

CLEMSON

EXTENSION

Department of Applied Economics and Statistics

Phone: 864-656-3475



CORN FOR GRAIN - CONSERVATION TILLAGE

ESTIMATED COSTS AND RETURNS PER ACRE, 2009/2010
120 BUSHEL YIELD, HIGH LEVEL OF MANAGEMENT

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
CORN	BU.	120.00	\$4.00	\$480.00	_____
TOTAL RECEIPTS:				\$480.00	_____
2. VARIABLE COSTS					
SEED	THOU.	24.00	\$2.08	\$49.80	_____
FERTILIZER					
NITROGEN	LBS	140.00	\$0.95	\$133.00	_____
PHOSPHATE	LBS	50.00	\$1.28	\$64.00	_____
POTASH	LBS	50.00	\$0.90	\$45.00	_____
LIME (PRORATED)	TON	0.50	\$51.00	\$25.50	_____
HERBICIDES	ACRE	1.00	\$19.82	\$19.82	_____
INSECTICIDES	ACRE	1.00	\$11.75	\$11.75	_____
DRYING (3 POINTS)	BU.	127.00	\$0.15	\$19.05	_____
HAULING	BU.	120.00	\$0.40	\$48.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$27.16	\$27.16	_____
LABOR	HRS	2.09	\$6.50	\$13.59	_____
INTEREST ON OP. CAP.	DOL.	\$182.14	9.0%	\$16.39	_____
TOTAL VARIABLE COSTS:				\$473.06	_____
3. INCOME ABOVE VARIABLE COSTS:				\$6.94	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$43.87	\$43.87	_____
TOTAL FIXED COSTS:				\$43.87	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$473.06	9.0%	\$42.58	_____
TOTAL OTHER COSTS:				\$67.58	_____
6. TOTAL COSTS:				\$584.51	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$104.51	_____

BREAK-EVEN YIELD		BREAK-EVEN PRICE	
VARIABLE COSTS	118 BU.	VARIABLE COSTS	\$3.94
TOTAL COSTS	151 BU.	TOTAL COSTS	\$4.87

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

CORN FOR GRAIN - CONSERVATION TILLAGE						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 100 BUSHEL CORN NO-TILL						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
3	SUBSOILER-PLANTER 6-ROW	1.00	0.20	0.18	\$7.34	\$8.93
4&5	HERBICIDE APPLICATOR 16'	2.00	0.24	0.22	\$3.16	\$2.64
4	FERTILIZER SPREADER	1.00	0.13	0.12	\$1.85	\$4.54
9	COMBINE W/ HEADER	1.00	0.36	0.33	\$14.81	\$27.76
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.93	0.85	\$27.16	\$43.87
UNALLOCATED LABOR(HRS./AC.)			1.16			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40
108	-\$77.55	-\$55.95	-\$34.35	-\$12.75	\$8.85
114	-\$59.31	-\$36.51	-\$13.71	\$9.09	\$31.89
120	-\$41.06	-\$17.06	\$6.94	\$30.94	\$54.94
126	-\$22.81	\$2.39	\$27.59	\$52.79	\$77.99
132	-\$4.56	\$21.84	\$48.24	\$74.64	\$101.04

CHEMICAL USE ASSUMPTIONS FOR 100 BUSHEL CORN NO-TILL					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
carfentrazone (Aim)	OZ	1.00	\$5.59	\$5.59	MAY
s-metolachlor+atrazine (Bicep)	QT	1.30	\$9.39	\$12.20	MAR
atrazine (Aatrex)	QT	1.00	\$2.03	\$2.03	APR
INSECTICIDES:					
terbufos (Counter)	LB	5.00	\$2.35	\$11.75	MAR
TOTAL:				\$31.57	

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. The "Pest Management Handbook" must be consulted. Production assumptions provided by Pawel Wiatrak, (803) 284-3343, pwiatra@clemson.edu.

THE CLEMSON UNIVERSITY COOPERATIVE EXTENSION SERVICE OFFERS ITS PROGRAMS TO PEOPLE OF ALL AGES, REGARDLESS OF RACE, COLOR, SEX, RELIGION, NATIONAL ORIGIN, OR HANDICAP AND IS AN EQUAL OPPORTUNITY EMPLOYER. COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS-- STATE OF SOUTH CAROLINA, CLEMSON UNIVERSITY, U.S. DEPARTMENT OF AGRICULTURE, AND SOUTH CAROLINA COUNTIES COOPERATING.