

# CLEMSON

## EXTENSION

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### FALL CUCUMBER - FOR FRESH MARKET - IRRIGATED

ESTIMATED COSTS AND RETURNS PER ACRE, 2008/2009  
BASED ON 1.1 BUSHEL CONTAINER

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
SUPER SELECT CUKES	CONT	210.00	\$14.00	\$2,940.00	_____
SELECT CUKES	CONT	27.00	\$10.00	\$270.00	_____
SMALL CUKES	CONT	24.00	\$8.00	\$192.00	_____
LARGE CUKES	CONT	24.00	\$7.00	\$168.00	_____
TOTAL RECEIPTS AND AVERAGE PRICE:		285.00	\$11.02	<b>\$3,570.00</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED	LBS	2.00	\$67.50	\$135.00	_____
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	\$32.14	\$32.14	_____
FUNGICIDES	ACRE	1.00	\$29.76	\$29.76	_____
NEMATICIDES	ACRE	1.00	\$33.75	\$33.75	_____
IRRIGATION, MACHINERY & LABOR	ACRE	1.00	\$186.81	\$186.81	_____
HARVEST & HAULING	CONT	285.00	\$1.25	\$356.25	_____
GRADING & PACKING	CONT	285.00	\$1.00	\$285.00	_____
1.1 BU PAPER CONTAINER	EACH	285.00	\$1.75	\$498.75	_____
BULK BINS (3 YR. PRORATED)	EACH	3.00	\$2.00	\$6.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$58.24	\$58.24	_____
LABOR	HRS	20.88	\$6.50	\$135.72	_____
INTEREST ON OP. CAP.	DOL.	\$328.88	9.0%	\$29.60	_____
TOTAL VARIABLE COSTS:				<b>\$1,969.07</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$1,600.93</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$92.75	\$92.75	_____
IRRIGATION	ACRE	1.00	\$84.93	\$84.93	_____
TOTAL FIXED COSTS:				<b>\$177.68</b>	_____
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$1,969.07	9.0%	\$177.22	_____
TOTAL OTHER COSTS:				<b>\$202.22</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$2,348.97</b>	_____
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>\$1,221.03</b>	_____

#### BREAK-EVEN YIELD

VARIABLE COSTS	118	1.1 BU.
TOTAL COSTS	166	1.1 BU.

#### BREAK-EVEN PRICE PER 1.1 BUSHEL

VARIABLE COSTS	\$6.91
TOTAL COSTS	\$8.24

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

\*\* BASED ON IMPROVED PRODUCTION PRACTICES FOR COMMERCIAL PRODUCERS.

FALL CUCUMBER - FOR FRESH MARKET - IRRIGATED						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR FALL CUCUMBERS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
8	HEAVY DISK 14'	1.00	0.17	0.15	\$2.67	\$3.92
8	SUBSOILER-BEDDER 4-ROW	1.00	0.21	0.19	\$3.05	\$2.87
8	PLANTER 2-ROW	1.00	0.98	0.89	\$5.08	\$7.79
8	TRACTOR MTD SPRAYER	1.00	0.18	0.16	\$1.14	\$1.64
8&9	CULTIVATOR 2-ROW	2.00	1.23	1.12	\$6.50	\$8.76
8,9&10	PULL TYPE SPRAYER	12.00	2.38	2.16	\$15.48	\$32.52
8	SIDEDRESSER 2-ROW	1.00	0.62	0.56	\$4.52	\$4.95
8,9&10	NURSE TANK ON PICK-UP	12.00	2.24	2.04	\$12.60	\$19.20
8,10&11	TRUCK 1.5 TON	5.00	1.27	1.15	\$7.20	\$11.10
PER ACRE TOTALS FOR SELECTED OPERATIONS			9.28	8.42	\$58.24	\$92.75
UNALLOCATED LABOR(HRS./AC.)			11.60			

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 (\$/1.1 bu.)				
1.1 BU.	\$8.82	\$9.92	\$11.02	\$12.12	\$13.22
228	\$269.89	\$520.69	\$771.49	\$1,022.29	\$1,273.09
257	\$409.67	\$692.37	\$975.07	\$1,257.77	\$1,540.47
285	\$544.63	\$858.13	\$1,171.63	\$1,485.13	\$1,798.63
314	\$684.41	\$1,029.81	\$1,375.21	\$1,720.61	\$2,066.01
342	\$819.37	\$1,195.57	\$1,571.77	\$1,947.97	\$2,324.17

CHEMICAL USE ASSUMPTIONS FOR FALL CUCUMBERS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES					
ethalfuralin (Curbit)	PT	1.00	\$5.09	\$5.09	1X AUG
INSECTICIDES					
esfenvalerate (Asana)	OZ	46.40	\$0.69	\$32.14	4X SEP, 4X OCT
FUNGICIDES					
mancozeb (Manzate)	LB	12.00	\$2.48	\$29.76	4X AUG, 4X SEP
NEMATOCIDES					
dichloropropene (Telone II)	GAL	3.00	\$11.25	\$33.75	1X AUG, 1X SEP
TOTAL:				\$100.74	

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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