

# Tobacco, Hand Top Hand Harvest w/ Machine Aid-2024

NC STATE  
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2024  
EASTERN, NC

	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 and Tips LBS	0.00	\$0.00	\$0.00	_____
TOTAL RECEIPTS:		0.00		<b>\$0.00</b>	_____
<b>2. VARIABLE COSTS</b>					
PLANTS (GREENHOUSE)	THOU.	6.00	\$45.00	\$270.00	_____
MULTIPURPOSE FUMIGATION	GAL	8.00	\$30.00	\$240.00	_____
FERTILIZER					
8-8-24	CWT	5.00	\$45.00	\$225.00	_____
15.5-0-0	LBS	193.00	\$0.39	\$75.27	_____
9-45-15 TRANSPLANT STARTER	LBS	11.00	\$1.95	\$21.45	_____
LIME (PRORATED)	TON	0.33	\$95.00	\$31.35	_____
HERBICIDES	ACRE	1.00	\$138.17	\$138.17	_____
INSECTICIDES	ACRE	1.00	\$92.11	\$92.11	_____
FUNGICIDES	ACRE	1.00	\$92.38	\$92.38	_____
SUCKER CONTROL	ACRE	1.00	\$221.06	\$221.06	_____
SCOUTING	ACRE	1.00	\$50.00	\$50.00	_____
CURING FUEL	GAL	250.00	\$1.39	\$347.50	_____
ELECTRICITY	KWH	1125.00	\$0.12	\$135.00	_____
HAULING	LBS	2500.00	\$0.050	\$125.00	_____
COVER CROP	ACRE	1.00	\$50.00	\$50.00	_____
BAILING SUPPLIES	LBS	2500.00	\$0.003	\$7.50	_____
CROP INSURANCE	ACRE	1.00	\$120.00	\$120.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$455.73	\$455.73	_____
LABOR					
Pre-Harvest	HRS	33.00	\$14.91	\$492.03	_____
Harvest/Baling	HRS	63.00	\$14.91	\$939.33	_____
Post Harvest	HRS	3.00	\$14.91	\$44.73	_____
INTEREST ON OP. CAP.	DOL.	\$1,694.31	8.5%	\$144.02	_____
TOTAL VARIABLE COSTS:				<b>\$4,317.63</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>					
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$984.56	\$984.56	_____
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	_____
H2A OVERHEAD	ACRE	1.00	\$206.00	\$206.00	_____
TOTAL FIXED COSTS:				<b>\$1,369.39</b>	_____
<b>5. TOTAL COSTS:</b>				<b>\$5,687.02</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

**TOBACCO - MACHINE HARVEST w/ RIDE AID**

<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	0.24	0.20	\$10.78	\$30.00
3	FUMIGATION UNIT	1.00	0.52	0.43	\$12.47	\$52.47
3	TOBACCO BEDDER 4-ROW	1.00	0.19	0.16	\$2.32	\$3.72
4	TOBACCO BED SHAPER 4-ROW	1.00	0.19	0.16	\$2.22	\$3.40
4	TOBACCO TRANSPLANTER 4-ROW	1.00	1.06	0.88	\$31.05	\$60.03
4,5	CULTIVATOR 4-ROW	2.00	0.55	0.46	\$8.72	\$16.42
5 thru 8	HIBOY 90'	6.00	0.22	0.18	\$39.96	\$74.82
	PRE-HARVEST TOTAL		2.97			
7,8,9	TOBACCO HAND HAR. RIDING AID 2-ROW	3.00	50.83	10.59	\$225.15	\$486.93
7,8,9	TOBACCO TRAILER	5.00	15.48	12.90	\$105.90	\$229.25
9	BUSHHOG 14'	1.00	0.18	0.15	\$2.15	\$4.55
9	TOBACCO STRIPPER	1.00	0.56	0.47	\$15.01	\$22.97
	PER-ACRE HARVEST TOTAL		67.05			
	PER ACRE TOTALS FOR SELECTED OPERATIONS		70.02	26.58	\$455.73	\$984.56

**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	\$17.50	\$35.00	MAR
dicamba (Banvel)	PT	5.00	\$12.23	\$61.17	MAR
napropamide (Devrinol)	QT	3.00	\$14.00	\$42.00	MAR
<b>SUCKER CONTROL:</b>					
octanol and 1 decanol	GAL	7.00	\$24.73	\$173.08	JUL
Prime +	QT	2.00	\$13.00	\$26.00	JUL
maleic hydrazide	GAL	1.00	\$21.98	\$21.98	JUL
<b>INSECTICIDES:</b>					
imidacloprid (Admire Pro)	OZ	6.00	\$2.29	\$13.74	APRIL
spinosad (Blackhawk)	OZ	5.50	\$10.47	\$57.57	JUNE
indoxacarb (Steward)	OZ	11.00	\$1.89	\$20.80	JUNE
<b>FUNGICIDES:</b>					
mefenoxam + oxathiapoprolin (4+4)	OZ	8.00	\$5.43	\$43.44	JUNE
dicamba (Banvel)	PT	4.00	\$12.23	\$48.94	JUNE
TOTAL:				\$543.72	

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