

# CLEMSON

## EXTENSION

Department of Applied Economics and Statistics

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### BARLEY FOR GRAIN

ESTIMATED COSTS AND RETURNS PER ACRE, 2009/2010  
80 BUSHEL ACTUAL YIELD.

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
BARLEY	BU.	80.00	\$4.60	\$368.00	_____
TOTAL RECEIPTS:				<b>\$368.00</b>	_____
<b>2. VARIABLE COSTS</b>					
SEED (CERTIFIED)	BU.	2.00	\$11.25	\$22.50	_____
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	\$6.40	\$6.40	_____
INSECTICIDES	ACRE	1.00	\$3.01	\$3.01	_____
FUNGICIDES	ACRE	1.00	\$15.12	\$15.12	_____
HAULING	BU.	80.00	\$0.30	\$24.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$38.28	\$38.28	_____
LABOR	HRS	2.57	\$6.50	\$16.71	_____
INTEREST ON OP. CAP.	DOL.	\$137.36	9.0%	\$12.36	_____
TOTAL VARIABLE COSTS:				<b>\$345.91</b>	_____
<b>3. INCOME ABOVE VARIABLE COSTS:</b>				<b>\$22.09</b>	_____
<b>4. FIXED COSTS</b>					
TRACTOR/MACHINERY	ACRE	1.00	\$59.95	\$59.95	_____
TOTAL FIXED COSTS:				<b>\$59.95</b>	_____
<b>5. OTHER COSTS</b>					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$345.91	9.0%	\$31.13	_____
TOTAL OTHER COSTS:				<b>\$56.13</b>	_____
<b>6. TOTAL COSTS:</b>				<b>\$461.99</b>	_____
<b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>				<b>-\$93.99</b>	_____

#### BREAK-EVEN YIELD

VARIABLE COSTS  
TOTAL COSTS

75 BU.  
102 BU.

#### BREAK-EVEN PRICE

VARIABLE COSTS  
TOTAL COSTS

\$4.32  
\$5.77

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

BARLEY FOR GRAIN						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 52 BUSHEL BARLEY						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
11	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
10	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						
FARM YIELD	FARM PRICE (\$/bu.)					
BU.	\$4.14	\$4.37	\$4.60	\$4.83	\$5.06	
72	-\$45.43	-\$28.87	-\$12.31	\$4.25	\$20.81	
76	-\$30.07	-\$12.59	\$4.89	\$22.37	\$39.85	
80	-\$14.71	\$3.69	\$22.09	\$40.49	\$58.89	
84	\$0.65	\$19.97	\$39.29	\$58.61	\$77.93	
88	\$16.01	\$36.25	\$56.49	\$76.73	\$96.97	

CHEMICAL USE ASSUMPTIONS FOR 52 BUSHEL BARLEY					
	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
HERBICIDES:					
thifensulfuron+tribenuron (Harmony GT 75DF OZ)		0.50	\$12.80	\$6.40	JAN
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:				\$24.53	

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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SAME AS OATS