



CORN-NO TILL- NC, Southern Piedmont 2009

ESTIMATED COSTS AND RETURNS PER ACRE, 2009
100 BUSHEL YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
CORN	BU	100.00	\$4.80	\$480.00	_____
TOTAL RECEIPTS:				\$480.00	_____
2. VARIABLE COSTS					
SEED	THOU.	20.00	\$2.81	\$56.20	_____
FERTILIZER					
NITROGEN	CWT	1.10	\$49.25	\$54.18	_____
PHOSPHATE	LBS	30.00	\$1.24	\$37.20	_____
POTASH	LBS	30.00	\$0.23	\$6.90	_____
LIME (PRORATED)	TON	0.33	\$43.00	\$14.19	_____
HERBICIDES	ACRE	1.00	\$138.99	\$138.99	_____
DRYING (3 POINT)	BU	105.83	\$0.00	\$0.00	_____
HAULING	BU	100.00	\$0.00	\$0.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$32.80	\$32.80	_____
LABOR	HRS	1.18	\$8.85	\$10.44	_____
INTEREST ON OP. CAP.	DOL.	\$170.23	9.25%	\$15.75	_____
TOTAL VARIABLE COSTS:				\$366.65	_____
3. INCOME ABOVE VARIABLE COSTS:				\$113.35	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$42.26	\$42.26	_____
TOTAL FIXED COSTS:				\$42.26	_____
5. TOTAL COSTS:				\$408.91	_____
6. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				\$71.09	_____

<u>BREAK-EVEN YIELD</u>			<u>BREAK-EVEN PRICE</u>		
VARIABLE COSTS	76	LBS	VARIABLE COSTS		\$3.67
TOTAL COSTS	85	LBS	TOTAL COSTS		\$4.09

*NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY
*NOTE: THIS BUDGET DOES NOT INCLUDE DRYING



CORN FOR GRAIN- NO TILL- Southern Piedmont region- NC						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 100 BUSHEL CORN						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	PLANTER 4-ROW	1.00	0.20	0.18	\$4.38	\$4.05
3,4,5	HIBOY (30 FT BOOM)	4.00	0.40	0.36	\$12.92	\$12.28
8	COMBINE W/ HEADER	1.00	0.33	0.30	\$14.06	\$23.65
8	TRUCK 1.5 TON	1.00	0.25	0.23	\$1.44	\$2.28
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.18	1.07	\$32.80	\$42.26
UNALLOCATED LABOR(HRS./AC.)						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu)				
BU	\$4.08	\$4.49	\$4.80	\$4.94	\$5.28
90	\$0.55	\$37.45	\$65.35	\$77.95	\$108.55
95	\$20.95	\$59.90	\$89.35	\$102.65	\$134.95
100	\$41.35	\$82.35	\$113.35	\$127.35	\$161.35
105	\$61.75	\$104.80	\$137.35	\$152.05	\$187.75
110	\$82.15	\$127.25	\$161.35	\$176.75	\$214.15

CHEMICAL USE ASSUMPTIONS FOR 100 BUSHEL CORN					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES					
acibenzolar-s-methyl (Actiguard 50W)	OZ	2.00	\$59.73	\$119.46	APRIL
diuron (Karmex)	LB	0.75	\$4.29	\$3.22	MARCH
iprodione (Rovral)	LB	1.00	\$16.31	\$16.31	APRIL
INSECTICIDES					
TOTAL:				\$138.99	

Prepared by: Gary Bullen, Tom Pegrium, Emily Weddington
 North Carolina State University, Dept. Agricultural and Resource Economics