



FESCUE ESTABLISHMENT (NOVEL ENDOPHYTE)

NOTE: Changes can be made ONLY in the HIGHLIGHTED cells.

ALABAMA, 2017-2018

FESCUE ESTABLISHMENT (NOVEL ENDOPHYTE)*
 ESTIMATED ANNUAL COSTS PER ACRE
 FOLLOWING RECOMMENDED MANAGEMENT PRACTICES

ITEM	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. VARIABLE COSTS					
SOIL TEST	ACRE	1.00	1.00	1.00	_____
SEED	LBS.	20.00	1.79	35.80	_____
FERTILIZER					_____
NITROGEN	LBS.	80.00	0.45	36.00	_____
PHOSPHATE	LBS.	50.00	0.40	20.00	_____
POTASH	LBS.	50.00	0.30	15.00	_____
LIME	TONS	1.00	35.00	35.00	_____
HERBICIDE*	ACRE	2.00	6.00	12.00	_____
LABOR(WAGES & FRINGE)	HOUR	6.19	12.50	77.34	_____
LAND RENT	ACRE	1.00	22.00	22.00	_____
TRACTORS & EQUIPMENT	ACRE	1.00	15.86	15.86	_____
INTEREST ON OP. CAP.	DOL.	135.00	0.0550	7.43	_____
TOTAL VARIABLE COST				277.43	0.00
2. FIXED COSTS					
TRACTOR & EQUIPMENT	ACRE	1.00	13.05	13.05	_____
GENERAL OVERHEAD	DOL.	277.43	0.07	19.42	_____
TOTAL FIXED COSTS				32.47	
3. TOTAL COSTS OF ALL SPECIFIED EXPENSES				309.90	

FERTILIZER RATES USED (80-50-50) BASED ON MEDIUM LEVEL OF SOIL FERTILITY.
 SOIL TESTING IS RECOMMENDED ON INDIVIDUAL FIELDS: ONE SOIL TEST SAMPLE INVOLVES PULLING APPROXIMATELY 20 CORES OVER 10 ACRES. COST IS ABOUT \$10 PER SAMPLE.
 FERTILIZER AND LIME COSTS REFLECT CUSTOM SPREADING.

*NOTE: The conversion of an existing "toxic endophyte" tall fescue pasture to a "novel endophyte" (non-toxic, friendly) tall fescue pasture will require 2 broadcast applications of a non-selective herbicide to kill the existing fescue and other plants present and/or the addition of a summer annual cover crop to "smother" the existing stand (either "spray-spray-plant" or "spray-smother-spray-plant techniques are both acceptable methods to eliminate existing stands). The production of seed by toxic endophyte plants should be prevented during the prior to planting seed in the autumn. The dry matter yield of any newly established tall fescue stand will be significantly less during the establishment year.

THESE ESTIMATES SHOULD BE USED AS GUIDES FOR PLANNING PURPOSES ONLY.

FESCUE ESTABLISHMENT

ALABAMA, 2017-2018

PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR TYPICAL OPERATIONS

OPERATION *	MONTH	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
----- per trip -----						
BROADCAST SPRAYER 27'		2.00	0.07	0.06	1.49	0.95
CHISEL PLOW RIGID 15'		1.00	0.14	0.12	3.02	2.22
DISK HARROW 14'		1.00	0.15	0.14	3.87	3.73
GRAIND DRILL 12'		1.00	0.17	0.16	4.47	4.27
ROTARY MOWER 12'		2.00	1.08	0.98	3.01	1.88
			0.00			
PER ACRE TOTALS FOR SELECTED OPERATIONS			2.75	2.50	15.86	13.05
UNALLOCATED LABOR (HRS./AC.)			3.44			

REFERENCE CONTACTS: KEN KELLEY - REGIONAL EXTENSION AGENT
 MAX RUNGE - EXTENSION ECONOMIST
 KIM MULLINEX - EXTENSION BEEF SPECIALIST
 LEANNE DILLARD, EXTENSION FORAGE SPECIALIST

Published by the Alabama Cooperative Extension System, Auburn University, Alabama A&M University, in cooperation with the U.S. Department of Agriculture. The Alabama Cooperative Extension System offers educational programs, materials, and equal opportunity employment to all people without regard to race, color, national origin, religion, sex, age, veteran status, or disability.