ESTIMATED COSTS AND RETURNS PER ACRE, 2021

900 POUND YIELD					
	LINUT	OLIANTITY	PRICE OR	TOTAL	YOUR
	UNIT	QUANTITY	COST/UNIT	PER ACRE	FARM
I. GROSS RECEIPTS*					
COTTON LINT	LBS	900.00	\$0.69	\$621.00 _	
COTTON SEED	LBS	1503.00	\$0.08	\$120.24 _	
TOTAL RECEIPTS:				\$741.24 _	
2. VARIABLE COSTS					
SEED	THOU.	46.00	\$2.11	\$97.06 _	
FERTILIZER*					
NITROGEN (30% solution)	LBS	150.00	\$0.14	\$21.00 _	
PHOSPHATE (DAP 18-24-12)	LBS	100.00	\$0.25	\$25.00	
POTASH (0-0-60)	LBS	50.00	\$0.21		
BORON	LBS	3.00	\$1.35		
SULFUR	LBS	10.00	\$0.28		
LIME (PRORATED)	TON	0.33	\$54.50		
HERBICIDES*	ACRE	1.00	\$93.37		
INSECTICIDES	ACRE		-		
		1.00	\$36.54		
GROWTH REG. & DEFOLIANTS	ACRE	1.00	\$21.30		
SURFACTANT	ACRE	1.00	\$7.56		
SCOUTING	ACRE	1.00	\$16.00		
GINNING	LBS	900.00	\$0.12	\$108.00 _	
CROP INSURANCE	ACRE	1.00	\$30.00		
TRACTOR/MACHINERY*	ACRE	1.00	\$45.37		
LABOR	HRS	2.27	\$12.67		
INTEREST ON OP. CAP.	DOL.	\$205.65	2.7%	\$5.59 _	
TOTAL VARIABLE COSTS:			_	\$570.89	
B. INCOME ABOVE VARIABLE COSTS:				\$170.35 _	
I. FIXED COSTS					
TRACTOR/MACHINERY*	ACRE	1.00	\$122.92	\$122.92 _	
TOTAL FIXED COSTS:			_	\$122.92	
TOTAL FIXED COSTS.				<b>Φ122.92</b> _	
S. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$570.89	7.0%	\$39.96 _	
TOTAL OTHER COSTS:			_	\$39.96 _	
S. TOTAL COSTS:				\$733.77 _	
'. NET RETURNS TO LAND, RISK, AND MAN	AGEMENT:			\$7.47	
				¥	
BREAK-EVEN YIELD		BR	EAK-EVEN PRI	CE	
VARIABLE COSTS	658	LBS	VARIABLE C		\$0.50
TOTAL COSTS	889	LBS	TOTAL COS		\$0.68
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<sup>\*</sup> This budget was developed for planning purposes only and does not include storage cost, land rent, or government payments

<sup>\*</sup>Prices paid to farmers are subject to change based on global, national, and local market conditions, budget represents futures + or - local basis

\*Fertilization rates are not a recommendation but a estimate of realized cost based on: https://articles.extension.org/sites/default/files/fertilization.pdf

<sup>\*</sup>Machinery fixed and variable cost assume a round bale cotton picker not requiring a module builder, each farm will need to consider how these distribute over their farming operation based on their number of acres as these budgets assume ideal farm size to leverage savings from equipment \*Herbicide cost represent three sprays at retail pricing, many cotton acres are sprayed four times over depending on year, soil type, and location

<b>COTTON-</b>	NO TILL					
	PER ACRE MACHINERY AND LABOR RE	QUIREME	NTS FOR 83	0 LBS COTTON	I - NO TILL	
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
		OVER	HOURS	HOURS	COSTS	COSTS
4	PLANTER NO-TILL 8-ROW	1.00	0.13	0.12	\$7.96	\$15.24
3 thru 9	HIBOY 100'	10.00	0.22	0.20	\$6.50	\$57.50
10	COTTON PICKER 6-ROW ROUND BALE	1.00	0.20	0.18	\$19.01	\$41.15
10	BALE HAULER	1.00	0.37	0.34	\$11.90	\$9.03
PER ACI	RE TOTALS FOR					
SELECT	ED OPERATIONS		1.01	0.84	\$45.37	\$122.92
UNALLO	CATED 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	-\$81.17	-\$18.75	\$43.67	\$106.09	\$168.51	
810	1353	-\$33.41	\$36.82	\$107.05	\$177.28	\$247.51	
900	1503	\$14.29	\$92.32	\$170.35	\$248.38	\$326.41	
1035	1728	\$85.84	\$175.57	\$265.30	\$355.03	\$444.76	
1125	1879	\$133.60	\$231.14	\$328.68	\$426.22	\$523.76	

\*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 - NO TILL							
			PRICE OR	TOTAL			
	UNIT	QUANTITY	COST/UNIT	PER ACRE	MONT		
*HERBICIDES							
flumioxazin (Valor)	OZ	2.00	\$4.50	\$9.00	MA		
2,4-D	PT	4.00	\$1.82	\$7.29	MA		
glyphosate (Roundup ultra)	QT	2.00	\$4.19	\$8.38	2 X MAY/JU		
Fomasafen (Reflex)	PT	1.50	\$8.88	\$13.32	AP		
Acetochlor (Warrant)	PT	2.25	\$3.03	\$6.82	AP		
dicamba (Banvel)	PT	2.00	\$9.79	\$19.58	JU		
s-metolachlor (Dual Magnum EC)	PT	2.00	\$7.75	\$15.50	JU		
glufosinate (Liberty)	OZ	29.00	\$0.46	\$13.48	JU		
*INSECTICIDES							
imidacloprid (Admire Pro)	OZ	9.00	\$1.00	\$9.00	MA		
bifenthrin	OZ	6.40	\$0.82	\$5.27	JU		
acephate (Orthene)	OZ	16.00	\$0.37	\$5.86	JU		
Chlorantraniliprole (Prevathon)	OZ	14.00	\$1.17	\$16.41	JU		
*GROWTH REGULATOR & DEFOLIANTS							
mepiquat chloride (Pix)	OZ	16.00	\$0.29	\$4.69	2X JUN, JU		
ethephon+cyclanilide (Finish6)	QT	0.75	\$13.38	\$10.03	SE		
tribufos (Folex)	PT	1.00	\$6.58	\$6.58	SE		
TOTAL:				\$151.21			