

# Tobacco, Hand Harvest-2019

NC STATE  
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2019

	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	\$27.66	\$96.81	_____
15.5-0-0	CWT	4.00	\$22.68	\$90.72	_____
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	\$1.10	\$357.50	_____
ELECTRICITY	KWH	1580.00	\$0.08	\$126.40	_____
HAULING	LBS	2500.00	\$0.063	\$156.25	_____
COVER CROP	ACRE	1.00	\$25.00	\$25.00	_____
IRRIGATION	CYCLE	3.00	\$13.94	\$41.82	_____
BALING SUPPLIES	LBS	2500.00	\$0.003	\$7.50	_____
CROP INSURANCE	ACRE	1.00	\$120.00	\$120.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$142.72	\$142.72	_____
LABOR					
Pre-Harvest	HRS	43.00	\$11.46	\$492.78	_____
Harvest/Baling	HRS	67.00	\$11.46	\$767.82	_____
Post Harvest	HRS	2.00	\$11.46	\$22.92	_____
INTEREST ON OP. CAP.	DOL.	\$1,245.21	6.0%	\$74.71	_____
TOTAL VARIABLE COSTS:				<b>\$3,399.59</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>					
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$202.20	\$202.20	_____
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>\$611.78</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$4,011.37</b>	_____

## 7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:

\*LABOR HOURS REFLECT HAND TOPPING

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

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

<b>TOBACCO - HAND HARVEST</b>						
<b>PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR HAND 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	\$7.90	\$11.08
3	FUMIGATION UNIT	1.00	0.47	0.43	\$5.07	\$5.72
3	TOBACCO BEDDER 4-ROW	1.00	0.18	0.16	\$2.12	\$2.21
4	TOBACCO BED SHAPER 4-ROW	1.00	0.18	0.16	\$2.02	\$2.01
4	TOBACCO TRANSPLANTER 4-ROW	1.00	13.85	0.88	\$26.26	\$21.05
4,5	CULTIVATOR 4-ROW	2.00	0.51	0.46	\$7.76	\$7.58
3 thru 8	HIBOY 90'	6.00	1.36	0.18	\$4.92	\$31.74
7,8,9	TOBACCO TRAILER	4.00	2.15	10.32	\$84.72	\$118.08
9	BUSHHOG 14'	1.00	5.36	0.15	\$1.95	\$2.73
PER ACRE TOTALS FOR SELECTED OPERATIONS			24.28	12.94	\$142.72	\$202.20

<b>CHEMICAL USE ASSUMPTIONS FOR HAND HARVEST TOBACCO</b>						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
<b>HERBICIDES &amp; FUNGICIDES:</b>						
clomazone (Command)	PT	2.00	\$15.00	\$30.00	MAR	
Sulfentrazone (Spartan)	OZ	5.30	\$3.20	\$16.98	MAR	
pendimethalin (Prowl)	PT	1.80	\$3.94	\$7.09	MAR	
<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	MAR	
<b>FUNGICIDES:</b>						
mefenoxam (Ridomil Gold)	PT	1.00	\$104.77	\$104.77	MAR	
TOTAL:				\$401.51		

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