

# CLEMSON COOPERATIVE EXTENSION

Last revised: 02/06/2017

## COTTON - B2RF or WRF Conventional Tillage

ESTIMATED COSTS AND RETURNS PER ACRE  
750 POUND YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
COTTON LINT	LBS	750.00	\$0.7200	\$540.00	_____
COTTON SEED	LBS	1253.00	\$0.0950	\$119.04	_____
TOTAL RECEIPTS:				<b>\$659.04</b>	=====
<b>2. VARIABLE COSTS</b>					
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	\$14.12	\$14.12	_____
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	BALE	1.00	\$1.50	\$1.50	_____
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.	\$253.70	5.0%	\$12.69	_____
TOTAL VARIABLE COSTS:				<b>\$520.09</b>	=====
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$138.95</b>	=====
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$133.01	\$133.01	_____
TOTAL FIXED COSTS:				<b>\$133.01</b>	=====
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$60.00	\$60.00	_____
GENERAL OVERHEAD	DOL.	\$520.09	7.0%	\$36.41	_____
TOTAL OTHER COSTS:				<b>\$96.41</b>	=====
<b>6. TOTAL COSTS:</b>				<b>\$749.51</b>	=====
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>-\$90.47</b>	=====

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	567 LBS	VARIABLE COSTS	\$0.5347
TOTAL COSTS	872 LBS	TOTAL COSTS	\$0.8406

\*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						
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
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 ----->>			\$0.5760	\$0.6480	\$0.7200	\$0.7920	\$0.8640
SEED ----->>			\$0.0760	\$0.0855	\$0.0950	\$0.1045	\$0.1140
600	1002		-\$80.72	-\$28.00	\$24.73	\$77.44	\$130.17
675	1127		-\$37.25	\$22.06	\$81.37	\$140.67	\$199.98
750	1253		\$6.30	\$72.20	\$138.11	\$204.01	\$269.91
825	1378		\$49.76	\$122.25	\$194.74	\$267.23	\$339.72
900	1503		\$93.23	\$172.31	\$251.39	\$330.46	\$409.54

CHEMICAL USE ASSUMPTIONS FOR 750 LBS COTTON B2RF OR WRF						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
<b>HERBICIDES</b>						
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
<b>INSECTICIDES</b>						
lambda-cyhalothrin (Karate-Z)	OZ	5.00	\$2.77	\$13.87		2X JUL/AUG
acephate (Orthene)	OZ	16.00	\$0.52	\$8.25		JUN
<b>GROWTH REGULATOR &amp; DEFOLIANTS</b>						
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	1.60	\$5.91	\$9.46		SEP
TOTAL:				\$68.68		

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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