ESTIMATED COSTS AND RETURNS PER ACRE, 2021

LINUT	OLIANITITY/	PRICE OR	TOTAL	YOUR
UNII	QUANTITY	COST/UNIT	PER ACRE	FARM
LBS	900.00	\$0.69	\$621.00	
		•		
		Ų O.OO	* · - · · -	
			\$741.24 _	
THOU.	42.00	\$2.11	\$88.62 _	
LBS	150.00	\$0.14	\$21.00 _	
LBS	100.00	\$0.25		
LBS	50.00	\$0.21		
LBS	3.00	\$1.35	\$4.05	
LBS	10.00	\$0.28	\$2.80	
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		•		
DOL.	\$211.64	2.7%	\$5.76 _	
		_	\$583.04	
			\$158 . 20 _	
ACRE	1.00	\$138.32	\$138.32	
		·		
		=	\$138.32 _	
- 0.	4		A	
DOL.	\$583.04	7.0%	_	
		=	\$40.81 _	
			\$762.17 _	
AGEMENT:			-\$20.93 _	
	RR	EAK-EVEN PRI	CE	
675				\$0.51
	_			\$0.51
930	LDO	IOIAL COS	10	ψυ./ Ι
	LBS LBS LBS LBS TON ACRE ACRE ACRE ACRE ACRE LBS ACRE HRS DOL. ACRE	LBS 900.00 LBS 1503.00 THOU. 42.00 LBS 150.00 LBS 100.00 LBS 50.00 LBS 3.00 LBS 10.00 TON 0.33 ACRE 1.00 HRS 3.22 DOL. \$211.64 AGEMENT: BR 675 LBS	UNIT QUANTITY COST/UNIT LBS 900.00 \$0.69 LBS 1503.00 \$0.08 THOU. 42.00 \$2.11 LBS 150.00 \$0.14 LBS 100.00 \$0.25 LBS 50.00 \$0.21 LBS 3.00 \$1.35 LBS 10.00 \$0.28 TON 0.33 \$54.50 ACRE 1.00 \$91.55 ACRE 1.00 \$36.54 ACRE 1.00 \$21.30 ACRE 1.00 \$7.48 ACRE 1.00 \$16.00 LBS 900.00 \$0.12 ACRE 1.00 \$30.00 ACRE 1.00 \$55.65 HRS 3.22 \$12.67 DOL. \$211.64 2.7% AGEMENT: BREAK-EVEN PRI VARIABLE CO	UNIT QUANTITY COST/UNIT PER ACRE LBS 900.00 \$0.69 \$621.00 _ LBS 1503.00 \$0.08 \$120.24 _ \$741.24 _ THOU. 42.00 \$2.11 \$88.62 _ LBS 150.00 \$0.14 \$21.00 _ LBS 100.00 \$0.25 \$25.00 _ LBS 50.00 \$0.21 \$10.50 _ LBS 3.00 \$1.35 \$4.05 _ LBS 10.00 \$0.28 \$2.80 _ TON 0.33 \$54.50 \$17.99 _ ACRE 1.00 \$91.55 \$91.55 _ ACRE 1.00 \$36.54 \$36.54 \$36.54 _ ACRE 1.00 \$7.48 \$7.48 _ ACRE 1.00 \$16.00 \$16.00 \$16.00 _ LBS 900.00 \$0.12 \$108.00 _ ACRE 1.00 \$30.00 \$30.00 _ ACRE 1.00 \$55.65 \$55.65 _ HRS 3.22 \$12.67 \$40.80 _ DOL. \$211.64 2.7% \$576 _ \$138.32 _ AGEMENT: \$762.17 _ BREAK-EVEN PRICE VARIABLE COSTS

^{*} 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

^{*}Machinery fixed and variable cost include cost for a cotton picker, cotton module builder, and bale hauler

^{*}Herbicide cost represent three sprays at retail pricing, many cotton acres are sprayed four times over depending on year, soil type, and location

	PER ACRE MACHINERY AND LABOR F					
MONTH	OPERATION	TIMES	LABOR	MACHINE	VARIABLE	FIXED
		OVER	HOURS	HOURS	COSTS	COSTS
3	*STRIP TILL RIG	1.00	0.00	0.00	\$4.11	\$9.57
3	PLANTER 8-ROW	1.00	0.15	0.14	\$6.03	\$19.12
3 thru 9	TRACTOR MTD SPRAYER 90FT	10.00	0.33	0.30	\$11.10	\$38.80
10	COTTON PICKER 6-ROW MODULE	1.00	0.29	0.26	\$10.69	\$26.96
10	COTTON PICKER 6-ROW	1.00	0.29	0.26	\$13.64	\$34.40
10	BALE HAULER	1.00	0.37	0.34	\$10.08	\$9.47
PER ACI	RE TOTALS FOR					
SELECT	ED OPERATIONS		1.43	1.30	\$55.65	\$138.32
UNALLO	OCATED LABOR(HRS./AC.)		1.79			

^{*}The strip till rig is being pulled in tandom with the planter therefore we assume the strip till rig does not incur the additional cost or the *additional* fixed and variabile cost associated with a tractor

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	IELD 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	-\$93.32	-\$30.90	\$31.52	\$93.94	\$156.36
810	1353	-\$45.56	\$24.67	\$94.90	\$165.13	\$235.36
900	1503	\$2.14	\$80.17	\$158.20	\$236.23	\$314.26
1035	1728	\$73.69	\$163.42	\$253.15	\$342.88	\$432.61
1125	1879	\$121.45	\$218.99	\$316.53	\$414.07	\$511.61

*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 - STRIP TILLAGE							
			PRICE OR	TOTAL			
	UNIT	QUANTITY	COST/UNIT	PER ACRE	MONTH		
**HERBICIDES							
flumioxazin (Valor)	OZ	2.00	\$4.50	\$9.00	MAY		
2,4-D	PT	4.00	\$1.82	\$7.29	MAY		
glyphosate (Roundup ultra)	QT	2.00	\$4.19	\$8.38	2X MAY/JUN		
Diuron (Direx)	PT	1.00	\$5.00	\$5.00	APR		
Fomasafen (Reflex)	PT	1.50	\$8.88	\$13.32	APR		
s-metolachlor (Dual Magnum EC)	PT	2.00	\$7.75	\$15.50	JUN		
glufosinate (Liberty)	OZ	29.00	\$0.46	\$13.48	JUN		
dicamba (Banvel)	PT	2.00	\$9.79	\$19.58	JUN		
**INSECTICIDES							
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		
**GROWTH REGULATOR & DEFOLIANTS							
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							
TOTAL:				\$149.39			