

# CLEMSON

## EXTENSION

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### CORN FOR GRAIN - CONSERVATION TILLAGE (ROUNDUP READY)

ESTIMATED COSTS AND RETURNS PER ACRE, 2010/2011  
120 BUSHEL YIELD, HIGH LEVEL OF MANAGEMENT

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
CORN	BU.	120.00	\$4.00	\$480.00	_____
TOTAL RECEIPTS:				<b>\$480.00</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED	THOU.	24.00	\$3.20	\$76.68	_____
FERTILIZER					
NITROGEN	LBS	140.00	\$0.71	\$99.40	_____
PHOSPHATE	LBS	50.00	\$0.61	\$30.50	_____
POTASH	LBS	50.00	\$0.55	\$27.50	_____
LIME (PRORATED)	TON	0.50	\$51.50	\$25.75	_____
HERBICIDES	ACRE	1.00	\$30.70	\$30.70	_____
INSECTICIDES	ACRE	1.00	\$11.15	\$11.15	_____
DRYING (3 POINTS)	BU.	127.00	\$0.15	\$19.05	_____
HAULING	BU.	120.00	\$0.40	\$48.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$25.58	\$25.58	_____
LABOR	HRS	1.82	\$6.50	\$11.83	_____
INTEREST ON OP. CAP.	DOL.	\$158.06	9.0%	\$14.22	_____
TOTAL VARIABLE COSTS:				<b>\$420.36</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$59.64</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$42.55	\$42.55	_____
TOTAL FIXED COSTS:				<b>\$42.55</b>	_____
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$420.36	9.0%	\$37.83	_____
TOTAL OTHER COSTS:				<b>\$62.83</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$525.74</b>	_____
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>-\$45.74</b>	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	103 BU.	VARIABLE COSTS	\$3.50
TOTAL COSTS	133 BU.	TOTAL COSTS	\$4.38

\* 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 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	HERBICIDE APPLICATOR 16'	1.00	0.12	0.11	\$1.58	\$1.32
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			0.81	0.74	\$25.58	\$42.55
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	-\$24.85	-\$3.25	\$18.35	\$39.95	\$61.55
114	-\$6.61	\$16.19	\$38.99	\$61.79	\$84.59
120	\$11.64	\$35.64	\$59.64	\$83.64	\$107.64
126	\$29.89	\$55.09	\$80.29	\$105.49	\$130.69
132	\$48.14	\$74.54	\$100.94	\$127.34	\$153.74

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	\$13.75	\$13.75	X MAR, 1X APR
s-metolachlor+atrazine (Bicep)	QT	1.30	\$8.74	\$11.36	MAR
atrazine (Aatrex)	QT	1.00	\$3.89	\$3.89	APR
carfentrazone (Aim)	OZ	1.00	\$1.70	\$1.70	MAY
INSECTICIDES:					
terbufos (Counter)	LB	5.00	\$2.23	\$11.15	MAR
TOTAL:				\$41.85	

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.

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