

# Cotton, No-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
<b>1. GROSS RECEIPTS</b>					
COTTON LINT	LBS	950.00	\$0.74	\$703.00	_____
COTTON SEED*****	LBS	1587.00	\$0.09	\$142.83	_____
TOTAL RECEIPTS:				<b>\$845.83</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED	THOU.	46.00	\$3.09	\$142.14	_____
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	\$135.11	\$135.11	_____
LABOR	HRS	2.59	\$15.81	\$40.95	_____
INTEREST ON OP. CAP.	DOL.	269.98	5.375%	\$14.51	_____
TOTAL VARIABLE COSTS:				<b>\$746.97</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$98.86</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$222.50	\$222.50	_____
TOTAL FIXED COSTS:				<b>\$222.50</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	746.97	7.0%	\$52.29	_____
TOTAL OTHER COSTS:				<b>\$52.29</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$1,021.76</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>-\$175.93</b>	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>		
VARIABLE COSTS	817	LBS	VARIABLE COSTS	\$0.64
TOTAL COSTS	1191	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 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 - NO-TILL						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 900 LBS COTTON - NO TILLAGE						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
4	PLANTER NO-TILL 8-ROW	1.00	0.11	0.09	\$5.94	\$18.10
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			0.95	0.79	\$135.11	\$222.50
UNALLOCATED LABOR(HRS./AC.)			1.19			

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	-\$267.99	-\$222.39	-\$182.49	-\$142.59	-\$96.99
760	1269	-\$155.86	-\$95.06	-\$41.86	\$11.34	\$72.14
950	1587	-\$43.64	\$32.36	\$98.86	\$165.36	\$241.36
1140	1904	\$68.49	\$159.69	\$239.49	\$319.29	\$410.49
1330	2221	\$180.62	\$287.02	\$380.12	\$473.22	\$579.62

\*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 NEMATICIDES SHOULD BE BUDGETED ONLY WHEN NEMATODE ASSAY REPORTS INDICARE NEMATODE COUNTS AT OR ABOVE DAMAGING THRESHOLD LEVELS

CHEMICAL USE ASSUMPTIONS FOR 900 LBS COTTON - NO TILLAGE						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
<b>**HERBICIDES</b>						
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	
<b>**INSECTICIDES</b>						
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	
<b>**GROWTH REGULATOR &amp; DEFOLIANTS</b>						
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		

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