CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

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	$0.6500	$487.50	
COTTON SEED	LBS	1253.00	$0.1000	$125.30	
TOTAL RECEIPTS:				**$612.80**	**$0.00**
2. VARIABLE COSTS					
SEED	LBS	8.00	$5.25	$42.00	
FERTILIZER					
NITROGEN	LBS	70.00	$0.77	$53.90	
PHOSPHATE	LBS	30.00	$0.49	$14.70	
POTASH	LBS	80.00	$0.33	$26.40	
BORON	LBS	0.50	$1.55	$0.78	
SULFUR	LBS	10.00	$0.31	$3.00	
LIME (PRORATED)	TON	0.33	$45.00	$14.85	
HERBICIDES	ACRE	1.00	$30.14	$30.14	
INSECTICIDES	ACRE	1.00	$13.87	$13.87	
GROWTH REG. & DEFOLIANTS	ACRE	1.00	$8.62	$8.62	
SCOUTING	ACRE	1.00	$9.00	$9.00	
GINNING	LBS	750.00	$0.120	$90.00	
CHECK-OFF FEE	BALE	1.56	$1.00	$1.56	
BOLL WEEVIL ERADICATION	BALE	1.56	$2.56	$4.00	
CROP INSURANCE	ACRE	1.00	$20.00	$20.00	
TRACTOR/MACHINERY	ACRE	1.00	$65.57	$65.57	
LABOR	HRS	4.50	$9.50	$42.75	
INTEREST ON OP. CAP.	DOL.	$220.57	5.0%	$11.03	
TOTAL VARIABLE COSTS:				**$452.17**	**$0.00**
3. INCOME ABOVE VARIABLE COSTS:				**$160.63**	**$0.00**
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	$75.18	$75.18	
TOTAL FIXED COSTS:				**$75.18**	**$0.00**
5. OTHER COSTS					
LAND RENT	ACRE	1.00	$60.00	$60.00	
GENERAL OVERHEAD	DOL.	$452.17	7.0%	$31.65	
TOTAL OTHER COSTS:				**$91.65**	**$0.00**
6. TOTAL COSTS:				**$619.00**	**$0.00**
7. NET RETURNS TO RISK AND MANAGEMENT:				**-$6.20**	**$0.00**

BREAK-EVEN YIELD			**BREAK-EVEN PRICE**	
VARIABLE COSTS	518	LBS	VARIABLE COSTS	$0.4358
TOTAL COSTS	759	LBS	TOTAL COSTS	$0.6583

* 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	STRIP TILL RIG	1.00	0.34	0.31	$5.41	$8.62
5	TRACTOR MTD SPRAYER	1.00	0.18	0.16	$1.35	$1.57
3,6,7,8&9	HIBOY	6.00	0.40	0.36	$11.40	$19.80
6	HERBICIDE APPLICATOR 12'	1.00	0.17	0.15	$1.58	$1.44
10	COTTON PICKER 4-ROW	1.00	0.42	0.38	$37.93	$35.62
10	COTTON MODULE BUILDER	1.00	0.12	0.11	$2.42	$2.19
10	BOLL BUGGY	1.00	0.37	0.34	$5.48	$5.94
PER ACRE TOTALS FOR SELECTED OPERATIONS			2.00	1.81	$65.57	$75.18
UNALLOCATED LABOR(HRS./AC.)			2.50			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES

YIELD (LBS)		PRICE ($/lbs.)				
LINT ----------->>		$0.5200	$0.5850	$0.6500	$0.7150	$0.7800
	SEED ---------->>	$0.0800	$0.0900	$0.1000	$0.1100	$0.1200
600	1002	-$41.21	$7.81	$56.83	$105.85	$154.87
675	1127	-$1.61	$53.54	$108.68	$163.83	$218.97
750	1253	$38.07	$99.35	$160.63	$221.91	$283.19
825	1378	$77.67	$145.08	$212.48	$279.89	$347.29
900	1503	$117.27	$190.80	$264.33	$337.86	$411.39

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	$6.31	$15.15	MAR
reflex	PT	1.00	$6.44	$6.44	MAR
glyphosate (generic)	OZ	2.00	$0.15	$0.30	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
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:				$52.63	

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. The "Pest Management Handbook" must be consulted. Production assumptions by Michael A. Jones, Extension Specialist, (843) 669-1912, majones@clemson.edu.

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