

Tobacco, Machine Harvest-2017

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2017

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
Stalk Position					
	Lugs	LBS	0.00	\$0.00	_____
	Cutter	LBS	0.00	\$0.00	_____
	Leaf	LBS	0.00	\$0.00	_____
	Tips	LBS	0.00	\$0.00	_____
TOTAL RECEIPTS:				\$0.00	_____
2. VARIABLE COSTS					
PLANTS (GREENHOUSE)	THOU.	6.00	\$40.00	\$240.00	_____
MULTIPURPOSE FUMIGATION FERTILIZER	GAL	10.50	\$17.13	\$179.87	_____
6-6-18	CWT	5.80	\$38.50	\$223.30	_____
15.5-0-0	CWT	5.60	\$26.25	\$147.00	_____
LIME (PRORATED)	TON	0.33	\$56.00	\$18.48	_____
HERBICIDES	ACRE	1.00	\$54.07	\$54.07	_____
INSECTICIDES	ACRE	1.00	\$53.13	\$53.13	_____
FUNGICIDES	ACRE	1.00	\$104.77	\$104.77	_____
SUCKER CONTROL	ACRE	1.00	\$189.54	\$189.54	_____
SURFACTANT	ACRE	1.00	\$20.08	\$20.08	_____
SCOUTING	ACRE	1.00	\$20.00	\$20.00	_____
CURING FUEL	LBS	325.00	\$1.00	\$325.00	_____
ELECTRICITY	KWH	1580.00	\$0.08	\$126.40	_____
HAULING	LBS	2500.00	\$0.05	\$125.00	_____
COVER CROP	ACRE	1.00	\$25.00	\$25.00	_____
IRRIGATION	CYCLE	3.00	\$13.94	\$41.82	_____
BAILING SUPPLIES	DOL.	2500.00	\$0.003	\$7.50	_____
CROP INSURANCE	ACRE	1.00	\$120.00	\$120.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$228.71	\$228.71	_____
LABOR					
Pre-Harvest	HRS	46.25	\$11.27	\$521.24	_____
Harvest/Baling	HRS	23.54	\$11.27	\$265.30	_____
Post Harvest	HRS	9.00	\$11.27	\$101.43	_____
INTEREST ON OP. CAP.	DOL.	\$1,183.46	4.8%	\$56.21	_____
TOTAL VARIABLE COSTS:				\$3,193.85	_____
3. INCOME ABOVE VARIABLE COSTS:					
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$335.06	\$335.06	_____
BULK BARN	ACRE	1.00	\$132.58	\$132.58	_____
TOBACCO BOX LOADING SYSTEM	ACRE	1.00	\$38.75	\$38.75	_____
BAILER	ACRE	1.00	\$7.50	\$7.50	_____
IRRIGATION	ACRE	1.00	\$63.50	\$63.50	_____
TOTAL FIXED COSTS:				\$577.39	_____
5. TOTAL COSTS:				\$3,771.24	_____
6. NET RETURNS TO LAND, RISK, AND MANAGEMENT:					

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

* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY, IT DOES NOT INCLUDE LAND RENT

TOBACCO - MACHINE HARVEST						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR MACHINE HARVEST TOBACCO						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
11, 3	HEAVY DISK 20'	2.00	0.22	0.20	\$7.26	\$7.38
3	FUMIGATION UNIT	1.00	0.47	0.43	\$4.31	\$4.10
3	TOBACCO BEDDER 4-ROW	1.00	0.18	0.16	\$1.83	\$1.60
4	TOBACCO BED SHAPER 4-ROW	1.00	0.18	0.16	\$1.73	\$1.41
4	TOBACCO TRANSPLANTER 4-ROW	1.00	0.97	0.88	\$23.51	\$15.06
4,5	CULTIVATOR 4-ROW	2.00	0.51	0.46	\$6.22	\$4.54
3 thru 8	HIBOY	6.00	0.20	0.18	\$13.62	\$21.54
	PRE-HARVEST TOTAL		2.73			
7,8,9	TOBACCO COMBINE 2-ROW	4.00	4.58	4.16	\$110.08	\$198.40
7,8,9	TOBACCO TRAILER	3.00	8.51	7.74	\$60.15	\$81.03
9	BUSHHOG 14'	1.00	0.17	0.15	\$1.69	\$2.14
	PER-ACRE HARVEST TOTAL		13.26			
	PER ACRE TOTALS FOR SELECTED OPERATIONS		18.55	14.37	\$228.71	\$335.06

CHEMICAL USE ASSUMPTIONS FOR MACHINE HARVEST TOBACCO					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
clomazone (Command)	PT	2.00	\$15.00	\$30.00	MAR
Sulfentrazone (Spartan)	OZ	5.30	\$3.20	\$16.98	MAY
pendimethalin (Prowl)	PT	1.80	\$3.94	\$7.09	MAY
SUCKER CONTROL:					
octanol and 1 decanol (Off Shoot)	GAL	9.00	\$18.64	\$167.76	JUL
flumetralin (Prime)	QT	0.50	\$15.38	\$7.69	JUL
maleic hydrazide (Royal)	GAL	1.00	\$14.09	\$14.09	JUL
INSECTICIDES:					
imidacloprid (Admire Pro)	OZ	9.00	\$1.80	\$16.20	APRIL
acephate (Orthene)	OZ	12.00	\$0.46	\$5.57	JUNE
rynaxapyr (Coragen)	OZ	4.00	\$7.84	\$31.36	JUNE
FUNGICIDES:					
mefenoxam (Ridomil Gold)	PT	1.00	\$104.77	\$104.77	JUNE
	TOTAL:			\$401.51	

Prepared by: Gary Bullen, Derek Washburn, Matthew Vann
North Carolina State University, Dept. Agricultural and Resource Economics