

CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

TOBACCO - MULTI-PASS, MACHINE HARVEST, BULK BARN

ESTIMATED COSTS AND RETURNS PER ACRE
YIELD, 2400 POUNDS PER ACRE

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
TOBACCO	LBS	2400.00	\$2.00	\$4,800.00	_____
TOTAL RECEIPTS:				\$4,800.00	\$0.00
2. VARIABLE COSTS					
PLANTS (GREENHOUSE)	THOU.	6.30	\$44.50	\$280.35	_____
FERTILIZER					
6-6-18	LBS	700.00	\$0.34	\$238.00	_____
CALCIUM NITRATE 15.5-0-0	LBS	200.00	\$0.25	\$50.00	_____
LIME (PRORATED)	TON	0.33	\$45.00	\$14.85	_____
HERBICIDES & FUNGICIDES	ACRE	1.00	\$127.44	\$127.44	_____
INSECTICIDES & NEMATOCIDES	ACRE	1.00	\$314.65	\$314.65	_____
SUCKER CONTROL	ACRE	1.00	\$157.12	\$157.12	_____
CURING COSTS (@\$1.50/ 325 gal. + \$120 Electric.)	LBS	2400.00	\$0.253	\$607.20	_____
HAULING & STORAGE	LBS	2400.00	\$0.060	\$144.00	_____
ASSESSMENTS****	LBS	2400.00	\$0.003	\$7.20	_____
CROP INSURANCE	ACRE	1.00	\$120.00	\$120.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$286.52	\$286.52	_____
LABOR	HRS	79.24	\$9.50	\$752.78	_____
INTEREST ON OP. CAP.	DOL.	\$1,550.06	5.0%	\$77.50	_____
TOTAL VARIABLE COSTS:				\$3,177.61	\$0.00
3. INCOME ABOVE VARIABLE COSTS:				\$1,622.39	\$0.00
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$422.80	\$422.80	_____
BULK BARN	ACRE	1.00	\$170.00	\$170.00	_____
GREEN LEAF BOX LOADING SYS.	ACRE	1.00	\$35.00	\$35.00	_____
GREENHOUSE	ACRE	1.00	\$80.00	\$80.00	_____
TOTAL FIXED COSTS:				\$707.80	\$0.00
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$60.00	\$60.00	_____
GENERAL OVERHEAD	DOL.	\$3,177.61	7.0%	\$222.43	_____
TOTAL OTHER COSTS:				\$282.43	\$0.00
6. TOTAL COSTS:				\$4,167.84	\$0.00
7. NET RETURNS TO RISK AND MANAGEMENT:				\$632.16	\$0.00

BREAK-EVEN YIELD

VARIABLE COSTS	1437	LBS
TOTAL COSTS	2020	LBS

BREAK-EVEN PRICE

VARIABLE COSTS	\$1.32
TOTAL COSTS	\$1.74

* CROP INSURANCE: 65% BASED PREMIUM. NO DISASTER SUBSIDIES.

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

*** ESTIMATED PORTION OF GROWERS ANNUAL DEPRECIATION CHARGE.

**** TOBACCO ASSOCIATES AND RESEARCH ASSESSMENT

TOBACCO - MULTI-PASS, MACHINE HARVEST, BULK BARN

PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR MACHINE HARVEST TOBACCO						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
3&9	HEAVY DISK 20'	2.00	0.22	0.20	\$5.74	\$7.50
3	LIGHT DISKING W/ HERBICIDE 20'	1.00	0.13	0.12	\$2.67	\$2.90
3	TOBACCO BEDDER 4-ROW	1.00	0.18	0.16	\$1.45	\$1.59
4	TOBACCO BED SHAPER 4-ROW	1.00	0.18	0.16	\$1.35	\$1.40
4	TOBACCO TRANSPLANTER 4-ROW	3.00	2.90	2.64	\$57.00	\$45.36
4&5	CULTIVATOR 4-ROW	3.00	0.76	0.69	\$7.08	\$6.81
5,6&7	HIBOY	6.00	0.40	0.36	\$11.40	\$19.80
6&7	TOBACCO TOPPER 4-ROW	2.00	1.08	0.98	\$16.76	\$20.78
7,8&9	TOBACCO TRAILER	4.00	11.35	10.32	\$81.44	\$108.48
7,8&9	TOBACCO COMBINE 2-ROW	4.00	4.58	4.16	\$95.24	\$199.32
8,9	LARGE BALER	1.00	0.29	0.26	\$5.16	\$6.90
9	ROTARY MOWER 14'	1.00	0.17	0.15	\$1.23	\$1.96
PER ACRE TOTALS FOR SELECTED OPERATIONS			22.24	20.20	286.52	422.80
UNALLOCATED LABOR(HRS./AC.)			57.00			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/lbs.)					
LBS	\$1.85	\$1.95	\$2.00	\$2.05	\$2.15	
2000	\$648.79	\$848.79	\$948.79	\$1,048.79	\$1,248.79	
2200	\$955.59	\$1,175.59	\$1,285.59	\$1,395.59	\$1,615.59	
2400	\$1,262.39	\$1,502.39	\$1,622.39	\$1,742.39	\$1,982.39	
2600	\$1,569.19	\$1,829.19	\$1,959.19	\$2,089.19	\$2,349.19	
2800	\$1,875.99	\$2,155.99	\$2,295.99	\$2,435.99	\$2,715.99	

CHEMICAL USE ASSUMPTIONS FOR MACHINE HARVEST TOBACCO						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
HERBICIDES & FUNGICIDES:						
clomazone (Command)	PT	2.00	\$19.75	\$39.50	MAR	
Sulfentrazone (Spartan)	OZ	8.00	\$4.45	\$35.63	MAR	
mefenoxam (Ridomil Gold)	PT	0.50	\$104.63	\$52.31	MAR	
SUCKER CONTROL:						
octanol and 1 decanol (Off Shoot)	GAL	4.50	\$21.00	\$94.50	2x JUL	
flumetralin (Prime)	QT	2.00	\$20.75	\$41.50	JUL	
maleic hydrazide (Royal)	GAL	1.50	\$14.08	\$21.12	JUL	
INSECTICIDES & NEMATICIDES:						
spinosad (Tracer)	OZ	1.40	\$7.97	\$11.16	JUNE	
rynaxapyr (Coragen)	OZ	6.00	\$8.16	\$48.98	APRIL	
flubendiamide (Belt)	OZ	2.50	\$7.42	\$18.55	AUG	
imidacloprid (Admire Pro)	OZ	6.20	\$1.73	\$10.73	MAR	
dichloropropene+chloropicrin (Telone C17)	GAL	10.50	\$21.45	\$225.23	MAR	
TOTAL:				\$599.21		

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. The "Pest Management Handbook" must be consulted. Production assumptions by Paul D. Peterson, Extension Specialist, (843) 307-2966, ppeters@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.