

CLEMSON

EXTENSION

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SMALL GRAIN FOR HAY

ESTIMATED COSTS AND RETURNS PER ACRE, 2008/2009
2 TON YIELD

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SMALL GRAIN	TON	2.00	\$120.00	\$240.00	_____
TOTAL RECEIPTS:				\$240.00	_____
2. VARIABLE COSTS					
SEED (OATS)	BU.	3.00	\$8.00	\$24.00	_____
FERTILIZER					
NITROGEN	LBS	40.00	\$0.59	\$23.60	_____
PHOSPHATE	LBS	60.00	\$0.52	\$31.20	_____
POTASH	LBS	60.00	\$0.26	\$15.60	_____
LIQ. NITROGEN (SPREAD)	LBS	80.00	\$0.49	\$39.20	_____
LIME (PRORATED)	TON	0.33	\$52.50	\$17.33	_____
CUSTOM SPREAD	ACRE	1.00	\$8.00	\$8.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$8.50	\$8.50	_____
LABOR	HRS	1.10	\$6.50	\$7.15	_____
INTEREST ON OP. CAP.	DOL.	\$83.72	9.0%	\$7.53	_____
TOTAL VARIABLE COSTS:				\$182.11	_____
3. INCOME ABOVE VARIABLE COSTS:				\$57.89	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$9.04	\$9.04	_____
TOTAL FIXED COSTS:				\$9.04	_____
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$25.00	\$25.00	_____
GENERAL OVERHEAD	DOL.	\$182.11	9.0%	\$16.39	_____
TOTAL OTHER COSTS:				\$41.39	_____
6. TOTAL COSTS:				\$232.54	_____
7. NET RETURNS TO RISK AND MANAGEMENT:				\$7.46	_____

BREAK-EVEN YIELD

VARIABLE COSTS	1.52	TON
TOTAL COSTS	1.94	TON

BREAK-EVEN PRICE

VARIABLE COSTS	\$91.06
TOTAL COSTS	\$116.27

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

** LIME, PHOSPHATE AND POTASH RATES SHOULD BE BASED ON A SOIL TEST.

SMALL GRAIN FOR HAY						
PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR SMALL GRAIN HAY						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
9	HEAVY DISK 14'	1.00	0.17	0.15	\$3.98	\$4.14
9	GRAIN DRILL 8'	1.00	0.32	0.29	\$4.52	\$4.90
PER ACRE TOTALS FOR SELECTED OPERATIONS			0.49	0.44	\$8.50	\$9.04
UNALLOCATED LABOR(HRS./AC.)			0.61			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/ton.)				
TON	\$108.00	\$114.00	\$120.00	\$126.00	\$132.00
1.80	\$12.29	\$23.09	\$33.89	\$44.69	\$55.49
1.90	\$23.09	\$34.49	\$45.89	\$57.29	\$68.69
2.00	\$33.89	\$45.89	\$57.89	\$69.89	\$81.89
2.10	\$44.69	\$57.29	\$69.89	\$82.49	\$95.09
2.20	\$55.49	\$68.69	\$81.89	\$95.09	\$108.29

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