

# CLEMSON

## EXTENSION

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

ESTIMATED COSTS AND RETURNS PER ACRE, 2009/2010  
160 BUSHEL YIELD, 100 ACRE CENTER PIVOT - 6" OF WATER

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
CORN	BU.	160.00	\$4.00	\$640.00	_____
TOTAL RECEIPTS:				<b>\$640.00</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED	THOU.	28.00	\$2.39	\$66.92	_____
FERTILIZER					
NITROGEN	LBS	190.00	\$0.95	\$180.50	_____
PHOSPHATE	LBS	60.00	\$1.28	\$76.80	_____
POTASH	LBS	60.00	\$0.90	\$54.00	_____
LIME (PRORATED)	TON	0.50	\$51.00	\$25.50	_____
HERBICIDES	ACRE	1.00	\$27.47	\$27.47	_____
INSECTICIDES	ACRE	1.00	\$11.75	\$11.75	_____
IRRIG., MACH & LABOR	ACRE	1.00	\$48.16	\$48.16	_____
DRYING (3 POINTS)	BU.	169.33	\$0.15	\$25.40	_____
HAULING	BU.	160.00	\$0.40	\$64.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$25.58	\$25.58	_____
LABOR	HRS	1.82	\$6.50	\$11.83	_____
INTEREST ON OP. CAP.	DOL.	\$258.34	9.0%	\$23.25	_____
TOTAL VARIABLE COSTS:				<b>\$641.16</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>-\$1.16</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$42.55	\$42.55	_____
IRRIGATION	ACRE	1.00	\$99.37	\$99.37	_____
TOTAL FIXED COSTS:				<b>\$141.92</b>	_____
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$641.16	9.0%	\$57.70	_____
TOTAL OTHER COSTS:				<b>\$82.70</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$865.78</b>	_____
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>-\$225.78</b>	_____

#### BREAK-EVEN YIELD

			<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	160	BU.	VARIABLE COSTS	\$4.01
TOTAL COSTS	227	BU.	TOTAL COSTS	\$5.41

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

CORN FOR GRAIN - IRRIGATED - CONSERVATION TILLAGE (ROUNDUP READY)						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 160 BUSHEL IRRIGATED CORN						
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
144	-\$113.82	-\$85.02	-\$56.22	-\$27.42	\$1.38
152	-\$89.49	-\$59.09	-\$28.69	\$1.71	\$32.11
160	-\$65.16	-\$33.16	-\$1.16	\$30.84	\$62.84
168	-\$40.83	-\$7.23	\$26.37	\$59.97	\$93.57
176	-\$16.50	\$18.70	\$53.90	\$89.10	\$124.30

CHEMICAL USE ASSUMPTIONS FOR 160 BUSHEL IRRIGATED CORN					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
glyphosate (Roundup ultra)	QT	1.00	\$7.65	\$7.65	X MAR, 1X APR
s-metolachlor+atrazine (Bicep)	QT	1.30	\$9.39	\$12.20	MAR
atrazine (Aatrex)	QT	1.00	\$2.03	\$2.03	APR
carfentrazone (Aim)	OZ	1.00	\$5.59	\$5.59	MAY
INSECTICIDES:					
terbufos (Counter)	LB	5.00	\$2.35	\$11.75	MAR
TOTAL:				\$39.22	

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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