

Tobacco, Machine Harvest-2021

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2021

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
Stalk Position					
	Lugs	LBS	0.00	\$0.00	_____
	Cutter	LBS	0.00	\$0.00	_____
	Leaf	LBS	0.00	\$0.00	_____
	Tips	LBS	0.00	\$0.00	_____
TOTAL RECEIPTS:				\$0.00	_____
2. VARIABLE COSTS					
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	_____
SURFACTANT	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	\$0.05	\$125.00	_____
COVER CROP	ACRE	1.00	\$25.00	\$25.00	_____
IRRIGATION	CYCLE	3.00	\$13.94	\$41.82	_____
BALING SUPPLIES	DOL.	2500.00	\$0.003	\$7.50	_____
CROP INSURANCE	ACRE	1.00	\$120.00	\$120.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$219.31	\$219.31	_____
LABOR					
Pre-Harvest	HRS	35.00	\$12.67	\$443.45	_____
Harvest/Baling	HRS	33.00	\$12.67	\$418.11	_____
Post Harvest	HRS	2.00	\$12.67	\$25.34	_____
INTEREST ON OP. CAP.	DOL.	\$1,098.42	2.7%	\$29.88	_____
TOTAL VARIABLE COSTS:				\$3,029.93	_____
3. INCOME ABOVE VARIABLE COSTS:					
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$405.12	\$405.12	_____
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:				\$814.70	_____
5. TOTAL COSTS:				\$3,844.63	_____
6. NET RETURNS TO LAND, RISK, AND MANAGEMENT:					

*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	\$7.02	\$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	0.97	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	0.20	0.18	\$4.02	\$43.08
PRE-HARVEST TOTAL			2.73			
7,8,9	TOBACCO COMBINE 2-ROW	4.00	4.58	4.16	\$104.16	\$214.04
7,8,9	TOBACCO TRAILER	3.00	8.51	7.74	\$63.54	\$92.73
9	BUSHHOG 14'	1.00	0.17	0.15	\$1.75	\$2.88
PER-ACRE HARVEST TOTAL			13.26			
PER ACRE TOTALS FOR SELECTED OPERATIONS			15.99	14.52	\$219.31	\$405.12

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	5.30	\$3.20	\$16.98	MAY
pendimethalin (Prowl)	PT	1.80	\$4.13	\$7.43	MAY
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	JUNE
FUNGICIDES:					
mefenoxam (Ridomil Gold)	PT	1.00	\$104.77	\$104.77	JUNE
TOTAL:				\$419.73	

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