

Tobacco, Machine Harvest Hand Top-2025

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2025
EASTERN, NC

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
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		\$0.00	_____
2. VARIABLE COSTS					
PLANTS (GREENHOUSE)	THOU.	6.00	\$40.00	\$240.00	_____
MULTIPURPOSE FUMIGATION	GAL	8.00	\$30.00	\$240.00	_____
FERTILIZER					
6-6-18 (TOBACCO)	LBS	667.00	\$0.52	\$346.84	_____
CALCIUM NITRATE 15.5-0-0	LBS	193.00	\$0.33	\$63.69	_____
9-45-15 TRANSPLANT STARTER	LBS	11.00	\$1.65	\$18.15	_____
LIME SPREAD	TON	0.33	\$82.00	\$27.06	_____
HERBICIDES	ACRE	1.00	\$91.50	\$91.50	_____
INSECTICIDES	ACRE	1.00	\$75.75	\$75.75	_____
FUNGICIDES	ACRE	1.00	\$53.49	\$53.49	_____
SUCKER CONTROL	ACRE	1.00	\$186.24	\$186.24	_____
CONSULTING SERVICES**	ACRE	1.00	\$50.00	\$50.00	_____
CURING FUEL	GAL	275.00	\$1.32	\$362.73	_____
ELECTRICITY	KWH	1250.00	\$0.12	\$150.00	_____
HAULING	LBS	2400.00	\$0.050	\$120.00	_____
COVER CROP	ACRE	1.00	\$50.00	\$50.00	_____
IRRIGATION	CYCLE	3.00	\$13.94	\$41.82	_____
BAILING SUPPLIES	LBS	2400.00	\$0.003	\$7.20	_____
CROP INSURANCE	ACRE	1.00	\$120.00	\$120.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$421.99	\$421.99	_____
LABOR					
Pre-Harvest	HRS	40.00	\$15.81	\$632.40	_____
Harvest/Bailing	HRS	22.00	\$15.81	\$347.82	_____
Post Harvest	HRS	5.00	\$15.81	\$79.05	_____
INTEREST ON OP. CAP.	DOL.	\$1,436.99	5.375%	\$77.24	_____
TOTAL VARIABLE COSTS:				\$3,802.97	_____
3. INCOME ABOVE VARIABLE COSTS:					
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$701.25	\$701.25	_____
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	_____
H2A OVERHEAD	ACRE	1.00	\$206.00	\$206.00	_____
TOTAL FIXED COSTS:				\$1,149.58	_____
5. TOTAL COSTS:				\$4,952.55	_____
6. NET RETURNS TO LAND, RISK, AND MANAGEMENT:					

* ALTERNATE FERTILIZER IS 8-8-24 WHICH IS APPLIED AT A RATE OF 500 LBS/ACRE AND COSTS \$800/TON

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

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

**CONSULTING SERVICES INCLUDE SOIL SAMPLING WITH ANALYSIS AND SCOUTING IN SEASON

TOBACCO - MACHINE HARVEST HAND TOP						
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	0.24	0.20	\$9.56	\$25.40
3	FUMIGATION UNIT	1.00	0.52	0.43	\$11.67	\$45.41
3	TOBACCO BEDDER 4-ROW	1.00	0.19	0.16	\$2.02	\$3.17
4	TOBACCO BED SHAPER 4-ROW	1.00	0.19	0.16	\$1.92	\$2.89
4	TOBACCO TRANSPLANTER 4-ROW	1.00	1.06	0.88	\$27.48	\$50.95
4,5	CULTIVATOR 4-ROW	2.00	0.55	0.46	\$7.56	\$13.90
5 thru 8	HIBOY 90'	6.00	0.22	0.18	\$37.38	\$64.38
	PRE-HARVEST TOTAL		2.97			
7,8,9	TOBACCO PICKER 2-ROW	4.00	4.51	3.76	\$176.92	\$251.92
7,8,9	TOBACCO TRAILER	6.00	18.58	15.48	\$127.08	\$239.34
9	BUSHHOG 14'	1.00	0.18	0.15	\$1.87	\$3.89
9	TOBACCO STRIPPER	1.00	0.76	0.63	\$18.53	\$26.38
	PER-ACRE HARVEST TOTAL		24.03			
	PER ACRE TOTALS FOR SELECTED OPERATIONS		26.24	21.86	\$421.99	\$701.25

CHEMICAL USE ASSUMPTIONS FOR MACHINE HARVEST TOBACCO						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
HERBICIDES:						
	clomazone (Command)	PT	2.00	\$15.00	\$30.00	MAR
	Sulfentrazone (Spartan)	OZ	5.00	\$1.80	\$9.00	MAR
	napropamide (Devrinol)	QT	3.00	\$17.50	\$52.50	MAR
SUCKER CONTROL:						
	octanol and 1 decanol	GAL	7.00	\$20.00	\$140.00	JUL
	Prime +	QT	2.00	\$12.38	\$24.75	JUL
	maleic hydrazide	GAL	1.00	\$21.49	\$21.49	JUL
INSECTICIDES:						
	imidacloprid (Admire Pro)	OZ	6.00	\$1.35	\$8.07	APRIL
	spinosad (Blackhawk)	OZ	3.20	\$10.94	\$35.01	JUNE
	indoxacarb (Steward)	OZ	11.00	\$2.97	\$32.67	JUNE
FUNGICIDES:						
	mefenoxam + oxathiapoprolin (4+4)	OZ	8.00	\$5.37	\$42.96	JUNE
	azoxystrobin (Quadris)	OZ	9.00	\$1.17	\$10.53	JUNE
	TOTAL:				\$406.98	

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