ESTIMATED COSTS AND RETURNS PER ACRE, 2022

900 POUND YIELD					
			PRICE OR	TOTAL	YOUR
	UNIT	QUANTITY	COST/UNIT	PER ACRE	FARM
1. GROSS RECEIPTS*					
COTTON LINT	LBS	900.00	\$1.12	\$1,008.00 _	
COTTON SEED	LBS	1503.00	\$0.08	\$120.24	
			*****	* · · -	
TOTAL RECEIPTS:				\$1,128.24 _	
2. VARIABLE COSTS					
SEED	THOU.	46.00	\$2.11	\$97.06 _	
FERTILIZER*					
NITROGEN (30% solution)	CWT	1.50	\$25.55		
PHOSPHATE (DAP 18-24-12)	LBS	100.00	\$0.41	\$41.00 _	
POTASH (0-0-60)	LBS	50.00	\$0.43	\$21.50 _	
BORON	LBS	3.00	\$1.35	\$4.05 _	
SULFUR	LBS	10.00	\$0.28	\$2.80 _	
LIME (PRORATED)	TON	0.33	\$54.50		
HERBICIDES*	ACRE	1.00	\$111.59	\$111.59 _	
INSECTICIDES	ACRE	1.00	\$26.50	\$26.50	
GROWTH REG. & DEFOLIANTS	ACRE	1.00	\$26.80	\$26.80	
SURFACTANT	ACRE	1.00	\$8.24	\$8.24	
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	\$70.27	\$70.27	
LABOR	HRS	2.52	\$13.15	\$33.14 _	
INTEREST ON OP. CAP.	DOL.	\$249.64	2.0%	\$4.99	
TOTAL VARIABLE COSTS:			=	\$667.26 _	
3. INCOME ABOVE VARIABLE COSTS:				\$460.98 _	
I. FIXED COSTS					
TRACTOR/MACHINERY*	ACRE	1.00	\$175.28	\$175.28	
			_	_	
TOTAL FIXED COSTS:				\$175.28	
5. OTHER COSTS					
GENERAL OVERHEAD	DOL.	\$667.26	7.0%	\$46.71 _	
TOTAL OTHER COSTS:			=	\$46.71 _	
S. TOTAL COSTS:				\$889.25	
5. TOTAL COSTS.				φ003.23 _	
NET RETURNS TO LAND, RISK, AND MAN	AGEMENT:			\$238.99 _	
BREAK-EVEN YIELD	BREAK-EVEN PRICE				
VARIABLE COSTS TOTAL COSTS	490 686	LBS LBS	VARIABLE C		\$0.61 \$0.85

^{*} This budget was developed for planning purposes only and does not include storage cost, land rent, or government payments

^{*}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

^{*}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

COTTON -	NO TILL						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 830 LBS COTTON - NO TILL							
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED	
		OVER	HOURS	HOURS	COSTS	COSTS	
4	PLANTER NO-TILL 8-ROW	1.00	0.14	0.12	\$7.76	\$14.05	
3 thru 9	HIBOY 120'	10.00	0.23	0.20	\$6.20	\$55.10	
10	COTTON PICKER 6-ROW	1.00	0.21	0.18	\$44.13	\$93.28	
10	BALE HAULER	1.00	0.39	0.34	\$12.18	\$12.85	
PER ACI	RE TOTALS FOR						
SELECT	ED OPERATIONS		1.12	0.84	\$70.27	\$175.28	
UNALLO	CATED LABOR(HRS./AC.)		1.40				

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES							
YIELD		PRICE (\$/lbs.)					
LINT	>>	\$0.90	\$1.01	\$1.12	\$1.23	\$1.34	
	SEED>>	\$0.060	\$0.070	\$0.080	\$0.090	\$0.100	
720	1202	\$76.26	\$167.48	\$258.70	\$349.92	\$441.14	
810	1353	\$154.62	\$257.25	\$359.88	\$462.51	\$565.14	
900	1503	\$232.92	\$346.95	\$460.98	\$575.01	\$689.04	
1035	1728	\$350.37	\$481.50	\$612.63	\$743.76	\$874.89	
1125	1879	\$428.73	\$571.27	\$713.81	\$856.35	\$998.89	

*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 ASS	UMPTIONS F	OR 900 LBS C	OTTON - NO TIL	.L	
			PRICE OR	TOTAL	
	UNIT	QUANTITY	COST/UNIT	PER ACRE	MONTH
**HERBICIDES					
flumioxazin (Valor)	oz	2.00	\$5.86	\$11.72	MAY
2,4-D	PT	4.00	\$2.83	\$11.33	MAY
glyphosate (Roundup ultra)	QT	2.00	\$5.63		2 X MAY/JUN
Fomasafen (Reflex)	PT	1.50	\$10.16	\$15.23	APR
Acetochlor	Oz	2.25	\$0.20	\$0.45	APR
dicamba (Banvel)	PT	2.00	\$12.24	\$24.47	JUN
s-metolachlor (Dual Magnum EC)	PT	2.00	\$10.78	\$21.56	JUN
glufosinate	oz	29.00	\$0.54	\$15.58	JUN
**INSECTICIDES					
imidacloprid (Admire Pro)	OZ	9.00	\$1.31	\$11.79	MAY
bifenthrin	OZ	6.40	\$1.03	\$6.62	JUL
acephate (Orthene)	OZ	16.00	\$0.51	\$8.09	JUL
**GROWTH REGULATOR & DEFOLIANTS					
mepiguat chloride (Pix)	OZ	16.00	\$0.34	\$5.47	2X JUN, JUL
ethephon+cyclanilide (Finish6)	QT	0.75	\$17.19	\$12.89	SEP
tribufos (Folex)	PT	1.00	\$8.44	\$8.44	SEP
TOTAL:				\$164.89	

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