

# CLEMSON

## EXTENSION

Department of Applied Economics and Statistics

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### WHEAT FOR GRAIN - CONSERVATION TILLAGE

ESTIMATED COSTS AND RETURNS PER ACRE, 2010/2011  
65 BUSHEL YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
WHEAT	BU.	65.00	\$6.00	\$390.00	_____
TOTAL RECEIPTS:				<b>\$390.00</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED (CERTIFIED)	BU.	2.00	\$13.75	\$27.50	_____
FERTILIZER					
NITROGEN	LBS	90.00	\$0.71	\$63.90	_____
PHOSPHATE	LBS	40.00	\$0.61	\$24.40	_____
POTASH	LBS	60.00	\$0.55	\$33.00	_____
LIME (PRORATED)	TON	0.33	\$51.50	\$17.00	_____
HERBICIDES	ACRE	1.00	\$32.96	\$32.96	_____
FUNGICIDES	ACRE	1.00	\$16.07	\$16.07	_____
INSECTICIDES	ACRE	1.00	\$4.97	\$4.97	_____
AERIAL APPLICATION	APPL	1.00	\$6.50	\$6.50	_____
HAULING	BU.	65.00	\$0.40	\$26.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$38.00	\$38.00	_____
LABOR	HRS	2.43	\$6.50	\$15.80	_____
INTEREST ON OP. CAP.	DOL.	\$132.15	9.0%	\$11.89	_____
TOTAL VARIABLE COSTS:				<b>\$317.99</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$72.01</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$62.37	\$62.37	_____
TOTAL FIXED COSTS:				<b>\$62.37</b>	_____
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$317.99	9.0%	\$28.62	_____
TOTAL OTHER COSTS:				<b>\$53.62</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$433.98</b>	_____
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>-\$43.98</b>	_____

#### BREAK-EVEN YIELD

VARIABLE COSTS  
TOTAL COSTS

52 BU.  
73 BU.

#### BREAK-EVEN PRICE

VARIABLE COSTS  
TOTAL COSTS

\$4.89  
\$6.68

\* 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	\$1.85	\$4.54
11	BROADCAST DEEP TILLAGE	1.00	0.26	0.24	\$9.17	\$8.86
11	NO-TILL DRILL 16'	1.00	0.15	0.14	\$4.52	\$6.58
10,12,&1&2	HIBOY	4.00	0.26	0.24	\$7.96	\$15.20
6	COMBINE LARGE W/ HEADER	1.00	0.28	0.25	\$14.50	\$27.19
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.08	0.99	\$38.00	\$62.37
UNALLOCATED LABOR(HRS./AC.)			1.35			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$5.40	\$5.70	\$6.00	\$6.30	\$6.60
59	\$3.01	\$20.71	\$38.41	\$56.11	\$73.81
62	\$18.01	\$36.61	\$55.21	\$73.81	\$92.41
65	\$33.01	\$52.51	\$72.01	\$91.51	\$111.01
68	\$48.01	\$68.41	\$88.81	\$109.21	\$129.61
72	\$68.01	\$89.61	\$111.21	\$132.81	\$154.41

CHEMICAL USE ASSUMPTIONS FOR 65 BUSHEL WHEAT					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
thifensulfuron+tribenuron (Harmony GT 75E OZ)		0.50	\$11.44	\$5.72	JAN
glyphosate (Roundup ultra)	QT	1.00	\$13.75	\$13.75	OCT
mesosulfuron-methyl (Osprey)	OZ	4.75	\$2.84	\$13.49	DEC
FUNGICIDES:					
pyraclostrobin (Headline)	OZ	6.00	\$2.68	\$16.07	APR
INSECTICIDES:					
lambda-cyhalothrin (Karate-Z)	OZ	1.90	\$2.62	\$4.97	APR
TOTAL:				\$54.00	

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/](http://virtual.clemson.edu/groups/smallgrains/). Production assumptions by Jay W. Chapin, Extension Specialist, (803) 284-3343, [jchapin@clemson.edu](mailto:jchapin@clemson.edu).

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