

# CLEMSON COOPERATIVE EXTENSION

Last revised: 01/09/2017

## TOBACCO - MULTI-PASS, HAND 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
<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	\$273.54	\$273.54	_____
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	_____
SUCKERING LABOR	HRS	5.00	\$11.25	\$56.25	_____
HARVESTING LABOR	HRS	60.00	\$11.25	\$675.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$131.48	\$131.48	_____
LABOR	HRS	54.36	\$11.25	\$611.55	_____
INTEREST ON OP. CAP.	DOL.	\$1,605.21	5.0%	\$80.26	_____
TOTAL VARIABLE COSTS:				<b>\$3,290.67</b>	<b>\$0.00</b>
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$1,509.33</b>	<b>\$0.00</b>
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$153.92	\$153.92	_____
BULK BARN	ACRE	1.00	\$170.00	\$170.00	_____
GREENHOUSE	ACRE	1.00	\$10.00	\$10.00	_____
TOTAL FIXED COSTS:				<b>\$333.92</b>	<b>\$0.00</b>
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$75.00	\$75.00	_____
GENERAL OVERHEAD	DOL.	\$3,290.67	7.0%	\$230.35	_____
TOTAL OTHER COSTS:				<b>\$305.35</b>	<b>\$0.00</b>
<b>6. TOTAL COSTS:</b>				<b>\$3,929.94</b>	<b>\$0.00</b>
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>\$870.06</b>	<b>\$0.00</b>

<b>BREAK-EVEN YIELD</b>		<b>BREAK-EVEN PRICE</b>	
VARIABLE COSTS	1506 LBS	VARIABLE COSTS	\$1.37
TOTAL COSTS	1878 LBS	TOTAL COSTS	\$1.64

\* CROP INSURANCE: 70% 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, HAND 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	1.00	0.97	0.88	\$19.00	\$15.12
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
7,8&9	TOBACCO TRAILER	4.00	11.35	10.32	\$31.56	\$41.88
7,8&9	BULK BARN	4.00	3.04	2.76	\$53.00	\$62.28
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			17.69	16.06	131.48	153.92
UNALLOCATED LABOR(HRS./AC.)			36.67			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/lbs.)					
	LBS	\$1.85	\$1.95	\$2.00	\$2.05	\$2.15
2000		\$533.73	\$733.73	\$833.73	\$933.73	\$1,133.73
2200		\$841.53	\$1,061.53	\$1,171.53	\$1,281.53	\$1,501.53
2400		\$1,149.33	\$1,389.33	\$1,509.33	\$1,629.33	\$1,869.33
2600		\$1,457.13	\$1,717.13	\$1,847.13	\$1,977.13	\$2,237.13
2800		\$1,764.93	\$2,044.93	\$2,184.93	\$2,324.93	\$2,604.93

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	APR
acephate (Orthene)	OZ	6.00	\$0.52	\$3.09	
imidacloprid (Admire Pro)	OZ	6.20	\$1.73	\$10.73	MAR
dichloropropene+chloropicrin (Telone C17)	GAL	10.50	\$20.32	\$213.36	MAR
TOTAL:				\$496.30	

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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