

CLEMSON COOPERATIVE EXTENSION

Last revised: 02/06/2017

COTTON - B2RF or WRF (Irrigated, Conventional Tillage)

ESTIMATED COSTS AND RETURNS PER ACRE
1000 POUND YIELD - 80 ACRE CENTER PIVOT - 6" OF WATER

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
COTTON LINT	LBS	1000.00	\$0.7200	\$720.00	_____
COTTON SEED	LBS	1670.00	\$0.0950	\$158.65	_____
TOTAL RECEIPTS:				\$878.65	=====
2. VARIABLE COSTS					
SEED	THOU.	37.50	\$2.35	\$88.13	_____
FERTILIZER					
NITROGEN	LBS	90.00	\$0.52	\$46.80	_____
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	\$0.17	\$3.00	_____
LIME (PRORATED)	TON	0.33	\$47.50	\$15.68	_____
HERBICIDES	ACRE	1.00	\$39.34	\$39.34	_____
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	1000.00	\$0.120	\$120.00	_____
CHECK-OFF FEE	BALE	2.08	\$1.00	\$2.08	_____
BOLL WEEVIL ERADICATION	BALE	2.08	\$1.50	\$3.13	_____
IRRIGATION MACHINERY/LABOR	IN/ACRE	1.00	\$30.00	\$30.00	_____
CROP INSURANCE	ACRE	1.00	\$20.00	\$20.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$100.78	\$100.78	_____
LABOR	HRS	2.23	\$11.25	\$25.09	_____
INTEREST ON OP. CAP.	DOL.	\$290.68	5.0%	\$14.53	_____
TOTAL VARIABLE COSTS:				\$595.88	=====
3. INCOME ABOVE VARIABLE COSTS:				\$282.77	=====
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$133.01	\$133.01	_____
IRRIGATION - FIXED - (\$/ACRE) - COTT	ACRE	1.00	100.00	\$100.00	_____
TOTAL FIXED COSTS:				\$233.01	=====
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$60.00	\$60.00	_____
GENERAL OVERHEAD	DOL.	\$595.88	7.0%	\$41.71	_____
TOTAL OTHER COSTS:				\$101.71	=====
6. TOTAL COSTS:				\$930.60	=====
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$51.95	=====

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	626 LBS	VARIABLE COSTS	\$0.4372
TOTAL COSTS	1070 LBS	TOTAL COSTS	\$0.7720

*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 - STACKED (ROUND-UP READY AND BT)						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 1000 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
3,6,7,8&9	SELF PROPELLED SPRAYER 90'	6.00	0.07	0.06	\$4.74	\$5.88
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	0.32	0.29	\$84.09	\$113.07
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.99	0.89	\$100.78	\$133.01
UNALLOCATED LABOR(HRS./AC.)			1.24			

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
800	1336	-\$8.91	\$61.38	\$131.67	\$201.96	\$272.25
900	1503	\$49.07	\$128.15	\$207.23	\$286.30	\$365.38
1000	1670	\$107.05	\$194.92	\$282.78	\$370.65	\$458.51
1100	1837	\$165.02	\$261.67	\$358.33	\$454.98	\$551.63
1200	2004	\$223.00	\$328.44	\$433.88	\$539.32	\$644.76

CHEMICAL USE ASSUMPTIONS FOR 1000 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	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:				\$70.08		

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.

Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, gender, religion, national origin, disability, political beliefs, sexual orientation, gender identity, marital or family status and is an equal opportunity employer.