

CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

GREEN ONIONS - FRESH MARKET- IRRIGATED

ESTIMATED COSTS AND RETURNS PER ACRE
1100 BOXES (4 DOZEN BUNCHES - 11 LBS - PER BOX) - HARVEST IN JUNE

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
GREEN ONIONS	BOX	1100.00	\$17.00	\$18,700.00	_____
TOTAL RECEIPTS:				\$18,700.00	\$0.00
2. VARIABLE COSTS					
SEED	LBS	5.00	\$31.00	\$155.00	_____
FERTILIZER					
10-10-10 (SPREAD)	CWT	5.00	\$17.25	\$86.25	_____
15-0-14 (6X)	CWT	12.00	\$20.75	\$249.00	_____
LIME (PRORATED)	TON	1.00	\$45.00	\$45.00	_____
HERBICIDES	ACRE	1.00	\$214.09	\$214.09	_____
INSECTICIDES	ACRE	1.00	\$31.63	\$31.63	_____
FUNGICIDES	ACRE	1.00	\$41.72	\$41.72	_____
OTHERS	ACRE	1.00	\$3.00	\$3.00	_____
HAND HOE	HRS	8.00	\$7.00	\$56.00	_____
IRRIGATION, MACHINERY & LABOR	ACRE	1.00	\$171.72	\$171.72	_____
HARVEST & PACKING LABOR	BOX	1100.00	\$4.00	\$4,400.00	_____
FREIGHT	BOX	1100.00	\$1.75	\$1,925.00	_____
BOX	EACH	1100.00	\$1.50	\$1,650.00	_____
MARKETING	BOX	1100.00	\$0.75	\$825.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$89.90	\$89.90	_____
LABOR	HRS	26.28	\$9.50	\$249.66	_____
INTEREST ON OP. CAP.	DOL.	\$5,096.49	5.0%	\$254.82	_____
TOTAL VARIABLE COSTS:				\$10,447.79	\$0.00
3. INCOME ABOVE VARIABLE COSTS:				\$8,252.21	\$0.00
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$120.36	\$120.36	_____
IRRIGATION	ACRE	1.00	\$85.86	\$85.86	_____
TOTAL FIXED COSTS:				\$206.22	\$0.00
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$50.00	\$50.00	_____
GENERAL OVERHEAD	DOL.	\$10,447.79	7.0%	\$731.35	_____
TOTAL OTHER COSTS:				\$781.35	\$0.00
6. TOTAL COSTS:				\$11,435.36	\$0.00
7. NET RETURNS TO RISK AND MANAGEMENT:				\$7,264.64	\$0.00

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE PER BOX</u>	
VARIABLE COSTS	183 BOX	VARIABLE COSTS	\$9.50
TOTAL COSTS	239 BOX	TOTAL COSTS	\$10.40

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

** BASED ON IMPROVED PRODUCTION PRACTICES FOR COMMERCIAL PRODUCERS.

*** A BOX CONTAINS FOUR DOZEN BUNCHES WITH ABOUT SIX PLANTS PER BUNCH.

GREEN ONIONS - FRESH MARKET- IRRIGATED						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR GREEN ONIONS						
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
		OVER	HOURS	HOURS	COSTS	COSTS
2	HEAVY DISK 14'	1.00	0.17	0.15	\$3.17	\$3.78
2	DISK W/ SPRAYER 16'	1.00	0.17	0.15	\$2.40	\$3.38
3	SUBSOILER-BEDDER 4-ROW	1.00	0.21	0.19	\$3.64	\$2.86
3	PRECISION PLANTER 4-ROW	1.00	0.22	0.20	\$3.40	\$4.38
3,4&5	CULTIVATOR 2-ROW	10.00	6.16	5.60	\$38.60	\$41.80
4,5&6	FERTILIZER SPREADER	6.00	0.79	0.72	\$9.72	\$24.18
4,5&6	PULL TYPE SPRAYER	6.00	1.19	1.08	\$9.18	\$15.42
3&6	TRUCK 1.5 TON	3.00	0.76	0.69	\$5.01	\$6.69
2,4,5&6	NURSE TANK ON PICK-UP	9.00	1.68	1.53	\$11.16	\$13.59
6	FARM WAGON	2.00	0.33	0.30	\$3.62	\$4.28
PER ACRE TOTALS FOR SELECTED OPERATIONS			11.68	10.61	\$89.90	\$120.36
UNALLOCATED LABOR(HRS./AC.)			14.60			
<small>Note: Twelve inches of water is applied using a 10 acre cable tow travel gun irrigation system. Three one inch applications are put down in March, four in April, and one in 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.</small>						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD BOXES	PRICE PER BOX				
	\$13.60	\$15.30	\$17.00	\$18.70	\$20.40
880	\$3,280.21	\$4,776.21	\$6,272.21	\$7,768.21	\$9,264.21
990	\$3,896.21	\$5,579.21	\$7,262.21	\$8,945.21	\$10,628.21
1100	\$4,512.21	\$6,382.21	\$8,252.21	\$10,122.21	\$11,992.21
1210	\$5,128.21	\$7,185.21	\$9,242.21	\$11,299.21	\$13,356.21
1320	\$5,744.21	\$7,988.21	\$10,232.21	\$12,476.21	\$14,720.21

CHEMICAL USE ASSUMPTIONS FOR GREEN ONIONS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES					
sethoxydim (Poast)	PT	3.00	\$13.25	\$39.75	1X MAY
chlorthal-dimethyl (Dacthal)	LB	12.00	\$14.00	\$168.00	1X MAR
metolachlor (Dual Magnum)	OZ	7.00	\$0.91	\$6.34	1X MAR
INSECTICIDES					
horticultural oil (Safe-T-Cide)	GAL	2.00	\$14.05	\$28.10	2X APR, 1X MAY, 1X JUN
z-cypermethrin (Mustang Max)	OZ	2.50	\$1.41	\$3.53	2X MAY, 2X JUN
FUNGICIDES					
chlorothalonil (Bravo)	PT	7.50	\$5.56	\$41.72	2X APR, 2X MAY, 1X JUN
OTHERS					
adjuvant	APPL.	2.00	\$1.50	\$3.00	1X APR, 1X MAY
TOTAL:				\$290.44	

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 Powell Smith, (803) 284-3343, jpsmith@clemson.edu.

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