

Tobacco, Machine Harvest-2019

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2019

	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 LBS	0.00	\$0.00	\$0.00	_____
	Tips LBS	0.00	\$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	\$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	\$54.41	\$54.41	_____
INSECTICIDES	ACRE	1.00	\$45.93	\$45.93	_____
FUNGICIDES	ACRE	1.00	\$64.38	\$64.38	_____
SUCKER CONTROL	ACRE	1.00	\$187.53	\$187.53	_____
SURFACTANT	ACRE	1.00	\$17.61	\$17.61	_____
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	_____
BAILING SUPPLIES	DOL.	2500.00	\$0.003	\$7.50	_____
CROP INSURANCE	ACRE	1.00	\$120.00	\$120.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$243.19	\$243.19	_____
LABOR					
Pre-Harvest	HRS	35.00	\$11.46	\$401.10	_____
Harvest/Bailing	HRS	33.00	\$11.46	\$378.18	_____
Post Harvest	HRS	2.00	\$11.46	\$22.92	_____
INTEREST ON OP. CAP.	DOL.	\$1,028.92	6.0%	\$61.73	_____
TOTAL VARIABLE COSTS:				\$2,922.78	_____
3. INCOME ABOVE VARIABLE COSTS:					
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$377.96	\$377.96	_____
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:				\$787.54	_____
5. TOTAL COSTS:				\$3,710.32	_____
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	\$8.40	\$11.08
3	FUMIGATION UNIT	1.00	0.47	0.43	\$5.40	\$5.72
3	TOBACCO BEDDER 4-ROW	1.00	0.18	0.16	\$2.24	\$2.21
4	TOBACCO BED SHAPER 4-ROW	1.00	0.18	0.16	\$2.14	\$2.01
4	TOBACCO TRANSPLANTER 4-ROW	1.00	0.97	0.88	\$27.72	\$21.05
4,5	CULTIVATOR 4-ROW	2.00	0.51	0.46	\$8.24	\$7.58
3 thru 8	HIBOY 90'	6.00	0.20	0.18	\$5.16	\$31.74
	PRE-HARVEST TOTAL		2.73			
7,8,9	TOBACCO COMBINE 2-ROW	4.00	4.58	4.16	\$118.28	\$205.28
7,8,9	TOBACCO TRAILER	3.00	8.51	7.74	\$63.54	\$88.56
9	BUSHHOG 14'	1.00	0.17	0.15	\$2.07	\$2.73
	PER-ACRE HARVEST TOTAL		13.26			
	PER ACRE TOTALS FOR SELECTED OPERATIONS		15.99	14.52	\$243.19	\$377.96

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
acephate (Orthene)	OZ	12.00	\$0.46	\$5.57	JUNE
rynaxapyr (Coragen)	OZ	4.00	\$7.84	\$31.36	JUNE
FUNGICIDES:					
mefenoxam (Ridomil Gold)	PT	1.00	\$64.38	\$64.38	JUNE
	TOTAL:			\$352.25	

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