

# CLEMSON

## EXTENSION

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### CORN FOR GRAIN - CONVENTIONAL 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
<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	\$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	\$37.15	\$37.15	_____
LABOR	HRS	3.11	\$6.50	\$20.22	_____
INTEREST ON OP. CAP.	DOL.	\$187.14	9.0%	\$16.84	_____
TOTAL VARIABLE COSTS:				<b>\$490.13</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>-\$10.13</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$54.63	\$54.63	_____
TOTAL FIXED COSTS:				<b>\$54.63</b>	_____
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$490.13	9.0%	\$44.11	_____
TOTAL OTHER COSTS:				<b>\$69.11</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$613.87</b>	_____
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>-\$133.87</b>	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	123 BU.	VARIABLE COSTS	\$4.08
TOTAL COSTS	159 BU.	TOTAL COSTS	\$5.12

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

CORN FOR GRAIN - CONVENTIONAL TILLAGE						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 100 BUSHEL CORN						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
2	HEAVY DISK 16'	2.00	0.26	0.24	\$7.42	\$8.28
3	SUBSOILER-PLANTER W/SPRAYER 6-R	1.00	0.20	0.18	\$7.54	\$9.43
4&5	HERBICIDE APPLICATOR 16'	2.00	0.24	0.22	\$3.16	\$2.64
5	FERTILIZER SPREADER	1.00	0.13	0.12	\$1.85	\$4.54
5	CULTIVATOR 6-ROW	1.00	0.19	0.17	\$2.37	\$1.98
9	COMBINE W/ HEADER	1.00	0.36	0.33	\$14.81	\$27.76
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.38	1.26	\$37.15	\$54.63
UNALLOCATED LABOR(HRS./AC.)			1.73			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40
108	-\$94.62	-\$73.02	-\$51.42	-\$29.82	-\$8.22
114	-\$76.38	-\$53.58	-\$30.78	-\$7.98	\$14.82
120	-\$58.13	-\$34.13	-\$10.13	\$13.87	\$37.87
126	-\$39.88	-\$14.68	\$10.52	\$35.72	\$60.92
132	-\$21.63	\$4.77	\$31.17	\$57.57	\$83.97

CHEMICAL USE ASSUMPTIONS FOR 100 BUSHEL CORN					
	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.

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