

CLEMSON COOPERATIVE EXTENSION

Last revised: 02/06/2017

COTTON - B2RF or WRF (Strip-Till)					
ESTIMATED COSTS AND RETURNS PER ACRE					
750 POUND YIELD					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
COTTON LINT	LBS	750.00	\$0.7200	\$540.00	_____
COTTON SEED	LBS	1253.00	\$0.0950	\$119.04	_____
TOTAL RECEIPTS:				\$659.04	_____
2. VARIABLE COSTS					
SEED	THOU.	37.50	\$2.35	\$88.13	_____
FERTILIZER					
NITROGEN	LBS	70.00	\$0.52	\$36.40	_____
PHOSPHATE	LBS	30.00	\$0.51	\$15.30	_____
POTASH	LBS	80.00	\$0.40	\$32.00	_____
BORON	LBS	0.50	\$1.55	\$0.78	_____
SULFUR	LBS	10.00	\$0.31	\$3.00	_____
LIME (PRORATED)	TON	0.33	\$47.50	\$15.68	_____
HERBICIDES	ACRE	1.00	\$32.44	\$32.44	_____
INSECTICIDES	ACRE	1.00	\$22.12	\$22.12	_____
GROWTH REG. & DEFOLIANTS	ACRE	1.00	\$8.62	\$8.62	_____
SCOUTING	ACRE	1.00	\$8.50	\$8.50	_____
GINNING	LBS	750.00	\$0.120	\$90.00	_____
CHECK-OFF FEE	BALE	1.56	\$1.00	\$1.56	_____
BOLL WEEVIL ERADICATION	ACRE	1.00	\$1.50	\$1.50	_____
CROP INSURANCE	ACRE	1.00	\$20.00	\$20.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$95.97	\$95.97	_____
LABOR	HRS	2.99	\$11.25	\$33.64	_____
INTEREST ON OP. CAP.	DOL.	\$252.82	5.0%	\$12.64	_____
TOTAL VARIABLE COSTS:				\$518.28	_____
3. INCOME ABOVE VARIABLE COSTS:				\$140.76	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$127.33	\$127.33	_____
TOTAL FIXED COSTS:				\$127.33	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$60.00	\$60.00	_____
GENERAL OVERHEAD	DOL.	\$518.28	7.0%	\$36.28	_____
TOTAL OTHER COSTS:				\$96.28	_____
6. TOTAL COSTS:				\$741.89	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$82.85	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	565 LBS	VARIABLE COSTS	\$0.5323
TOTAL COSTS	862 LBS	TOTAL COSTS	\$0.8305

*Seed cost includes tech. fee and treatment. Please adjust accordingly if using Thimet or Aldicarb

* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

COTTON - B2RF or WRF (Strip-Till)						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 750 LBS COTTON - STACKED						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
5	SUBSOILER-PLANTER 6-ROW	1.00	0.34	0.18	\$6.35	\$7.92
3,6,7,8&9	SELF PROPELLED SPRAYER 90'	5.00	0.40	0.05	\$3.95	\$4.90
6	HERBICIDE APPLICATOR 12'	1.00	0.17	0.15	\$1.58	\$1.44
10	COTTON PICKER 6-ROW (500 hp W/MC)	1.00	0.42	0.29	\$84.09	\$113.07
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.33	0.67	\$95.97	\$127.33
UNALLOCATED LABOR(HRS./AC.)			1.66			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD (LBS)		PRICE (\$/lbs.)				
LINT	SEED	\$0.5760	\$0.6480	\$0.7200	\$0.7920	\$0.8640
		\$0.0760	\$0.0855	\$0.0950	\$0.1045	\$0.1140
600	1002	-\$78.91	-\$26.18	\$26.54	\$79.26	\$131.98
675	1127	-\$35.44	\$23.87	\$83.18	\$142.48	\$201.79
750	1253	\$8.11	\$74.01	\$139.92	\$205.82	\$271.72
825	1378	\$51.57	\$124.06	\$196.55	\$269.04	\$341.53
900	1503	\$95.04	\$174.12	\$253.20	\$332.27	\$411.35

CHEMICAL USE ASSUMPTIONS FOR 750 LBS COTTON B2RF OR WRF STRIP-TILL						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
HERBICIDES						
pendimethalin (Prowl)	PT	2.40	\$3.44	\$8.25	MAR	
reflex	PT	1.00	\$6.44	\$6.44	MAR	
glyphosate (generic)	OZ	64.00	\$0.15	\$9.50	2X JUN	
msma	GAL	0.16	\$26.50	\$4.24	JUN	
prometryn (Caparol)	PT	1.20	\$3.34	\$4.01	JUN	
INSECTICIDES						
lambda-cyhalothrin (Karate-Z)	OZ	5.00	\$2.77	\$13.87	2X JUL/AUG	
acephate (Orthene)	OZ	16.00	\$0.52	\$8.25	JUN	
GROWTH REGULATOR & DEFOLIANTS						
mepiquat chloride (generic)	OZ	16.00	\$0.05	\$0.75	2X JUN/JUL	
ethephon (Prep)	PT	1.33	\$2.94	\$3.91	SEP	
carfentrazone (Aim)	OZ	0.67	\$5.91	\$3.96	SEP	
TOTAL:				\$63.18		

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. Contact your local Extension Agent and consult the South Carolina Pest Management Handbook for more information.

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