

Grass/Legume Pasture Response to Pelletized Lime Trial 2005

Table 5.

Grass/Legume Pasture Response to Pelletized Lime

Treatment		2005 Yield	Value of Hay \$60/ton	Crude Protein	ADF	TDN
400 lbs <i>Pellet Lime</i> 100 lbs MAP 100 lbs Potash	1	9.26 tons	\$555.00	22	30	61
200 lbs <i>Pellet Lime</i> 100 lbs MAP 100 lbs Potash	2	8.2	\$492.00	21	30	59
400lbs <i>Pellet Lime</i>	3	8.43	\$505.00	22	28	61
200 lbs <i>Pellet Lime</i>	4	7.63	\$457.00	22	29	59
<u>P/K Control</u> 100 lbs MAP 100 lbs Potash	5	6.02	\$361.00	20	30	58
LSD (P=.05) C.V.		.498 tons 4.09%	Additional Test Notes: Ave. soil pH = 6.4; Total of 5 Cuttings; P/K soil test levels "Medium"; previously non-cultivated test area; Stand established in 2004.			

Comments

Results with our first year's data indicate considerable yield gains between the Pellet Lime treatments #1-4 as compared to the P/K control plot #5. Yield gains up to 3.24 tons/acre were observed between treatment #1 and treatment #5 or up to a 35% increase in grass/forage yield. The comparison of 200 pounds of Pellet Lime to 400 pounds showed an average of 10% increase in yield or approximately 1 ton/acre in favor of the 400 pound rate.