

CLEMSON COOPERATIVE EXTENSION

Last revised: 3/27/2015

FALL CUCUMBERS FOR PICKLES - IRRIGATED

ESTIMATED COSTS AND RETURNS PER ACRE
120 HUNDREDWEIGHT

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM		
1. GROSS RECEIPTS							
CUCUMBER #1	CWT	20.00	\$20.00	\$400.00	_____		
CUCUMBER #2	CWT	50.00	\$19.00	\$950.00	_____		
CUCUMBER #3	CWT	40.00	\$17.00	\$680.00	_____		
CUCUMBER #4	CWT	10.00	\$15.00	\$150.00	_____		
TOTAL RECEIPTS AND AVERAGE PRICE:				120.00	\$18.17	\$2,180.00	\$0.00
2. VARIABLE COSTS							
SEED	LBS	2.00	\$35.00	\$70.00	_____		
FERTILIZER							
5-10-10 (SPREAD)	CWT	10.00	\$16.25	\$162.50	_____		
SIDE DRESSING 30% N	CWT	1.00	\$38.75	\$38.75	_____		
LIME (PRORATED)	TON	0.33	\$45.00	\$14.85	_____		
HERBICIDES	ACRE	1.00	\$5.25	\$5.25	_____		
INSECTICIDES	ACRE	1.00	\$32.32	\$32.32	_____		
FUNGICIDES	ACRE	1.00	\$47.74	\$47.74	_____		
NEMATICIDES	ACRE	1.00	\$55.50	\$55.50	_____		
IRRIGATION, MACHINERY & LABOR	ACRE	1.00	\$186.81	\$186.81	_____		
HARVEST & HAULING	CWT	120.00	\$5.00	\$600.00	_____		
BULK BINS (3 YR. PRORATED)	EACH	3.00	\$2.75	\$8.25	_____		
TRACTOR/MACHINERY	ACRE	1.00	\$68.90	\$68.90	_____		
LABOR	HRS	20.88	\$9.50	\$198.36	_____		
INTEREST ON OP. CAP.	DOL.	\$744.62	5.0%	\$37.23	_____		
TOTAL VARIABLE COSTS:					\$1,526.46	\$0.00	
3. INCOME ABOVE VARIABLE COSTS:					\$653.54	\$0.00	
4. FIXED COSTS							
TRACTOR/MACHINERY	ACRE	1.00	\$88.90	\$88.90	_____		
IRRIGATION	ACRE	1.00	\$84.93	\$84.93	_____		
TOTAL FIXED COSTS:					\$173.83	\$0.00	
5. OTHER COSTS							
LAND RENT	ACRE	1.00	\$50.00	\$50.00	_____		
GENERAL OVERHEAD	DOL.	\$1,526.46	7.0%	\$106.85	_____		
TOTAL OTHER COSTS:					\$156.85	\$0.00	
6. TOTAL COSTS:					\$1,857.14	\$0.00	
7. NET RETURNS TO RISK AND MANAGEMENT:					\$322.86	\$0.00	

BREAK-EVEN YIELD		BREAK-EVEN AVERAGE PRICE PER CWT	
VARIABLE COSTS	70 CWT	VARIABLE COSTS	\$12.72
TOTAL COSTS	95 CWT	TOTAL COSTS	\$15.48

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

** BASED ON IMPROVED PRODUCTION PRACTICES FOR COMMERCIAL PRODUCERS.

*** HARVEST: 66.6% OCTOBER, 33.3% NOVEMBER

FALL CUCUMBERS FOR PICKLES - IRRIGATED						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR FALL PICKLES						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
8	HEAVY DISK 14'	1.00	0.17	0.15	\$3.17	\$3.78
8	SUBSOILER-BEDDER 4-ROW	1.00	0.21	0.19	\$3.64	\$2.86
8	PLANTER 2-ROW	1.00	0.98	0.89	\$6.05	\$7.45
8	TRACTOR MTD SPRAYER	1.00	0.18	0.16	\$1.35	\$1.57
8&9	CULTIVATOR 2-ROW	2.00	1.23	1.12	\$7.72	\$8.36
8,9&10	PULL TYPE SPRAYER	12.00	2.38	2.16	\$18.36	\$30.84
8	SIDEDRESSER 2-ROW	1.00	0.62	0.56	\$5.38	\$4.77
8,9&10	NURSE TANK ON PICK-UP	12.00	2.24	2.04	\$14.88	\$18.12
8,10&11	TRUCK 1.5 TON	5.00	1.27	1.15	\$8.35	\$11.15
PER ACRE TOTALS FOR SELECTED OPERATIONS			9.28	8.42	\$68.90	\$88.90
UNALLOCATED LABOR(HRS./AC.)			11.60			
<small>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.</small>						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	AVERAGE PRICE PER CWT					
CWT	\$14.53	\$16.35	\$18.17	\$19.98	\$21.80	
96	-\$11.58	\$163.14	\$337.54	\$511.62	\$686.34	
108	\$102.78	\$299.34	\$495.54	\$691.38	\$887.94	
120	\$217.14	\$435.54	\$653.54	\$871.14	\$1,089.54	
132	\$331.50	\$571.74	\$811.54	\$1,050.90	\$1,291.14	
144	\$445.86	\$707.94	\$969.54	\$1,230.66	\$1,492.74	

CHEMICAL USE ASSUMPTIONS FOR FALL PICKLES						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
HERBICIDES						
ethalfuralin (Curbit)	PT	1.00	\$5.25	\$5.25	1X AUG	
INSECTICIDES						
rynaxapyr (Coragen)	OZ	3.50	\$8.16	\$28.57	4X SEP, 4X OCT	
dinotefuran (Venom)	OZ	4.00	\$0.94	\$3.75	4X SEP, 4X OCT	
FUNGICIDES						
chlorothalonil (Bravo)	PT	2.00	\$5.56	\$11.13	4X AUG, 4X SEP	
tebuconazole(Folicur)	OZ	8.00	\$1.09	\$8.75	2X AUG, 2X SEP	
propamocarb hydrochloride (Previcur Flex)	PT	1.00	\$11.75	\$11.75	1X AUG, 1X SEP	
cyazofamid (Ranman)	OZ	2.75	\$5.86	\$16.11	1X AUG, 1X SEP	
NEMATOCIDES						
dichloropropene (Telone II)	GAL	3.00	\$18.50	\$55.50	1X AUG	
TOTAL:				\$140.81		

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@clermson.edu and Tony Keinath, (843) 402-5390, tknth@clermson.edu

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