

Cotton, Conventional-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.	42.00	\$3.09	\$129.78	_____
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	\$57.75	\$57.75	_____
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	\$139.55	\$139.55	_____
LABOR	HRS	2.99	\$15.81	\$47.27	_____
INTEREST ON OP. CAP.	DOL.	\$263.58	5.375%	\$14.17	_____
TOTAL VARIABLE COSTS:				\$733.82	_____
3. INCOME ABOVE VARIABLE COSTS:				\$112.01	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$243.64	\$243.64	_____
TOTAL FIXED COSTS:				\$243.64	_____
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$733.82	7.0%	\$51.37	_____
TOTAL OTHER COSTS:				\$51.37	_____
6. TOTAL COSTS:				\$1,028.83	_____
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				-\$183.00	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>		
VARIABLE COSTS	799	LBS	VARIABLE COSTS	\$0.62
TOTAL COSTS	1201	LBS	TOTAL COSTS	\$0.93

* 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 NOT A RECOMMENDATION BUT AN ASSUMPTION OF REALIZED COST BASED ON REMOVAL RATES

*****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 - CONVENTIONAL TILLAGE						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 900 LBS COTTON - CONV. TILLAGE						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
3	HEAVY DISK 20'	2.00	0.24	0.20	\$9.56	\$25.40
4	PLANTER 8-ROW	1.00	0.13	0.11	\$4.98	\$21.00
3 thru 9	HIBOY 90'	9.00	0.22	0.18	\$37.44	\$64.44
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			1.19	0.99	\$139.55	\$243.64
UNALLOCATED LABOR(HRS./AC.)			1.49			

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	-\$254.84	-\$209.24	-\$169.34	-\$129.44	-\$83.84
760	1269	-\$142.71	-\$81.91	-\$28.71	\$24.49	\$85.29
950	1587	-\$30.49	\$45.51	\$112.01	\$178.51	\$254.51
1140	1904	\$81.64	\$172.84	\$252.64	\$332.44	\$423.64
1330	2221	\$193.77	\$300.17	\$393.27	\$486.37	\$592.77

*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 REPRESENTATION OF COST ASSUMPTIONS ONLY

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

CHEMICAL USE ASSUMPTIONS FOR 900 LBS COTTON - CONV. TILLAGE						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
**HERBICIDES						
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:				\$114.14		

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