

Cotton, Strip-Till -2025

NC STATE
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2025
950 POUND YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
COTTON LINT	LBS	950.00	\$0.74	\$703.00	_____
COTTON SEED*****	LBS	1587.00	\$0.09	\$142.83	_____
TOTAL RECEIPTS:				\$845.83	_____
2. VARIABLE COSTS					
SEED	THOU.	44.00	\$3.09	\$135.96	_____
FERTILIZER****					
30% NITROGEN SOLUTION	LBS	180.00	\$0.14	\$25.20	_____
18-46-0 DAP	LBS	65.00	\$0.39	\$25.35	_____
0-0-60 MURATE OF POTASH	LBS	50.00	\$0.23	\$11.50	_____
SOLUBOR	LBS	3.00	\$1.50	\$4.50	_____
100% SULFUR	LBS	10.00	\$0.28	\$2.80	_____
LIME SPREAD	TON	0.33	\$82.00	\$27.06	_____
HERBICIDES	ACRE	1.00	\$68.96	\$68.96	_____
INSECTICIDES	ACRE	1.00	\$31.73	\$31.73	_____
GROWTH REG. & DEFOLIANTS	ACRE	1.00	\$24.66	\$24.66	_____
CONSULTING SERVICES*****	ACRE	1.00	\$20.00	\$20.00	_____
GINNING****	LBS	950.00	\$0.150	\$142.50	_____
CROP INSURANCE	ACRE	1.00	\$30.00	\$30.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$136.46	\$136.46	_____
LABOR	HRS	3.71	\$15.81	\$58.66	_____
INTEREST ON OP. CAP.	DOL.	\$276.42	5.375%	\$14.86	_____
TOTAL VARIABLE COSTS:				\$760.20	_____
3. INCOME ABOVE VARIABLE COSTS:				\$85.63	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$223.05	\$223.05	_____
TOTAL FIXED COSTS:				\$223.05	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$760.20	7.0%	\$53.21	_____
TOTAL OTHER COSTS:				\$53.21	_____
6. TOTAL COSTS:				\$1,036.46	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				-\$190.63	_____

BREAK-EVEN YIELD			BREAK-EVEN PRICE	
VARIABLE COSTS	834	LBS	VARIABLE COSTS	\$0.65
TOTAL COSTS	1211	LBS	TOTAL COSTS	\$0.94

* THIS BUDGET WAS DEVELOPED FOR PLANNING PURPOSES ONLY AND DOES NOT INCLUDE LAND RENT

**PRICES PAID TO FARMERS ARE SUBJECT TO CHANGE BASED ON MARKET CONDITIONS

*** LINT PRICE ASSUMES FUTURE PRICES IN DECEMBER OF THE FOLLOWING YEAR

****FERTILIZATION RATES ARE AN ASSUMPTION OF REALIZED COST BASED ON REMOVAL RATES AND NC RECOMMENDATIONS OF .09 LBS N/LB LINT

*****GINNING COSTS ARE ASSUMED TO BE EQUIVALENT TO PAID MARKET PRICE FOR COTTON SEED

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

COTTON - CONSERVATION/STRIP TILLAGE

PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 900 LBS COTTON - STRIP TILLAGE						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	STRIP TILL RIG	1.00	0.11	0.09	\$7.29	\$18.65
3 thru 9	HIBOY 90'	10.00	0.24	0.20	\$41.60	\$71.60
10	COTTON PICKER 6-ROW	1.00	0.19	0.16	\$74.22	\$108.15
10	BALE HAULER	1.00	0.41	0.34	\$13.35	\$24.65
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.84	0.70	\$136.46	\$223.05
UNALLOCATED LABOR(HRS./AC.)			1.05			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD		PRICE (\$/lbs.)				
LINT	SEED	\$0.59	\$0.67	\$0.74	\$0.81	\$0.89
		\$0.090	\$0.090	\$0.090	\$0.090	\$0.090
570	952	-\$281.22	-\$235.62	-\$195.72	-\$155.82	-\$110.22
760	1269	-\$169.09	-\$108.29	-\$55.09	-\$1.89	\$58.91
950	1587	-\$56.87	\$19.13	\$85.63	\$152.13	\$228.13
1140	1904	\$55.26	\$146.46	\$226.26	\$306.06	\$397.26
1330	2221	\$167.39	\$273.79	\$366.89	\$459.99	\$566.39

*NC STATE DOES NOT ENDORSE ANY COMPANY OR CHEMICAL NAMES ASSOCIATED TO ACTIVE INGREDIENTS

**CHEMICALS LISTED ARE NOT A RECOMMENDATION FOR CHEMICAL USE BUT A REPRESENT MID RANGE COST IN NC PER ACRE

**ADDITIONAL VARIABLE COSTS OF NEMATOCIDES SHOULD BE BUDGETED ONLY WHEN NEMATODE ASSAY REPORTS INDICARE NEMATODE COUNTS AT OR ABOVE DAMAGING THRESHOLD LEVELS

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
**HERBICIDES					
flumioxazin (Valor)	OZ	1.00	\$2.76	\$2.76	APR
2,4-D	PT	1.00	\$2.23	\$2.23	APR
glyphosate (Roundup ultra)	QT	1.00	\$6.22	\$6.22	APR
Fomasafen (Reflex)	PT	2.00	\$7.54	\$15.08	MAY
glyphosate (Roundup ultra)	QT	1.00	\$6.22	\$6.22	MAY
s-metolachlor (Dual Magnum EC)	PT	1.00	\$9.25	\$9.25	MAY
dicamba (Xtendimax)	OZ	22.00	\$0.43	\$9.36	MAY
glyphosate (Roundup ultra)	QT	1.00	\$6.22	\$6.22	JUN
glufosinate (Liberty)	OZ	32.00	\$0.36	\$11.62	JUN
**INSECTICIDES					
imidacloprid (Admire Pro)	OZ	1.70	\$1.35	\$2.29	MAY
sulfoxaflor (Transform)	OZ	2.25	\$9.38	\$21.09	JUL
bifenthrin	OZ	6.40	\$0.68	\$4.35	AUG
acephate (Orthene)	OZ	8.00	\$0.50	\$4.00	AUG
**GROWTH REGULATOR & DEFOLIANTS					
mepiquat chloride (Pix)	OZ	16.00	\$0.09	\$1.50	2X JUN, JUL
ethephon+cyclanilide (Finish6)	QT	0.75	\$17.00	\$12.75	SEP
tribufos (Folex)	OZ	12.00	\$0.61	\$7.31	SEP
thidiazuron (FreeFall)	OZ	3.20	\$0.97	\$3.10	SEP
TOTAL:				\$125.35	