ESTIMATED COSTS AND RETURNS PER ACRE, 2023 830 POUND YIELD

830 POUND YIELD			PRICE OR	TOTAL	YOUR
	UNIT	QUANTITY	COST/UNIT	PER ACRE	FARM
I. GROSS RECEIPTS					
COTTON LINT	LBS	900.00	\$0.81	\$720.00	
COTTON SEED****	LBS	1503.00	\$0.15		
OOTTON GEED	LDO	1000.00	ψ0.10	ΨΖΖΟ10	
TOTAL RECEIPTS:				\$954.45	
2. VARIABLE COSTS					
SEED	THOU.	46.00	\$2.41	\$110.86	
FERTILIZER****			*-	*	
NITROGEN (30% solution)	LBS	180.00	\$0.36	\$64.80	
PHOSPHATE (DAP 18-46-0)	LBS	65.00	\$0.56		
POTASH (0-0-60)	LBS	50.00	\$0.51		
BORON	LBS	3.00	\$1.50		
SULFUR	LBS	10.00	\$0.28	\$2.80 \$2.80	
LIME (PRORATED)	TON	0.33	\$57.00		
HERBICIDES	ACRE	1.00	\$76.40		
INSECTICIDES	ACRE	1.00	\$21.23	\$21.23	
GROWTH REG. & DEFOLIANTS	ACRE	1.00	\$37.07	\$37.07	
SCOUTING	ACRE	1.00	\$20.00	\$20.00	
GINNING****	LBS	900.00	\$0.251	\$225.45	
CROP INSURANCE	ACRE	1.00	\$30.00	\$30.00	
TRACTOR/MACHINERY	ACRE	1.00	\$172.71	\$172.71	
LABOR	HRS	2.59	\$14.16		
INTEREST ON OP. CAP.	DOL.	\$303.88	8.0%	\$24.31	
TOTAL VARIABLE COSTS:			=	\$907.51	
3. INCOME ABOVE VARIABLE COSTS:				\$46.94	
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$195.33	\$195.33	
TRACTORIMACHINERT	AONE	1.00	ψ190.00	Ψ195.55	
TOTAL FIXED COSTS:			=	\$195.33	
5. OTHER COSTS					
		4		4	
GENERAL OVERHEAD	DOL.	\$907.51	7.0%		
TOTAL OTHER COSTS:			_	\$63.53	
6. TOTAL COSTS:				\$1,166.37	
b. TOTAL COSTS:				\$1,100.37	
7. NET RETURNS TO LAND, RISK, AND MAN	AGEMENT:			-\$211.92	
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BREAK-EVEN YIELD			REAK-EVEN PRI	 CE	
, ,	842		REAK-EVEN PRI VARIABLE C		\$0.76

^{*} 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 A LOCAL BASE PRICE PLUS FUTURES AT THE TIME OF PUBLICATION

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

^{*****}MOST GROWERS ARE GIVEN GINNING IN EXCHANGE FOR COTTON SEED, THIS BUDGET SHOWS SEED PRICE AND GINNING COST AS OFFSETTING

COTTON - NO-TILL							
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 830 LBS COTTON - CONV. TILLAGE							
MONTH OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED		
	OVER	HOURS	HOURS	COSTS	COSTS		
4 PLANTER NO-TILL 8-ROW 3 thru 9 HIBOY 90' 10 COTTON PICKER 6-ROW 10 BALE HAULER	1.00 10.00 1.00 1.00	0.14 0.36 0.24 0.41	0.12 0.30 0.20 0.34	\$7.79 \$61.10 \$90.91 \$12.91	\$15.91 \$72.00 \$91.84 \$15.58		
PER ACRE TOTALS FOR SELECTED OPERATIONS UNALLOCATED LABOR(HRS./AC.)		1.15 1.44	0.96	\$172.71	\$195.33		

	INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES							
YIELD		PRICE (\$/lbs.)						
LINT	SEED>>	\$0.65 \$0.150	\$0.73 \$0.150	\$0.81 \$0.150	\$0.89 \$0.150	\$0.97 \$0.150		
540	902	-\$331.03	-\$287.83	-\$244.63	-\$201.43	-\$158.23		
720	1202	-\$214.12	-\$156.52	-\$98.92	-\$41.32	\$16.28		
900	1503	-\$97.06	-\$25.06	\$46.94	\$118.94	\$190.94		
1080	1804	\$20.00	\$106.40	\$192.80	\$279.20	\$365.60		
1260	2104	\$136.91	\$237.71	\$338.51	\$439.31	\$540.11		

^{*}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

CHEMICAL USE ASSUMPTIONS FOR 830 LBS COTTON - CONV. TILLAGE							
			PRICE OR	TOTAL			
	UNIT	QUANTITY	COST/UNIT	PER ACRE	MONT		
**HERBICIDES							
flumioxazin (Valor)	OZ	1.00	\$5.86	\$5.86	MA		
2,4-D	PT	1.00	\$2.83	\$2.83	MA		
glyphosate (Roundup ultra)	QT	3.00	\$5.63	\$16.88	3X APR, MAY, JU		
s-metolachlor (Dual Magnum EC)	PT	1.00	\$10.78	\$10.78	2 X MAY, JU		
dicamba (Banvel)	PT	2.00	\$12.23	\$24.47	JU		
glufosinate	OZ	29.00	\$0.54	\$15.58	JU		
**INSECTICIDES							
imidacloprid (Admire Pro)	OZ	1.70	\$1.31	\$2.23	MA		
Transform (sulfoxaflor)	OZ	2.25	\$5.50	\$12.38	JI		
bifenthrin	OZ	2.50	\$1.03	\$2.58	AL		
acephate (Orthene)	OZ	8.00	\$0.51	\$4.04	AL		
**GROWTH REGULATOR & DEFOLIANTS							
mepiquat chloride (Pix)	OZ	16.00	\$0.34	\$5.47	2X JUN, JU		
ethephon+cyclanilide (Finish6)	QT	0.75	\$17.19	\$12.89	SE		
tribufos (Folex)	OZ	12.00	\$0.53	\$6.33	SE		
thidiazuron (FreeFall)	OZ	3.20	\$3.87	\$12.38	SE		
TOT41				A 404 T 0			
TOTAL:				\$134.70			