

CLEMSON

EXTENSION

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WHEAT FOR GRAIN - CONSERVATION TILLAGE

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	\$29.49	\$29.49	_____
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	\$38.00	\$38.00	_____
LABOR	HRS	2.43	\$6.50	\$15.80	_____
INTEREST ON OP. CAP.	DOL.	\$167.21	9.0%	\$15.05	_____
TOTAL VARIABLE COSTS:				\$391.26	_____
3. INCOME ABOVE VARIABLE COSTS:				\$31.24	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$62.37	\$62.37	_____
TOTAL FIXED COSTS:				\$62.37	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$391.26	9.0%	\$35.21	_____
TOTAL OTHER COSTS:				\$60.21	_____
6. TOTAL COSTS:				\$513.84	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$91.34	_____

BREAK-EVEN YIELD

			<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	60	BU.	VARIABLE COSTS	\$6.02
TOTAL COSTS	80	BU.	TOTAL COSTS	\$7.91

* 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.	\$5.85	\$6.18	\$6.50	\$6.83	\$7.15	
59	-\$43.71	-\$24.24	-\$5.36	\$14.11	\$32.99	
62	-\$27.36	-\$6.90	\$12.94	\$33.40	\$53.24	
65	-\$11.01	\$10.44	\$31.24	\$52.69	\$73.49	
68	\$5.34	\$27.78	\$49.54	\$71.98	\$93.74	
72	\$27.14	\$50.90	\$73.94	\$97.70	\$120.74	

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
glyphosate (Roundup ultra)	QT	1.00	\$7.65	\$7.65		OCT
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:				\$47.62		

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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