

CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

CORN FOR GRAIN - CONSERVATION TILLAGE (ROUNDUP READY)

ESTIMATED COSTS AND RETURNS PER ACRE
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	\$0.00
2. VARIABLE COSTS					
SEED	THOU.	24.00	\$3.70	\$88.80	_____
FERTILIZER					
NITROGEN	LBS	140.00	\$0.77	\$107.80	_____
PHOSPHATE	LBS	50.00	\$0.49	\$24.50	_____
POTASH	LBS	50.00	\$0.33	\$16.50	_____
LIME (PRORATED)	TON	0.50	\$45.00	\$22.50	_____
HERBICIDES	ACRE	1.00	\$23.97	\$23.97	_____
INSECTICIDES	ACRE	1.00	\$18.00	\$18.00	_____
DRYING (3 POINTS)	BU.	127.00	\$0.25	\$31.75	_____
HAULING	BU.	120.00	\$0.70	\$84.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$23.24	\$23.24	_____
LABOR	HRS	1.82	\$9.50	\$17.29	_____
INTEREST ON OP. CAP.	DOL.	\$229.18	5.0%	\$11.46	_____
TOTAL VARIABLE COSTS:				\$469.81	\$0.00
3. INCOME ABOVE VARIABLE COSTS:				\$10.19	\$0.00
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$38.17	\$38.17	_____
TOTAL FIXED COSTS:				\$38.17	\$0.00
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$60.00	\$60.00	_____
GENERAL OVERHEAD	DOL.	\$469.81	7.0%	\$32.89	_____
TOTAL OTHER COSTS:				\$92.89	\$0.00
6. TOTAL COSTS:				\$600.87	\$0.00
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$120.87	\$0.00

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	117 BU.	VARIABLE COSTS	\$3.92
TOTAL COSTS	161 BU.	TOTAL COSTS	\$5.01

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

CORN FOR GRAIN - CONSERVATION TILLAGE (ROUNDUP READY)						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 100 BUSHEL CORN NO-TILL						
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
		OVER	HOURS	HOURS	COSTS	COSTS
3	SUBSOILER-PLANTER 6-ROW	1.00	0.20	0.18	\$6.35	\$7.92
4	HERBICIDE APPLICATOR 16'	1.00	0.12	0.11	\$1.24	\$1.16
4	FERTILIZER SPREADER	1.00	0.13	0.12	\$1.62	\$4.03
9	COMBINE W/ HEADER	1.00	0.36	0.33	\$14.03	\$25.06
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.81	0.74	\$23.24	\$38.17
UNALLOCATED LABOR(HRS./AC.)			1.01			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40
108	-\$69.43	-\$47.83	-\$26.23	-\$4.63	\$16.97
114	-\$53.62	-\$30.82	-\$8.02	\$14.78	\$37.58
120	-\$37.81	-\$13.81	\$10.19	\$34.19	\$58.19
126	-\$22.00	\$3.20	\$28.40	\$53.60	\$78.80
132	-\$6.18	\$20.22	\$46.62	\$73.02	\$99.42

CHEMICAL USE ASSUMPTIONS FOR 100 BUSHEL CORN NO-TILL					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
glyphosate (Roundup ultra)	QT	1.00	\$5.69	\$5.69	X MAR, 1X APR
s-metolachlor+atrazine (Bicep)	QT	1.30	\$10.63	\$13.81	MAR
atrazine (Aatrex)	QT	1.00	\$4.47	\$4.47	APR
INSECTICIDES:					
terbufos (Counter)	LB	5.00	\$3.60	\$18.00	MAR
TOTAL:				\$41.97	

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 David H Gunter, Extension Specialist, 843-662-3526, dgunter@clemson.edu

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