

CLEMSON

EXTENSION

Department of Applied Economics and Statistics

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SWEET CORN - FOR FRESH MARKET - IRRIGATED

ESTIMATED COSTS AND RETURNS PER ACRE, 2008/2009
225 BOXES (4.5 DOZEN, 1# FANCY PER BOX) - HARVEST IN JUNE & JULY

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SWEET CORN	BOX	225.00	\$8.00	\$1,800.00	_____
TOTAL RECEIPTS:				\$1,800.00	_____
2. VARIABLE COSTS					
SEED	LBS	9.00	\$15.00	\$135.00	_____
FERTILIZER					
3-9-24 (SPREAD)	CWT	10.00	\$13.50	\$135.00	_____
30% N (LIQ) - SIDE DRESSING	CWT	4.00	\$41.67	\$166.68	_____
LIME (PRORATED)	TON	0.50	\$52.50	\$26.25	_____
HERBICIDES	ACRE	1.00	\$20.26	\$20.26	_____
INSECTICIDES	ACRE	1.00	\$60.90	\$60.90	_____
STICKER	PT	12.00	\$2.00	\$24.00	_____
IRRIGATION, MACHINERY & LABOR	ACRE	1.00	\$42.28	\$42.28	_____
HARVEST, PACKING & HAULING	BOX	225.00	\$1.25	\$281.25	_____
ONE BUSHEL CARDBOARD WAXED	BOX	225.00	\$1.00	\$225.00	_____
MARKETING	BOX	225.00	\$0.20	\$45.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$63.36	\$63.36	_____
LABOR	HRS	16.13	\$6.50	\$104.85	_____
INTEREST ON OP. CAP.	DOL.	\$336.87	9.0%	\$30.32	_____
TOTAL VARIABLE COSTS:				\$1,360.15	_____
3. INCOME ABOVE VARIABLE COSTS:				\$439.85	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$95.25	\$95.25	_____
IRRIGATION	ACRE	1.00	\$84.71	\$84.71	_____
TOTAL FIXED COSTS:				\$179.96	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$1,360.15	9.0%	\$122.41	_____
TOTAL OTHER COSTS:				\$147.41	_____
6. TOTAL COSTS:				\$1,687.52	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				\$112.48	_____

BREAK-EVEN YIELD

VARIABLE COSTS	146	CRATE
TOTAL COSTS	204	CRATE

BREAK-EVEN PRICE PER CRATE

VARIABLE COSTS	\$6.05
TOTAL COSTS	\$7.50

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

** BASED ON IMPROVED PRODUCTION PRACTICES FOR COMMERCIAL PRODUCERS.

SWEET CORN - FOR FRESH MARKET - IRRIGATED						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR SWEET CORN - FRESH MARKET						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
2	HEAVY DISK 14'	1.00	0.17	0.15	\$2.67	\$3.92
3	DISK W/ SPRAYER 16'	1.00	0.17	0.15	\$2.00	\$3.42
3	SUBSOILER-BEDDER 4-ROW	2.00	0.42	0.38	\$6.10	\$5.74
4	PLANTER W/ SPRAYER 4-ROW	1.00	0.24	0.22	\$3.17	\$5.05
4,5&6	CULTIVATOR 4-ROW	3.00	0.76	0.69	\$5.94	\$7.11
5,6&7	HIBOY	8.00	0.53	0.48	\$12.72	\$27.52
5&7	SIDEDRESSER 2-ROW	2.00	1.23	1.12	\$9.04	\$9.90
4,6&7	TRUCK 1.5 TON	3.00	0.76	0.69	\$4.32	\$6.66
4,5,6&7	NURSE TANK ON PICK-UP	12.00	2.24	2.04	\$12.60	\$19.20
6&7	FARM WAGON	2.00	0.33	0.30	\$3.06	\$4.42
8	ROTARY MOWER 7'	1.00	0.32	0.29	\$1.74	\$2.31
PER ACRE TOTALS FOR SELECTED OPERATIONS			7.17	6.51	\$63.36	\$95.25
UNALLOCATED LABOR(HRS./AC.)			8.96			
<p>Note: Six inches of water is applied using a 30 acre real travel gun irrigation system. Three applications per month are put down in May and June. It is assumed that the irrigation system is used on two crops each year. This results in reducing the fixed cost by 1/2.</p>						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE PER CRATE					
CRATES	\$6.40	\$7.20	\$8.00	\$8.80	\$9.60	
180	-\$97.90	\$46.10	\$190.10	\$334.10	\$478.10	
203	-\$7.05	\$155.35	\$317.75	\$480.15	\$642.55	
225	\$79.85	\$259.85	\$439.85	\$619.85	\$799.85	
248	\$170.70	\$369.10	\$567.50	\$765.90	\$964.30	
270	\$257.60	\$473.60	\$689.60	\$905.60	\$1,121.60	

CHEMICAL USE ASSUMPTIONS FOR SWEET CORN - FRESH MARKET						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
HERBICIDES						
metolachlor (Dual II)	PT	1.66	\$12.21	\$20.26	1X MAR	
INSECTICIDES						
chlorpyrifos (Lorsban)	LB	6.75	\$1.60	\$10.80	1X APR	
lambda-cyhalothrin (Warrior T)	OZ	25.00	\$2.00	\$50.10	3X JUN, 3X JUL	
TOTAL:				\$81.16		
<p>The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. The "Vegetable Crop Guidelines for the Southeastern US" must be consulted. Production assumptions provided by Tony Melton, (843) 661-4800, amelton@clemson.edu.</p>						

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