

CLEMSON EXTENSION

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YELLOW SQUASH - FOR FRESH MARKET - IRRIGATED

ESTIMATED COSTS AND RETURNS PER ACRE, 2008/2009
BASED ON 1.1 BUSHEL CONTAINER - HARVEST IN JUNE

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
YELLOW SQUASH #1	CONT	200.00	\$12.00	\$2,400.00	_____
YELLOW SQUASH #2	CONT	50.00	\$10.00	\$500.00	_____
TOTAL RECEIPTS AND AVERAGE PRICE:		250.00	\$11.60	\$2,900.00	_____
2. VARIABLE COSTS					
SEED	LBS	2.00	\$80.00	\$160.00	_____
FERTILIZER					
5-10-10 (SPREAD)	CWT	12.00	\$12.63	\$151.56	_____
SIDE DRESSING 33.5% N	CWT	0.75	\$40.30	\$30.23	_____
LIME (PRORATED)	TON	0.33	\$52.50	\$17.33	_____
HERBICIDES	ACRE	1.00	\$5.09	\$5.09	_____
INSECTICIDES	ACRE	1.00	\$37.67	\$37.67	_____
NEMATOCIDES	ACRE	1.00	\$33.75	\$33.75	_____
IRRIGATION, MACHINERY & LABOR	ACRE	1.00	\$171.55	\$171.55	_____
HARVEST & HAULING	CONT	250.00	\$1.75	\$437.50	_____
MARKETING	CONT	250.00	\$0.55	\$137.50	_____
GRADING & PACKING	CONT	250.00	\$1.50	\$375.00	_____
1.1 BUSHEL PAPER CONTAINER	EACH	250.00	\$1.75	\$437.50	_____
BULK BINS (3 YR. PRORATED)	EACH	3.00	\$2.50	\$7.50	_____
TRACTOR/MACHINERY	ACRE	1.00	\$50.74	\$50.74	_____
LABOR	HRS	17.69	\$6.50	\$114.99	_____
INTEREST ON OP. CAP.	DOL.	\$328.96	9.0%	\$29.61	_____
TOTAL VARIABLE COSTS:				\$2,197.52	_____
3. INCOME ABOVE VARIABLE COSTS:				\$702.48	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$71.10	\$71.10	_____
IRRIGATION	ACRE	1.00	\$82.25	\$82.25	_____
TOTAL FIXED COSTS:				\$153.35	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$2,197.52	9.0%	\$197.78	_____
TOTAL OTHER COSTS:				\$222.78	_____
6. TOTAL COSTS:				\$2,573.65	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				\$326.35	_____

BREAK-EVEN AVERAGE YIELD

VARIABLE COSTS 134 1.1 BU.
TOTAL COSTS 191 1.1 BU.

BREAK-EVEN AVG PRICE PER 1.1 BUSHEL

VARIABLE COSTS \$8.79
TOTAL COSTS \$10.29

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

** BASED ON IMPROVED PRODUCTION PRACTICES FOR COMMERCIAL PRODUCERS.

YELLOW SQUASH - FOR FRESH MARKET - IRRIGATED						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR YELLOW SQUASH						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
2	DISK W/ SPRAYER 16'	1.00	0.17	0.15	\$2.00	\$3.42
3	SUBSOILER BEDDER 2-ROW	1.00	0.50	0.45	\$3.85	\$5.09
3	PLANTER 2-ROW	1.00	0.98	0.89	\$5.08	\$7.79
3&4	SIDEDRESSER 2-ROW	2.00	1.23	1.12	\$9.04	\$9.90
4&5	CULTIVATOR 2-ROW	2.00	1.23	1.12	\$6.50	\$8.76
4,5&6	TRACTOR MTD SPRAYER	5.00	0.88	0.80	\$5.70	\$8.20
4,5&6	NURSE TANK ON PICK-UP	5.00	0.94	0.85	\$5.25	\$8.00
3&6	TRUCK 1.5 TON	5.00	1.27	1.15	\$7.20	\$11.10
6	FARM WAGON	4.00	0.66	0.60	\$6.12	\$8.84
PER ACRE TOTALS FOR SELECTED OPERATIONS			7.86	7.13	\$50.74	\$71.10
UNALLOCATED LABOR(HRS./AC.)			9.83			

Note: Sixteen inches of water is applied using a 10 acre drip irrigation system. The variable cost includes provisions for the annual replacement of 62,228 feet of 0.38 gpm drip tape at \$0.02 per foot and other items that are replaced annually. The fixed cost includes the well, a 36 gpm pump and other items do not have to be replaced annually.

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/1.1 bu.)				
1.1 BU.	\$9.28	\$10.44	\$11.60	\$12.76	\$13.92
200	-\$64.02	\$167.98	\$399.98	\$631.98	\$863.98
225	\$29.23	\$290.23	\$551.23	\$812.23	\$1,073.23
250	\$122.48	\$412.48	\$702.48	\$992.48	\$1,282.48
275	\$215.73	\$534.73	\$853.73	\$1,172.73	\$1,491.73
300	\$308.98	\$656.98	\$1,004.98	\$1,352.98	\$1,700.98

CHEMICAL USE ASSUMPTIONS FOR YELLOW SQUASH					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES					
ethalfuralin (Curbit)	PT	1.00	\$5.09	\$5.09	1X FEB
INSECTICIDES					
horticultural oil (Safe-T-Cide)	GAL	2.40	\$7.65	\$18.36	3X MAY, 5X JUN
endosulfan (Phaser)	QT	2.60	\$7.43	\$19.31	2X JUN
NEMATOCIDES					
dichloropropene (Telone II)	GAL	3.00	\$11.25	\$33.75	1X MAR
TOTAL:				\$76.51	

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 Richard Hassel, (843) 402-5394, rhassel@clemson.edu.

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