

# Tobacco, Machine Harvest-2016

NC STATE  
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2016

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
Stalk Position					
	Lugs LBS	0.00	\$0.00	\$0.00	_____
	Cutter LBS	0.00	\$0.00	\$0.00	_____
	Leaf LBS	0.00	\$0.00	\$0.00	_____
	Tips LBS	0.00	\$0.00	\$0.00	_____
TOTAL RECEIPTS:				<b>\$0.00</b>	_____
<b>2. VARIABLE COSTS</b>					
PLANTS (GREENHOUSE)	THOU.	6.00	\$32.25	\$193.50	_____
MULTIPURPOSE FUMIGATION	GAL	10.50	\$17.13	\$179.87	_____
FERTILIZER					
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	\$40.00	\$13.20	_____
HERBICIDES	ACRE	1.00	\$69.47	\$69.47	_____
INSECTICIDES	ACRE	1.00	\$63.00	\$63.00	_____
FUNGICIDES	ACRE	1.00	\$104.77	\$104.77	_____
SUCKER CONTROL	ACRE	1.00	\$206.80	\$206.80	_____
SURFACTANT	ACRE	1.00	\$22.20	\$22.20	_____
SCOUTING	ACRE	1.00	\$50.00	\$50.00	_____
CURING FUEL	LBS	325.00	\$0.95	\$308.75	_____
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	\$10.32	\$477.30	_____
Harvest/Bailing	HRS	23.54	\$10.32	\$242.93	_____
Post Harvest	HRS	9.00	\$10.32	\$92.88	_____
INTEREST ON OP. CAP.	DOL.	\$1,157.47	5.3%	\$60.77	_____
TOTAL VARIABLE COSTS:				<b>\$3,130.17</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>					
<b>4. FIXED COSTS</b>					
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:				<b>\$577.39</b>	_____
<b>5. TOTAL COSTS:</b>				<b>\$3,707.56</b>	_____
<b>6. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>					

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

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

<b>TOBACCO - MACHINE HARVEST</b>						
<b>PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR MACHINE HARVEST TOBACCO</b>						
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

<b>CHEMICAL USE ASSUMPTIONS FOR MACHINE HARVEST TOBACCO</b>						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
<b>HERBICIDES:</b>						
	clomazone (Command)	PT	2.00	\$17.75	\$35.50	MAR
	Sulfentrazone (Spartan)	OZ	5.30	\$5.07	\$26.88	MAY
	pendimethalin (Prowl)	PT	1.80	\$3.94	\$7.09	MAY
<b>SUCKER CONTROL:</b>						
	octanol and 1 decanol (Off Shoot)	GAL	9.00	\$20.31	\$182.79	JUL
	flumetralin (Prime)	QT	0.50	\$19.84	\$9.92	JUL
	maleic hydrazide (Royal)	GAL	1.00	\$14.09	\$14.09	JUL
<b>INSECTICIDES:</b>						
	imidacloprid (Admire Pro)	OZ	9.00	\$2.97	\$26.73	APRIL
	acephate (Orthene)	OZ	12.00	\$0.62	\$7.49	JUNE
	rynaxapyr (Coragen)	OZ	4.00	\$7.19	\$28.78	JUNE
<b>FUNGICIDES:</b>						
	mefenoxam (Ridomil Gold)	PT	1.00	\$104.77	\$104.77	JUNE
	TOTAL:			\$444.04		

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