

CLEMSON EXTENSION

Department of Applied Economics and Statistics

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OKRA - FOR FRESH MARKET (CONTRACT HARVEST) - IRRIGATED

ESTIMATED COSTS AND RETURNS PER ACRE, 2008/2009
360 BUSHELS - LONGER SEASON

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
OKRA	1/2 BU.	720.00	\$14.50	\$10,440.00	_____
TOTAL RECEIPTS:				\$10,440.00	_____
2. VARIABLE COSTS					
SEED	LBS	8.00	\$2.00	\$16.00	_____
FERTILIZER					
3-9-24	CWT	5.00	\$13.50	\$67.50	_____
SIDE DRESSING 30% N	CWT	3.00	\$33.33	\$99.99	_____
LIME (PRORATED)	TON	0.33	\$52.50	\$17.33	_____
HERBICIDES	ACRE	1.00	\$3.94	\$3.94	_____
INSECTICIDES	ACRE	1.00	\$30.96	\$30.96	_____
FUMIGANTS	ACRE	1.00	\$45.00	\$45.00	_____
STICKER	PT	4.00	\$2.00	\$8.00	_____
HAND HOE	HRS	3.00	\$6.00	\$18.00	_____
IRRIGATION, MACHINERY & LABOR	ACRE	1.00	\$68.46	\$68.46	_____
HARVESTING & HAULING	1/2 BU.	720.00	\$2.50	\$1,800.00	_____
PICKING & GRADING	1/2 BU.	720.00	\$6.00	\$4,320.00	_____
HALF A BUSHEL CONTAINER	1/2 BU.	720.00	\$1.25	\$900.00	_____
MARKETING	1/2 BU.	720.00	\$0.50	\$360.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$41.55	\$41.55	_____
LABOR	HRS	10.33	\$6.50	\$67.15	_____
INTEREST ON OP. CAP.	DOL.	\$208.37	9.0%	\$18.75	_____
			\$0.39		_____
TOTAL VARIABLE COSTS:				\$7,882.63	_____
3. INCOME ABOVE VARIABLE COSTS:				\$2,557.37	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$56.17	\$56.17	_____
IRRIGATION	ACRE	1.00	\$84.71	\$84.71	_____
TOTAL FIXED COSTS:				\$140.88	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$7,882.63	9.0%	\$709.44	_____
TOTAL OTHER COSTS:				\$734.44	_____
6. TOTAL COSTS:				\$8,757.95	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				\$1,682.05	_____

BREAK-EVEN YIELD

VARIABLE COSTS	118	1/2 BU.	<u>BREAK-EVEN PRICE PER 1/2 BUSHEL</u>	VARIABLE COSTS	\$10.95
TOTAL COSTS	214	1/2 BU.	TOTAL COSTS		\$12.16

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

** BASED ON IMPROVED PRODUCTION PRACTICES FOR COMMERCIAL PRODUCERS.

*** HARVEST: 15% JUNE, 25% JULY, 20% AUGUST, 25% SEPTEMBER, AND 15% OCTOBER.

OKRA - FOR FRESH MARKET (CONTRACT HARVEST) - IRRIGATED						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR OKRA						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
3	4-BOTTOM FLIP PLOW	2.00	0.55	0.50	\$5.82	\$4.82
4	HEAVY DISK 14'	1.00	0.17	0.15	\$2.67	\$3.92
4	DISK W/ SPRAYER 16'	1.00	0.17	0.15	\$2.00	\$3.42
4	SUBSOILER-BEDDER 4-ROW	2.00	0.42	0.38	\$6.10	\$5.74
4	PLANTER W/ SPRAYER 4-ROW	2.00	0.48	0.44	\$6.34	\$10.10
3&4	TRUCK 1.5 TON	2.00	0.51	0.46	\$2.88	\$4.44
5	SIDEDRESSER 2-ROW	1.00	0.62	0.56	\$4.52	\$4.95
6	PULL TYPE SPRAYER	4.00	0.79	0.72	\$5.16	\$10.84
6&7	CULTIVATOR 4-ROW	2.00	0.51	0.46	\$3.96	\$4.74
6&7	NURSE TANK ON PICK-UP	2.00	0.37	0.34	\$2.10	\$3.20
PER ACRE TOTALS FOR SELECTED OPERATIONS			4.59	4.16	\$41.55	\$56.17
UNALLOCATED LABOR(HRS./AC.)			5.74			
Note: 12"of water is applied using a 30 acre real travel gun irrigation system. Two inches are put down in April, May, June, July, and August, and one inch in September and October. It is assumed that the irrigation system is used on two crops each year. This results in reducing the fixed cost by 1/2.						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/1/2 bu.)					
1/2 BU.	\$11.60	\$13.05	\$14.50	\$15.95	\$17.40	
576	\$274.97	\$1,110.17	\$1,945.37	\$2,780.57	\$3,615.77	
648	\$372.17	\$1,311.77	\$2,251.37	\$3,190.97	\$4,130.57	
720	\$469.37	\$1,513.37	\$2,557.37	\$3,601.37	\$4,645.37	
792	\$566.57	\$1,714.97	\$2,863.37	\$4,011.77	\$5,160.17	
864	\$663.77	\$1,916.57	\$3,169.37	\$4,422.17	\$5,674.97	

CHEMICAL USE ASSUMPTIONS FOR OKRA						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
HERBICIDES						
trifluralin (Treflan EC)	PT	1.25	\$3.15	\$3.94		1X MAR
INSECTICIDES						
carbaryl (Sevin)	LB	4.00	\$5.40	\$21.60		1X JUN, 1X JUL
malathion	GAL	0.40	\$23.40	\$9.36		1X JUN, 1X JUL
FUMIGANTS						
dichloropropene (Telone II)	GAL	4.00	\$11.25	\$45.00		1X MAR
TOTAL:				\$79.90		
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.						

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