

# CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

<b>SNAP BEANS - FOR FRESH MARKET (MACHINE HARVEST) - IRRIGATED</b>					
ESTIMATED COSTS AND RETURNS PER ACRE					
200 BUSHELS - HARVEST IN JUNE - VERY SHORT SEASON					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
SNAP BEANS	BU.	200.00	\$16.00	\$3,200.00	_____
TOTAL RECEIPTS:				<b>\$3,200.00</b>	<b>\$0.00</b>
<b>2. VARIABLE COSTS</b>					
SEED	LBS	60.00	\$4.33	\$259.50	_____
FERTILIZER					
3-9-24	CWT	4.00	\$23.00	\$92.00	_____
SIDE DRESSING 24.5% N	CWT	3.00	\$47.45	\$142.35	_____
LIME (PRORATED)	TON	0.33	\$45.00	\$14.85	_____
HERBICIDES	ACRE	1.00	\$11.40	\$11.40	_____
INSECTICIDES	ACRE	1.00	\$23.36	\$23.36	_____
FUNGICIDES	ACRE	1.00	\$39.82	\$39.82	_____
STICKER	PT	40.00	\$2.50	\$100.00	_____
IRRIGATION, MACHINERY & LABOR	ACRE	1.00	\$84.56	\$84.56	_____
HARVESTING & HAULING	BU.	200.00	\$2.75	\$550.00	_____
ONE BUSHEL HAMPER	EACH	200.00	\$1.95	\$390.00	_____
MARKETING	BU.	200.00	\$0.75	\$150.00	_____
GRADING, CLEANING & BOXING	BU.	200.00	\$3.00	\$600.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$49.41	\$49.41	_____
LABOR	HRS	11.75	\$9.50	\$111.63	_____
INTEREST ON OP. CAP.	DOL.	\$1,309.44	5.0%	\$65.47	_____
TOTAL VARIABLE COSTS:				<b>\$2,684.35</b>	<b>\$0.00</b>
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$515.65</b>	<b>\$0.00</b>
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$58.60	\$58.60	_____
IRRIGATION	ACRE	1.00	\$74.65	\$74.65	_____
TOTAL FIXED COSTS:				<b>\$133.25</b>	<b>\$0.00</b>
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$50.00	\$50.00	_____
GENERAL OVERHEAD	DOL.	\$2,684.35	7.0%	\$187.90	_____
TOTAL OTHER COSTS:				<b>\$237.90</b>	<b>\$0.00</b>
<b>6. TOTAL COSTS:</b>				<b>\$3,055.50</b>	<b>\$0.00</b>
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>\$144.50</b>	<b>\$0.00</b>

<b>BREAK-EVEN YIELD</b>		<b>BREAK-EVEN PRICE PER BUSHEL</b>	
VARIABLE COSTS	132 BU.	VARIABLE COSTS	\$13.42
TOTAL COSTS	179 BU.	TOTAL COSTS	\$15.28

\* 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.

SNAP BEANS - FOR FRESH MARKET (MACHINE HARVEST) - IRRIGATED						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR SNAP BEANS						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
2	4-BOTTOM FLIP PLOW	1.00	0.28	0.25	\$3.43	\$2.32
3	HEAVY DISK 14'	1.00	0.17	0.15	\$3.17	\$3.78
3	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	PLANTER 4-ROW	1.00	0.22	0.20	\$3.38	\$4.30
3,5&6	NURSE TANK ON PICK-UP	2.00	0.37	0.34	\$2.48	\$3.02
4&5	CULTIVATOR 4-ROW	2.00	0.51	0.46	\$4.72	\$4.54
5&6	SIDEDRESSER 2-ROW	1.00	0.62	0.56	\$5.38	\$4.77
3,4&5	PULL TYPE SPRAYER	4.00	0.79	0.72	\$6.12	\$10.28
3,4,5&6	TRUCK 1.5 TON	4.00	1.01	0.92	\$6.68	\$8.92
6	VEGETABLE PICKER 1-ROW	1.00	0.87	0.79	\$8.01	\$10.43
PER ACRE TOTALS FOR SELECTED OPERATIONS			5.22	4.73	\$49.41	\$58.60
UNALLOCATED LABOR(HRS./AC.)			6.53			
<p>Note: Six inches of water is applied using a 30 acre reel travel gun irrigation system. Two applications are put down in April, three in May, 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.</p>						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$12.80	\$14.40	\$16.00	\$17.60	\$19.20
160	-\$298.35	-\$42.35	\$213.65	\$469.65	\$725.65
180	-\$211.35	\$76.65	\$364.65	\$652.65	\$940.65
200	-\$124.35	\$195.65	\$515.65	\$835.65	\$1,155.65
220	-\$37.35	\$314.65	\$666.65	\$1,018.65	\$1,370.65
240	\$49.65	\$433.65	\$817.65	\$1,201.65	\$1,585.65

CHEMICAL USE ASSUMPTIONS FOR SNAP BEANS					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES					
trifluralin (Treflan EC)	PT	1.25	\$3.22	\$4.02	1X MAR
fomesafen (Flextar)	PT	1.00	\$7.38	\$7.38	1X APR
INSECTICIDES					
cruisermaxx	OZ	1.50	\$4.63	\$6.94	1X MAR
dimethoate	PT	3.00	\$4.39	\$13.16	2X MAY
bifenthrin	OZ	6.00	\$0.54	\$3.26	1X MAY
FUNGICIDES					
cruisermaxx	OZ	1.50	\$4.63	\$6.94	1X MAR
tebuconazole(Folicur)	OZ	4.00	\$1.09	\$4.38	1X MAY
boscalid (Endura)	OZ	5.00	\$5.70	\$28.50	1X JUN
TOTAL:				\$74.58	

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.

THE CLEMSON UNIVERSITY COOPERATIVE EXTENSION SERVICE OFFERS ITS PROGRAMS TO PEOPLE OF ALL AGES, REGARDLESS OF RACE, COLOR, SEX, RELIGION, NATIONAL ORIGIN, OR HANDICAP AND IS AN EQUAL OPPORTUNITY EMPLOYER. COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS--STATE OF SOUTH CAROLINA, CLEMSON UNIVERSITY, U.S. DEPARTMENT OF AGRICULTURE, AND SOUTH CAROLINA COUNTIES COOPERATING.