

# CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

## COTTON - B2RF or WRF (Strip-Till)

ESTIMATED COSTS AND RETURNS PER ACRE  
1000 POUND YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
COTTON LINT	LBS	1000.00	\$0.6500	\$650.00	_____
COTTON SEED	LBS	1670.00	\$0.1000	\$167.00	_____
TOTAL RECEIPTS:				<b>\$817.00</b>	<b>\$0.00</b>
<b>2. VARIABLE COSTS</b>					
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	\$65.57	\$65.57	_____
LABOR	HRS	4.50	\$9.50	\$42.75	_____
INTEREST ON OP. CAP.	DOL.	\$244.20	5.0%	\$12.21	_____
TOTAL VARIABLE COSTS:				<b>\$500.60</b>	<b>\$0.00</b>
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$316.40</b>	<b>\$0.00</b>
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$75.18	\$75.18	_____
TOTAL FIXED COSTS:				<b>\$75.18</b>	<b>\$0.00</b>
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$60.00	\$60.00	_____
GENERAL OVERHEAD	DOL.	\$500.60	7.0%	\$35.04	_____
TOTAL OTHER COSTS:				<b>\$95.04</b>	<b>\$0.00</b>
<b>6. TOTAL COSTS:</b>				<b>\$670.82</b>	<b>\$0.00</b>
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>\$146.18</b>	<b>\$0.00</b>

<b>BREAK-EVEN YIELD</b>		<b>BREAK-EVEN PRICE</b>	
VARIABLE COSTS	543 LBS	VARIABLE COSTS	\$0.3336
TOTAL COSTS	786 LBS	TOTAL COSTS	\$0.5038

\* 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
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	SEED	\$0.5200	\$0.5850	\$0.6500	\$0.7150	\$0.7800
		\$0.0800	\$0.0900	\$0.1000	\$0.1100	\$0.1200
800	1336	\$47.34	\$112.70	\$178.06	\$243.42	\$308.78
900	1503	\$100.17	\$173.70	\$247.23	\$320.76	\$394.29
1000	1670	\$153.00	\$234.70	\$316.40	\$398.10	\$479.80
1100	1837	\$205.82	\$295.69	\$385.56	\$475.43	\$565.30
1200	2004	\$258.65	\$356.69	\$454.73	\$552.77	\$650.81

CHEMICAL USE ASSUMPTIONS FOR 750 LBS COTTON - STACKED						
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
<b>HERBICIDES</b>						
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	
<b>INSECTICIDES</b>						
lambda-cyhalothrin (Karate-Z)	OZ	5.00	\$2.77	\$13.87	2X JUL/AUG	
<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	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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