

# Cotton, Tidewater-2021, No-Till

NC STATE  
UNIVERSITY

ESTIMATED COSTS AND RETURNS PER ACRE, 2021  
900 POUND YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
COTTON LINT	LBS	900.00	\$0.69	\$621.00	_____
COTTON SEED	LBS	1503.00	\$0.08	\$120.24	_____
TOTAL RECEIPTS:				<b>\$741.24</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED	THOU.	46.00	\$2.11	\$97.06	_____
FERTILIZER****					
NITROGEN (30% solution)	LBS	150.00	\$0.14	\$21.00	_____
PHOSPHATE (DAP 18-46-0)	LBS	100.00	\$0.25	\$25.00	_____
POTASH (0-0-60)	LBS	66.67	\$0.21	\$14.00	_____
BORON	LBS	3.00	\$1.35	\$4.05	_____
SULFUR	LBS	10.00	\$0.28	\$2.80	_____
LIME (PRORATED)	TON	0.33	\$54.50	\$17.99	_____
HERBICIDES	ACRE	1.00	\$66.99	\$66.99	_____
INSECTICIDES	ACRE	1.00	\$36.54	\$36.54	_____
GROWTH REG. & DEFOLIANTS	ACRE	1.00	\$21.30	\$21.30	_____
SURFACTANT	ACRE	1.00	\$6.24	\$6.24	_____
SCOUTING	ACRE	1.00	\$16.00	\$16.00	_____
GINNING	LBS	900.00	\$0.13	\$117.00	_____
CROP INSURANCE	ACRE	1.00	\$30.00	\$30.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$49.19	\$49.19	_____
LABOR	HRS	2.27	\$12.67	\$28.76	_____
INTEREST ON OP. CAP.	DOL.	\$195.46	2.7%	\$5.32	_____
TOTAL VARIABLE COSTS:				<b>\$559.24</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$182.00</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$103.10	\$103.10	_____
TOTAL FIXED COSTS:				<b>\$103.10</b>	_____
<b>5. OTHER COSTS</b>					
GENERAL OVERHEAD	DOL.	\$559.24	7.0%	\$39.15	_____
TOTAL OTHER COSTS:				<b>\$39.15</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$701.49</b>	_____
<b>7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:</b>				<b>\$39.75</b>	_____

## BREAK-EVEN YIELD

VARIABLE COSTS	638	LBS	<u>BREAK-EVEN PRICE</u>	VARIABLE COSTS	\$0.49
TOTAL COSTS	842	LBS	TOTAL COSTS	TOTAL COSTS	\$0.65

\* 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 \$.55 CASH PRICE PLUS AN \$.11 LOAN DEFICIENCY PAYMENT.

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

COTTON - TIDEWATER - 900 LBS						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 900 LBS COTTON - TIDEWATER						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
3	PLANTER 12-ROW	1.00	0.11	0.10	\$5.58	\$15.42
3 thru 9	TRACTOR MTD SPRAYER 90FT	10.00	0.33	0.30	\$12.70	\$37.50
10	COTTON PICKER 6-ROW	1.00	0.20	0.18	\$19.01	\$41.15
10	BALE HAULER	1.00	0.37	0.34	\$11.90	\$9.03
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.01	0.92	\$49.19	\$103.10
UNALLOCATED LABOR(HRS./AC.)			1.26			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD		PRICE (\$/lbs.)				
LINT ----->>		\$0.55	\$0.62	\$0.69	\$0.76	\$0.83
SEED ----->>		\$0.060	\$0.070	\$0.080	\$0.090	\$0.100
720	1202	-\$67.72	-\$5.30	\$57.12	\$119.54	\$181.96
810	1353	-\$20.86	\$49.37	\$119.60	\$189.83	\$260.06
900	1503	\$25.94	\$103.97	\$182.00	\$260.03	\$338.06
990	1653	\$72.74	\$158.57	\$244.40	\$330.23	\$416.06
1080	1804	\$119.60	\$213.24	\$306.88	\$400.52	\$494.16

\*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

*CHEMICAL USE ASSUMPTIONS FOR 900 LBS COTTON					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
<b>**HERBICIDES</b>					
Fomasafen (Reflex)	PT	1.00	\$8.88	\$8.88	MAY
pendimethalin (Prowl)	PT	1.80	\$4.13	\$7.43	MAY
glyphosate (Roundup ultra)	QT	2.00	\$4.19	\$8.38	2 X APR/JUN
s-metolachlor (Dual Magnum EC)	PT	2.00	\$7.75	\$15.50	JUN
2,4-D	PT	2.00	\$1.82	\$3.64	APR
Acetochlor	OZ	1.50	\$0.19	\$0.28	APR
pyrithiobac (Staple)	OZ	2.00	\$8.94	\$17.88	JUN
Diuron (Direx)	PT	1.00	\$5.00	\$5.00	JUN
<b>**INSECTICIDES</b>					
imidacloprid (Admire Pro)	OZ	9.00	\$1.00	\$9.00	MAY
bifenthrin	OZ	6.40	\$0.82	\$5.27	JUN
acephate (Orthene)	OZ	16.00	\$0.37	\$5.86	JUN
Chlorantraniliprole (Prevathon)	OZ	14.00	\$1.17	\$16.41	JUL
<b>**GROWTH REGULATOR &amp; DEFOLIANTS</b>					
mepiquat chloride (Pix)	OZ	16.00	\$0.29	\$4.69	2X JUN, JUL
ethephon+cyclanilide (Finish6)	QT	0.75	\$13.38	\$10.03	SEP
tribufos (Folex)	PT	1.00	\$6.58	\$6.58	SEP
TOTAL:				\$124.83	

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