

CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

FESCUE FOR HAY

ESTIMATED MAINTENANCE COSTS AND RETURNS PER ACRE
3 TON YIELD FROM 2 CUTTINGS (SMALL SQUARE BALES)

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
TALL FESCUE (HAY)	TON	3.00	\$120.00	\$360.00	_____
TOTAL RECEIPTS:				\$360.00	\$0.00
2. VARIABLE COSTS					
FERTILIZER					
NITROGEN	LBS	60.00	\$0.77	\$46.20	_____
PHOSPHATE	LBS	50.00	\$0.49	\$24.50	_____
POTASH	LBS	80.00	\$0.33	\$26.40	_____
LIQ. NITROGEN (SPREAD)	LBS	60.00	\$0.40	\$24.00	_____
LIME (SPREAD)	TON	0.50	\$45.00	\$22.50	_____
CUSTOM SPREAD	ACRE	1.00	\$10.00	\$10.00	_____
TWINE	BALE	120.00	\$0.15	\$18.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$37.06	\$37.06	_____
LABOR	HRS	7.72	\$9.50	\$73.34	_____
INTEREST ON OP. CAP.	DOL.	\$141.00	5.0%	\$7.05	_____
TOTAL VARIABLE COSTS:				\$289.05	\$0.00
3. INCOME ABOVE VARIABLE COSTS:				\$70.95	\$0.00
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$59.24	\$59.24	_____
PRORATED ESTABLISHMENT COST	ACRE	1.00	\$27.55	\$27.55	_____
TOTAL FIXED COSTS:				\$86.79	\$0.00
5. OTHER COSTS					
LAND RENT	ACRE	1.00	\$40.00	\$40.00	_____
GENERAL OVERHEAD	DOL.	\$289.05	7.0%	\$20.23	_____
TOTAL OTHER COSTS:				\$60.23	\$0.00
6. TOTAL COSTS:				\$436.07	\$0.00
7. NET RETURNS TO RISK AND MANAGEMENT:				-\$76.07	\$0.00

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	2.38 TON	VARIABLE COSTS	\$96.35
TOTAL COSTS	3.67 TON	TOTAL COSTS	\$145.36

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

** ESTABLISHMENT COST AMORTIZED OVER 10 YEARS.

*** A HERBICIDE MAY BE REQUIRED ON OCCASION.

FESCUE FOR HAY

PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR FESCUE HAY

MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
5&9	MOWER-CONDITIONER	2.00	0.79	0.72	\$9.94	\$18.68
5&9	WINDROWER	2.00	0.37	0.34	\$2.66	\$3.20
5&9	TEDDER	2.00	0.55	0.50	\$4.00	\$6.46
5&9	PTO BALER	2.00	0.84	0.76	\$14.16	\$23.28
5&9	BALE WAGON	2.00	0.37	0.34	\$2.96	\$3.16
5&9	TRUCK 1.5 TON	2.00	0.51	0.46	\$3.34	\$4.46
PER ACRE TOTALS FOR SELECTED OPERATIONS			3.43	3.12	\$37.06	\$59.24
UNALLOCATED LABOR(HRS./AC.)			4.29			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/ton.)				
TON	\$108.00	\$114.00	\$120.00	\$126.00	\$132.00
2.00	-\$67.05	-\$55.05	-\$43.05	-\$31.05	-\$19.05
2.50	-\$16.05	-\$1.05	\$13.95	\$28.95	\$43.95
3.00	\$34.95	\$52.95	\$70.95	\$88.95	\$106.95
3.50	\$85.95	\$106.95	\$127.95	\$148.95	\$169.95
4.00	\$136.95	\$160.95	\$184.95	\$208.95	\$232.95

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