

# CLEMSON

## EXTENSION

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### SOUTHERN PEAS - FOR FRESH MARKET (MACHINE HARVEST)

ESTIMATED COSTS AND RETURNS PER ACRE, 2008/2009  
150 BUSHELS - HARVEST IN JULY

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
SOUTHERN PEAS	BU.	150.00	\$13.00	\$1,950.00	_____
TOTAL RECEIPTS:				<b>\$1,950.00</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED	LBS	30.00	\$1.15	\$34.50	_____
FERTILIZER					
3-9-24	CWT	4.00	\$13.50	\$54.00	_____
LIME (PRORATED)	TON	0.33	\$52.50	\$17.33	_____
HERBICIDES	ACRE	1.00	\$25.88	\$25.88	_____
INSECTICIDES	ACRE	1.00	\$61.91	\$61.91	_____
STICKER	PT	4.00	\$2.00	\$8.00	_____
HARVESTING & HAULING	BU.	150.00	\$2.75	\$412.50	_____
CLEANING, SHELLING & BAGGING	BU.	150.00	\$2.50	\$375.00	_____
MARKETING	BU.	150.00	\$0.60	\$90.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$41.22	\$41.22	_____
LABOR	HRS	11.99	\$6.50	\$77.94	_____
INTEREST ON OP. CAP.	DOL.	\$121.42	9.0%	\$10.93	_____
TOTAL VARIABLE COSTS:				<b>\$1,209.21</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$740.79</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$65.29	\$65.29	_____
TOTAL FIXED COSTS:				<b>\$65.29</b>	_____
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$1,209.21	9.0%	\$108.83	_____
TOTAL OTHER COSTS:				<b>\$133.83</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$1,408.33</b>	_____
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>\$541.67</b>	_____

#### BREAK-EVEN YIELD

VARIABLE COSTS	46.39 BU.
TOTAL COSTS	68.22 BU.

#### BREAK-EVEN PRICE PER BUSHEL

VARIABLE COSTS	\$8.06
TOTAL COSTS	\$9.39

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

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

\*\*\* HARVESTING COST ACCOUNTS FOR ADDITIONAL LABOR ON THE 1-ROW PICKER.

SOUTHERN PEAS - FOR FRESH MARKET (MACHINE HARVEST)						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR SOUTHERN PEAS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	CHISEL PLOW 12'	1.00	0.22	0.20	\$2.43	\$3.10
4	HEAVY DISK 14'	1.00	0.17	0.15	\$2.67	\$3.92
4	DISK W/ SPRAYER 16'	1.00	0.17	0.15	\$2.00	\$3.42
4	PLANTER 4-ROW	1.00	0.22	0.20	\$2.82	\$4.34
5&6	CULTIVATOR 4-ROW	3.00	0.76	0.69	\$5.94	\$7.11
6&7	PULL TYPE SPRAYER	4.00	0.79	0.72	\$5.16	\$10.84
6&7	NURSE TANK ON PICK-UP	4.00	0.75	0.68	\$4.20	\$6.40
4&7	TRUCK 1.5 TON	2.00	0.51	0.46	\$2.88	\$4.44
7	VEGETABLE PICKER 1-ROW	2.00	1.74	1.58	\$13.12	\$21.72
PER ACRE TOTALS FOR SELECTED OPERATIONS			5.33	4.83	\$41.22	\$65.29
UNALLOCATED LABOR(HRS./AC.)			6.66			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$10.40	\$11.70	\$13.00	\$14.30	\$15.60
120	\$214.29	\$370.29	\$526.29	\$682.29	\$838.29
135	\$282.54	\$458.04	\$633.54	\$809.04	\$984.54
150	\$350.79	\$545.79	\$740.79	\$935.79	\$1,130.79
165	\$419.04	\$633.54	\$848.04	\$1,062.54	\$1,277.04
180	\$487.29	\$721.29	\$955.29	\$1,189.29	\$1,423.29

CHEMICAL USE ASSUMPTIONS FOR SOUTHERN PEAS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES					
imazethapyr (Pursuit)	OZ	2.50	\$10.35	\$25.88	1X APR
INSECTICIDES					
disulfoton (Disyston)	LB	10.00	\$2.48	\$24.80	1X APR
endosulfan (Thiodan)	GAL	1.33	\$27.90	\$37.11	2X JUN, 2X JUL
TOTAL:				\$87.79	

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 Tony Melton, (843) 661-4800, amelton@clemson.edu.

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