

# Tobacco, Hand Harvest-2021

NC STATE  
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2021

	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	\$24.89	\$87.12	_____
15.5-0-0	CWT	4.00	\$26.23	\$104.92	_____
LIME (PRORATED)	TON	0.33	\$54.50	\$17.99	_____
HERBICIDES	ACRE	1.00	\$54.41	\$54.41	_____
INSECTICIDES	ACRE	1.00	\$73.02	\$73.02	_____
FUNGICIDES	ACRE	1.00	\$104.77	\$104.77	_____
SUCKER CONTROL	ACRE	1.00	\$187.53	\$187.53	_____
ADJUVANT	ACRE	1.00	\$20.99	\$20.99	_____
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	\$136.33	\$136.33	_____
LABOR					
Pre-Harvest	HRS	43.00	\$12.67	\$544.81	_____
Harvest/Baling	HRS	67.00	\$12.67	\$848.89	_____
Post Harvest	HRS	2.00	\$12.67	\$25.34	_____
INTEREST ON OP. CAP.	DOL.	\$1,323.00	2.7%	\$35.99	_____
TOTAL VARIABLE COSTS:				<b>\$3,516.45</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>					
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$221.99	\$221.99	_____
BULK BARN	ACRE	1.00	\$132.58	\$132.58	_____
BALER	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>\$631.57</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$4,148.02</b>	_____
<b>7. 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 - HAND HARVEST						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR HAND 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	\$7.02	\$11.72
3	FUMIGATION UNIT	1.00	0.47	0.43	\$4.50	\$6.02
3	TOBACCO BEDDER 4-ROW	1.00	0.18	0.16	\$1.90	\$2.33
4	TOBACCO BED SHAPER 4-ROW	1.00	0.18	0.16	\$1.80	\$2.12
4	TOBACCO TRANSPLANTER 4-ROW	1.00	13.85	0.88	\$23.70	\$22.18
4,5	CULTIVATOR 4-ROW	2.00	0.51	0.46	\$6.92	\$8.02
3 thru 8	HIBOY 90'	6.00	1.36	0.18	\$4.02	\$43.08
7,8,9	TOBACCO TRAILER	4.00	2.15	10.32	\$84.72	\$123.64
9	BUSHHOG 14'	1.00	5.36	0.15	\$1.75	\$2.88
PER ACRE TOTALS FOR SELECTED OPERATIONS			24.28	12.94	\$136.33	\$221.99

CHEMICAL USE ASSUMPTIONS FOR HAND HARVEST TOBACCO						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
HERBICIDES & FUNGICIDES:						
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	\$4.13	\$7.43	MAR	
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	\$12.08	\$12.08	JUL	
INSECTICIDES:						
imidacloprid (Admire Pro)	OZ	9.00	\$1.00	\$9.00	APRIL	
spinosad (Blackhawk)	OZ	5.50	\$5.94	\$32.66	JUNE	
rynaxapyr (Coragen)	OZ	4.00	\$7.84	\$31.36	MAR	
FUNGICIDES:						
mefenoxam (Ridomil Gold)	PT	1.00	\$104.77	\$104.77	MAR	
TOTAL:				\$419.73		

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