	DISK HARROW (20)'	2.00	0.20	0.18	\$4.86	\$6.20
3	SUBSOILER-BEDDER 8R30	1.00	0.11	0.10	\$5.68	\$4.34
5	PLANTER 8R30	1.00	0.10	0.09	\$3.60	\$4.86
5	PULL TYPE SPRAYER	2.00	0.40	0.36	\$4.28	\$5.62
5	CULTIVATOR 8R30	1.00	0.11	0.10	\$3.48	\$3.30
9	TRUCK 1.5 TON	1.00	0.25	0.23	\$1.44	\$2.28
9	COMBINE W/ HEADER	1.00	0.33	0.30	\$13.32	\$23.65
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.50	1.36	\$36.66	\$50.25
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	\$63.26	\$80.59	\$97.91	\$115.24	\$132.56	
105	\$80.59	\$98.87	\$117.16	\$135.45	\$153.74	
110	\$97.91	\$117.16	\$136.41	\$155.66	\$174.91	
116	\$115.24	\$135.45	\$155.66	\$175.87	\$196.09	
121	\$132.56	\$153.74	\$174.91	\$196.09	\$217.26	

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
nicosulfuron+rimsulfuron+atrazine (EOZ)		12.00	\$1.19	\$14.32	MAY
INSECTICIDES:					
TOTAL:				\$30.81	

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