

CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

WHEAT FOR GRAIN - CONSERVATION TILLAGE

ESTIMATED COSTS AND RETURNS PER ACRE
65 BUSHEL YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
WHEAT	BU.	65.00	\$5.00	\$325.00	_____
TOTAL RECEIPTS:				\$325.00	\$0.00
2. VARIABLE COSTS					
SEED (CERTIFIED)	BU.	2.00	\$17.25	\$34.50	_____
FERTILIZER					
NITROGEN	LBS	90.00	\$0.77	\$69.30	_____
PHOSPHATE	LBS	40.00	\$0.49	\$19.60	_____
POTASH	LBS	60.00	\$0.33	\$19.80	_____
LIME (PRORATED)	TON	0.33	\$45.00	\$14.85	_____
HERBICIDES	ACRE	1.00	\$29.54	\$29.54	_____
FUNGICIDES	ACRE	1.00	\$23.30	\$23.30	_____
INSECTICIDES	ACRE	1.00	\$5.27	\$5.27	_____
AERIAL APPLICATION	APPL	1.00	\$10.00	\$10.00	_____
HAULING	BU.	65.00	\$0.70	\$45.50	_____
TRACTOR/MACHINERY	ACRE	1.00	\$34.89	\$34.89	_____
LABOR	HRS	2.43	\$9.50	\$23.09	_____
INTEREST ON OP. CAP.	DOL.	\$164.82	5.0%	\$8.24	_____
TOTAL VARIABLE COSTS:				\$337.88	\$0.00
3. INCOME ABOVE VARIABLE COSTS:				-\$12.88	\$0.00
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$56.22	\$56.22	_____
TOTAL FIXED COSTS:				\$56.22	\$0.00
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$60.00	\$60.00	_____
GENERAL OVERHEAD	DOL.	\$337.88	7.0%	\$23.65	_____
TOTAL OTHER COSTS:				\$83.65	\$0.00
6. TOTAL COSTS:				\$477.75	\$0.00
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$152.75	\$0.00

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	68 BU.	VARIABLE COSTS	\$5.20
TOTAL COSTS	101 BU.	TOTAL COSTS	\$7.35

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

WHEAT FOR GRAIN - CONSERVATION TILLAGE						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 65 BUSHEL WHEAT						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
10	FERTILIZER SPREADER	1.00	0.13	0.12	\$1.62	\$4.03
11	BROADCAST DEEP TILLAGE	1.00	0.26	0.24	\$7.54	\$7.87
11	NO-TILL DRILL 16'	1.00	0.15	0.14	\$3.93	\$5.75
10,12,&1&2	HIBOY	4.00	0.26	0.24	\$7.60	\$13.20
6	COMBINE LARGE W/ HEADER	1.00	0.28	0.25	\$14.20	\$25.37
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.08	0.99	\$34.89	\$56.22
UNALLOCATED LABOR(HRS./AC.)			1.35			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD	PRICE (\$/bu.)					
BU.	\$4.50	\$4.75	\$5.00	\$5.25	\$5.50	
59	-\$68.18	-\$53.43	-\$38.68	-\$23.93	-\$9.18	
62	-\$56.78	-\$41.28	-\$25.78	-\$10.28	\$5.22	
65	-\$45.38	-\$29.13	-\$12.88	\$3.37	\$19.62	
68	-\$33.98	-\$16.98	\$0.02	\$17.02	\$34.02	
72	-\$18.78	-\$0.78	\$17.22	\$35.22	\$53.22	

CHEMICAL USE ASSUMPTIONS FOR 65 BUSHEL WHEAT					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
thifensulfuron+tribenuron (Harmony GT 75L	OZ	0.50	\$13.50	\$6.75	JAN
glyphosate (Roundup ultra)	QT	1.00	\$5.69	\$5.69	OCT
mesosulfuron-methyl (Osprey)	OZ	4.75	\$3.60	\$17.10	DEC
FUNGICIDES:					
pyraclostrobin (Headline)	OZ	6.00	\$3.88	\$23.30	APR
INSECTICIDES:					
lambda-cyhalothrin (Karate-Z)	OZ	1.90	\$2.77	\$5.27	APR
TOTAL:				\$58.11	

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. For small grain pesticide recommendations visit virtual.clemson.edu/groups/smallgrains/. Production assumptions by David H Gunter, Extension Specialist, 843-662-3526, dgunter@clemson.edu

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