CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

COTTON - B2RF or WRF

ESTIMATED COSTS AND RETURNS PER ACRE
1000 POUND YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
COTTON LINT	LBS	1000.00	$0.6500	$650.00	
COTTON SEED	LBS	1670.00	$0.1000	$167.00	
TOTAL RECEIPTS:				**$817.00**	**$0.00**
2. VARIABLE COSTS					
SEED	LBS	8.00	$5.25	$42.00	
FERTILIZER					
NITROGEN	LBS	90.00	$0.77	$69.30	
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	1000.00	$0.120	$120.00	
CHECK-OFF FEE	BALE	2.08	$1.00	$2.08	
BOLL WEEVIL ERADICATION	BALE	2.08	$2.56	$5.33	
CROP INSURANCE	ACRE	1.00	$20.00	$20.00	
TRACTOR/MACHINERY	ACRE	1.00	$70.53	$70.53	
LABOR	HRS	4.70	$9.50	$44.65	
INTEREST ON OP. CAP.	DOL.	$247.63	5.0%	$12.38	
TOTAL VARIABLE COSTS:				**$507.63**	**$0.00**
3. INCOME ABOVE VARIABLE COSTS:				**$309.37**	**$0.00**
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	$79.18	$79.18	
TOTAL FIXED COSTS:				**$79.18**	**$0.00**
5. OTHER COSTS					
LAND RENT	ACRE	1.00	$60.00	$60.00	
GENERAL OVERHEAD	DOL.	$507.63	7.0%	$35.53	
TOTAL OTHER COSTS:				**$95.53**	**$0.00**
6. TOTAL COSTS:				**$682.34**	**$0.00**
7. NET RETURNS TO RISK AND MANAGEMENT:				**$134.66**	**$0.00**

BREAK-EVEN YIELD			**BREAK-EVEN PRICE**	
VARIABLE COSTS	553	LBS	VARIABLE COSTS	$0.3406
TOTAL COSTS	803	LBS	TOTAL COSTS	$0.5153

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

COTTON - STACKED (ROUND-UP READY AND BT)

PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 750 LBS COTTON - STACKED

MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
3	LIGHT DISKING W/ HERBICIDE 16'	1.00	0.17	0.15	$2.82	$3.11
3	SUBSOILER-BEDDER 8-ROW	1.00	0.13	0.12	$4.43	$4.89
5	PLANTER W/ SPRAYER 8-ROW	1.00	0.13	0.12	$3.12	$4.62
6	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			2.09	1.89	$70.53	$79.18
UNALLOCATED LABOR(HRS./AC.)			2.61			

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
800	1336	$40.31	$105.67	$171.03	$236.39	$301.75
900	1503	$93.14	$166.67	$240.20	$313.73	$387.26
1000	1670	$145.97	$227.67	$309.37	$391.07	$472.77
1100	1837	$198.79	$288.66	$378.53	$468.40	$558.27
1200	2004	$251.62	$349.66	$447.70	$545.74	$643.78

CHEMICAL USE ASSUMPTIONS FOR 750 LBS COTTON - STACKED

	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.

THE CLEMSON UNIVERSITY COOPERATIVE EXTENSION SERVICE OFFERS ITS PROGRAMS TO PEOPLE OF ALL AGES, REGARDLESS OF RACE, COLOR, SEX, RELIGION, NATIONAL ORIGIN, OR HANDICAP AND IS AN EQUAL OPPORTUNITY EMPLOYER. COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS--STATE OF SOUTH CAROLINA, CLEMSON UNIVERSITY, U.S. DEPARTMENT OF AGRICULTURE, AND SOUTH CAROLINA COUNTIES COOPERATING.