

# CLEMSON COOPERATIVE EXTENSION

Last revised: 01/0/2017

<b>TOBACCO - MULTI-PASS, MACHINE HARVEST, BULK BARN</b>					
ESTIMATED COSTS AND RETURNS PER ACRE					
YIELD, 2400 POUNDS PER ACRE					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
TOBACCO	LBS	2400.00	\$2.00	\$4,800.00	_____
TOTAL RECEIPTS:				<b>\$4,800.00</b>	<b>\$0.00</b>
<b>2. VARIABLE COSTS</b>					
PLANTS (GREENHOUSE)	THOU.	6.30	\$32.50	\$204.75	_____
FERTILIZER					
6-6-18	LBS	700.00	\$0.29	\$203.00	_____
CALCIUM NITRATE 15.5-0-0	LBS	200.00	\$0.26	\$52.00	_____
LIME (PRORATED)	TON	0.33	\$47.50	\$15.68	_____
HERBICIDES & FUNGICIDES	ACRE	1.00	\$65.64	\$65.64	_____
INSECTICIDES & NEMATOCIDES	ACRE	1.00	\$272.01	\$272.01	_____
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	\$0.050	\$120.00	_____
ASSESSMENTS****	LBS	2400.00	\$0.008	\$19.20	_____
CROP INSURANCE	ACRE	1.00	\$18.00	\$18.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$228.48	\$228.48	_____
LABOR	HRS	79.24	\$11.25	\$891.45	_____
INTEREST ON OP. CAP.	DOL.	\$1,427.27	5.0%	\$71.36	_____
TOTAL VARIABLE COSTS:				<b>\$2,925.89</b>	<b>\$0.00</b>
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$1,874.11</b>	<b>\$0.00</b>
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$341.98	\$341.98	_____
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	\$10.00	\$10.00	_____
TOTAL FIXED COSTS:				<b>\$556.98</b>	<b>\$0.00</b>
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$75.00	\$75.00	_____
GENERAL OVERHEAD	DOL.	\$2,925.89	7.0%	\$204.81	_____
TOTAL OTHER COSTS:				<b>\$279.81</b>	<b>\$0.00</b>
<b>6. TOTAL COSTS:</b>				<b>\$3,762.68</b>	<b>\$0.00</b>
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>\$1,037.32</b>	<b>\$0.00</b>

<b><u>BREAK-EVEN YIELD</u></b>		<b><u>BREAK-EVEN PRICE</u></b>	
VARIABLE COSTS	1290 LBS	VARIABLE COSTS	\$1.22
TOTAL COSTS	1778 LBS	TOTAL COSTS	\$1.57

\* CROP INSURANCE: 70% BASED PREMIUM. NO DISASTER SUBSIDIES.  
 \*\* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.  
 \*\*\* ESTIMATED PORTION OF GROWERS ANNUAL DEPRICIATION 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	\$3.24	\$5.58
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	\$31.56	\$41.88
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	228.48	341.98
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		\$898.51	\$1,098.51	\$1,198.51	\$1,298.51	\$1,498.51
2200		\$1,206.31	\$1,426.31	\$1,536.31	\$1,646.31	\$1,866.31
2400		\$1,514.11	\$1,754.11	\$1,874.11	\$1,994.11	\$2,234.11
2600		\$1,821.91	\$2,081.91	\$2,211.91	\$2,341.91	\$2,601.91
2800		\$2,129.71	\$2,409.71	\$2,549.71	\$2,689.71	\$2,969.71

CHEMICAL USE ASSUMPTIONS FOR MACHINE HARVEST TOBACCO					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES & FUNGICIDES:					
pendimethalin (Prowl)	PT	2.00	\$3.59	\$7.19	MAR
Sulfentrazone (Spartan)	OZ	8.00	\$2.71	\$21.69	MAR
mefenoxam (Ridomil Gold)	PT	0.50	\$71.88	\$35.94	MAR
azoxystrobin (Quadris)	OZ	0.50	\$1.64	\$0.82	
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:					
Blackhawk	OZ	1.40	\$7.00	\$9.80	JUNE
rynaxapyr (Coragen)	OZ	6.00	\$6.09	\$36.56	APRIL
acephate (Orthene)	OZ	2.50	\$0.62	\$1.56	AUG
imidacloprid (Admire Pro)	OZ	6.20	\$1.73	\$10.73	MAR
dichloropropene+chloropicrin (Telone C17)	GAL	10.50	\$20.32	\$213.36	MAR
TOTAL:				\$494.77	

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University, consult the "Pest Management Handbook" Prepared By Nathan B Smith, Bernt Nelson, Paul D. Peterson, William Hardee, and David Dewitt, Clemson Extension.

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