

CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

YELLOW SQUASH - FOR FRESH MARKET - IRRIGATED

ESTIMATED COSTS AND RETURNS PER ACRE
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	\$18.00	\$3,600.00	_____		
YELLOW SQUASH #2	CONT	50.00	\$16.00	\$800.00	_____		
TOTAL RECEIPTS AND AVERAGE PRICE:				250.00	\$17.60	\$4,400.00	\$0.00
2. VARIABLE COSTS							
SEED	LBS	2.00	\$12.80	\$25.59	_____		
FERTILIZER							
5-10-10 (SPREAD)	CWT	12.00	\$16.25	\$195.00	_____		
SIDE DRESSING 33.5% N	CWT	0.75	\$36.19	\$27.14	_____		
LIME (PRORATED)	TON	0.33	\$45.00	\$14.85	_____		
HERBICIDES	ACRE	1.00	\$5.25	\$5.25	_____		
INSECTICIDES	ACRE	1.00	\$40.22	\$40.22	_____		
NEMATICIDES	ACRE	1.00	\$55.50	\$55.50	_____		
IRRIGATION, MACHINERY & LABOR	ACRE	1.00	\$171.72	\$171.72	_____		
HARVEST & HAULING	CONT	250.00	\$2.75	\$687.50	_____		
MARKETING	CONT	250.00	\$0.75	\$187.50	_____		
GRADING & PACKING	CONT	250.00	\$1.75	\$437.50	_____		
1.1 BUSHEL PAPER CONTAINER	EACH	250.00	\$1.95	\$487.50	_____		
BULK BINS (3 YR. PRORATED)	EACH	3.00	\$2.75	\$8.25	_____		
TRACTOR/MACHINERY	ACRE	1.00	\$60.05	\$60.05	_____		
LABOR	HRS	17.69	\$9.50	\$168.06	_____		
INTEREST ON OP. CAP.	DOL.	\$1,285.82	5.0%	\$64.29	_____		
TOTAL VARIABLE COSTS:					\$2,635.92	\$0.00	
3. INCOME ABOVE VARIABLE COSTS:					\$1,764.08	\$0.00	
4. FIXED COSTS							
TRACTOR/MACHINERY	ACRE	1.00	\$68.74	\$68.74	_____		
IRRIGATION	ACRE	1.00	\$85.86	\$85.86	_____		
TOTAL FIXED COSTS:					\$154.60	\$0.00	
5. OTHER COSTS							
LAND RENT	ACRE	1.00	\$50.00	\$50.00	_____		
GENERAL OVERHEAD	DOL.	\$2,635.92	7.0%	\$184.51	_____		
TOTAL OTHER COSTS:					\$234.51	\$0.00	
6. TOTAL COSTS:					\$3,025.03	\$0.00	
7. NET RETURNS TO RISK AND MANAGEMENT:					\$1,374.97	\$0.00	

BREAK-EVEN AVERAGE YIELD

VARIABLE COSTS
TOTAL COSTS

80 1.1 BU.
111 1.1 BU.

BREAK-EVEN AVG PRICE PER 1.1 BUSHEL

VARIABLE COSTS \$10.54
TOTAL COSTS \$12.10

* 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	\$2.40	\$3.38
3	SUBSOILER BEDDER 2-ROW	1.00	0.50	0.45	\$4.58	\$4.90
3	PLANTER 2-ROW	1.00	0.98	0.89	\$6.05	\$7.45
3&4	SIDEDRESSER 2-ROW	2.00	1.23	1.12	\$10.76	\$9.54
4&5	CULTIVATOR 2-ROW	2.00	1.23	1.12	\$7.72	\$8.36
4,5&6	TRACTOR MTD SPRAYER	5.00	0.88	0.80	\$6.75	\$7.85
4,5&6	NURSE TANK ON PICK-UP	5.00	0.94	0.85	\$6.20	\$7.55
3&6	TRUCK 1.5 TON	5.00	1.27	1.15	\$8.35	\$11.15
6	FARM WAGON	4.00	0.66	0.60	\$7.24	\$8.56
PER ACRE TOTALS FOR SELECTED OPERATIONS			7.86	7.13	\$60.05	\$68.74
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.	\$14.08	\$15.84	\$17.60	\$19.36	\$21.12	
200	\$540.08	\$892.08	\$1,244.08	\$1,596.08	\$1,948.08	
225	\$712.08	\$1,108.08	\$1,504.08	\$1,900.08	\$2,296.08	
250	\$884.08	\$1,324.08	\$1,764.08	\$2,204.08	\$2,644.08	
275	\$1,056.08	\$1,540.08	\$2,024.08	\$2,508.08	\$2,992.08	
300	\$1,228.08	\$1,756.08	\$2,284.08	\$2,812.08	\$3,340.08	

CHEMICAL USE ASSUMPTIONS FOR YELLOW SQUASH						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
HERBICIDES						
ethalfuralin (Curbit)	PT	1.00	\$5.25	\$5.25	1X FEB	
INSECTICIDES						
horticultural oil (Safe-T-Cide)	GAL	2.40	\$14.05	\$33.72	3X MAY, 5X JUN	
endosulfan (Phaser)	QT	2.60	\$2.50	\$6.50	2X JUN	
NEMATOCIDES						
dichloropropene (Telone II)	GAL	3.00	\$18.50	\$55.50	1X MAR	
TOTAL:				\$100.97		

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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