

# Tobacco, Machine Harvest-2018

**NC STATE  
UNIVERSITY**

ESTIMATED COSTS AND RETURNS PER ACRE, 2018

	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	\$40.00	\$240.00	_____
MULTIPURPOSE FUMIGATION	GAL	10.50	\$17.13	\$179.87	_____
FERTILIZER					
6-6-18	CWT	3.50	\$22.13	\$77.46	_____
15.5-0-0	CWT	4.00	\$23.68	\$94.72	_____
LIME (PRORATED)	TON	0.33	\$46.00	\$15.18	_____
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	\$0.98	\$318.50	_____
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	\$230.40	\$230.40	_____
LABOR					
Pre-Harvest	HRS	35.00	\$11.27	\$394.45	_____
Harvest/Bailing	HRS	33.00	\$11.27	\$371.91	_____
Post Harvest	HRS	2.00	\$11.27	\$22.54	_____
INTEREST ON OP. CAP.	DOL.	\$1,034.06	5.0%	\$51.70	_____
TOTAL VARIABLE COSTS:				<b>\$2,884.04</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>					
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$337.20	\$337.20	_____
BULK BARN	ACRE	1.00	\$132.58	\$132.58	_____
BAILER	ACRE	1.00	\$7.50	\$7.50	_____
IRRIGATION	ACRE	1.00	\$63.50	\$63.50	_____
H2A OVERHEAD	ACRE	1.00	\$206.00	\$206.00	_____
TOTAL FIXED COSTS:				<b>\$746.78</b>	_____
<b>5. TOTAL COSTS:</b>				<b>\$3,630.82</b>	_____
<b>6. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>					

\*LABOR HOURS REFLECT HAND TOPPING

\* 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		15.99	14.52	\$230.40	\$337.20

**CHEMICAL USE ASSUMPTIONS FOR MACHINE HARVEST TOBACCO**

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
<b>HERBICIDES:</b>					
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
<b>SUCKER CONTROL:</b>					
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
<b>INSECTICIDES:</b>					
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
<b>FUNGICIDES:</b>					
mefenoxam (Ridomil Gold)	PT	1.00	\$104.77	\$104.77	JUNE
TOTAL:				\$401.51	

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