

CLEMSON

EXTENSION

Department of Applied Economics and Statistics

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WHEAT FOR GRAIN

ESTIMATED COSTS AND RETURNS PER ACRE, 2009/2010
65 BUSHEL YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
WHEAT	BU.	65.00	\$6.50	\$422.50	_____
TOTAL RECEIPTS:				\$422.50	_____
2. VARIABLE COSTS					
SEED (CERTIFIED)	BU.	2.00	\$17.38	\$34.76	_____
FERTILIZER					
NITROGEN	LBS	90.00	\$0.95	\$85.50	_____
PHOSPHATE	LBS	40.00	\$1.28	\$51.20	_____
POTASH	LBS	60.00	\$0.90	\$54.00	_____
LIME (PRORATED)	TON	0.33	\$51.00	\$16.83	_____
HERBICIDES	ACRE	1.00	\$21.84	\$21.84	_____
FUNGICIDES	ACRE	1.00	\$15.12	\$15.12	_____
INSECTICIDES	ACRE	1.00	\$3.01	\$3.01	_____
AERIAL APPLICATION	APPL	1.00	\$6.50	\$6.50	_____
HAULING	BU.	65.00	\$0.40	\$26.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$38.28	\$38.28	_____
LABOR	HRS	2.57	\$6.50	\$16.71	_____
INTEREST ON OP. CAP.	DOL.	\$163.52	9.0%	\$14.72	_____
TOTAL VARIABLE COSTS:				\$384.47	_____
3. INCOME ABOVE VARIABLE COSTS:				\$38.03	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$59.95	\$59.95	_____
TOTAL FIXED COSTS:				\$59.95	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$384.47	9.0%	\$34.60	_____
TOTAL OTHER COSTS:				\$59.60	_____
6. TOTAL COSTS:				\$504.02	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$81.52	_____

BREAK-EVEN YIELD

VARIABLE COSTS
TOTAL COSTS

59 BU.
78 BU.

BREAK-EVEN PRICE

VARIABLE COSTS
TOTAL COSTS

\$5.91
\$7.75

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

WHEAT FOR GRAIN						
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	HEAVY DISK 16'	1.00	0.13	0.12	\$3.71	\$4.14
11	GRAIN DRILL 16'	1.00	0.14	0.13	\$3.08	\$3.82
12,1&4	HIBOY	3.00	0.20	0.18	\$5.97	\$11.40
6	COMBINE LARGE W/ HEADER	1.00	0.28	0.25	\$14.50	\$27.19
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.14	1.04	\$38.28	\$59.95
UNALLOCATED LABOR(HRS./AC.)			1.43			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$5.85	\$6.18	\$6.50	\$6.83	\$7.15
59	-\$36.92	-\$17.45	\$1.43	\$20.90	\$39.78
62	-\$20.57	-\$0.11	\$19.73	\$40.19	\$60.03
65	-\$4.22	\$17.23	\$38.03	\$59.48	\$80.28
68	\$12.13	\$34.57	\$56.33	\$78.77	\$100.53
72	\$33.93	\$57.69	\$80.73	\$104.49	\$127.53

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	\$12.80	\$6.40	JAN
mesosulfuron-methyl (Osprey)	OZ	4.75	\$3.25	\$15.44	DEC
FUNGICIDES:					
pyraclostrobin (Headline)	OZ	6.00	\$2.52	\$15.12	APR
INSECTICIDES:					
lambda-cyhalothrin (Karate-Z)	OZ	1.90	\$1.58	\$3.01	APR
TOTAL:				\$39.97	

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 Jay W. Chapin, Extension Specialist, (803) 284-3343, jchapin@clemson.edu.

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