

CLEMSON

EXTENSION

Department of Applied Economics and Statistics

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SPRING CUCUMBERS FOR PICKLES - IRRIGATED

ESTIMATED COSTS AND RETURNS PER ACRE, 2008/2009
175 HUNDREDWEIGHT

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
CUCUMBER #1	CWT	35.00	\$18.00	\$630.00	_____
CUCUMBER #2	CWT	70.00	\$14.00	\$980.00	_____
CUCUMBER #3	CWT	52.00	\$10.00	\$520.00	_____
CUCUMBER #4	CWT	18.00	\$8.00	\$144.00	_____
TOTAL RECEIPTS AND AVERAGE PRICE:		175.00	\$12.99	\$2,274.00	_____
2. VARIABLE COSTS					
SEED	LBS	2.00	\$35.00	\$70.00	_____
FERTILIZER					
5-10-10 (SPREAD)	CWT	10.00	\$12.63	\$126.30	_____
SIDE DRESSING 30% N	CWT	1.00	\$33.33	\$33.33	_____
LIME (PRORATED)	TON	0.33	\$52.50	\$17.33	_____
HERBICIDES	ACRE	1.00	\$5.09	\$5.09	_____
INSECTICIDES	ACRE	1.00	\$7.43	\$7.43	_____
NEMATOCIDES	ACRE	1.00	\$33.75	\$33.75	_____
IRRIGATION, MACHINERY & LABOR	ACRE	1.00	\$186.81	\$186.81	_____
HARVEST & HAULING	CWT	175.00	\$4.50	\$787.50	_____
BULK BINS (3 YR. PRORATED)	EACH	3.00	\$2.00	\$6.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$33.55	\$33.55	_____
LABOR	HRS	11.77	\$6.50	\$76.51	_____
INTEREST ON OP. CAP.	DOL.	\$256.80	9.0%	\$23.11	_____
TOTAL VARIABLE COSTS:				\$1,406.71	_____
3. INCOME ABOVE VARIABLE COSTS:				\$867.29	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$46.94	\$46.94	_____
IRRIGATION	ACRE	1.00	\$84.93	\$84.93	_____
TOTAL FIXED COSTS:				\$131.87	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$1,406.71	9.0%	\$126.60	_____
TOTAL OTHER COSTS:				\$151.60	_____
6. TOTAL COSTS:				\$1,690.18	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				\$583.82	_____

BREAK-EVEN YIELD

			<u>BREAK-EVEN PRICE PER CWT</u>	
VARIABLE COSTS	73	CWT	VARIABLE COSTS	\$8.04
TOTAL COSTS	103	CWT	TOTAL COSTS	\$9.66

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

** BASED ON IMPROVED PRODUCTION PRACTICES FOR COMMERCIAL PRODUCERS.

*** HARVEST: 33.3% MAY, 66.6% JUNE

SPRING CUCUMBERS FOR PICKLES - IRRIGATED						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR SPRING PICKLES						
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
2	SUBSOILER-BEDDER 4-ROW	1.00	0.21	0.19	\$3.05	\$2.87
3	PLANTER 2-ROW	1.00	0.98	0.89	\$5.08	\$7.79
3	TRACTOR MTD SPRAYER	1.00	0.18	0.16	\$1.14	\$1.64
4	CULTIVATOR 2-ROW	2.00	1.23	1.12	\$6.50	\$8.76
4	PULL TYPE SPRAYER	1.00	0.20	0.18	\$1.29	\$2.71
4	SIDEDRESSER 2-ROW	1.00	0.62	0.56	\$4.52	\$4.95
3&4	NURSE TANK ON PICK-UP	2.00	0.37	0.34	\$2.10	\$3.20
3,5&6	TRUCK 1.5 TON	5.00	1.27	1.15	\$7.20	\$11.10
PER ACRE TOTALS FOR SELECTED OPERATIONS			5.23	4.74	\$33.55	\$46.94
UNALLOCATED LABOR(HRS./AC.)			6.54			

Note: Seventeen 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	AVERAGE PRICE PER CWT				
CWT	\$10.40	\$11.69	\$12.99	\$14.29	\$15.59
140	\$206.79	\$387.39	\$569.99	\$751.39	\$933.39
158	\$310.04	\$513.22	\$718.64	\$922.72	\$1,127.47
175	\$413.29	\$639.04	\$867.29	\$1,094.04	\$1,321.54
193	\$516.54	\$764.87	\$1,015.94	\$1,265.37	\$1,515.62
210	\$619.79	\$890.69	\$1,164.59	\$1,436.69	\$1,709.69

CHEMICAL USE ASSUMPTIONS FOR SPRING PICKLES					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES					
ethalfuralin (Curbit)	PT	1.00	\$5.09	\$5.09	1X MAR
INSECTICIDES					
endosulfan (Phaser)	QT	1.00	\$7.43	\$7.43	1X APR
NEMATICIDES					
dichloropropene (Telone II)	GAL	3.00	\$11.25	\$33.75	1X MAR
TOTAL:				\$46.27	

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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