

Grass/Legume Pasture Trial - 2006

PELLETIZED LIMESTONE TECHNOLOGY

Table 5 - Grass/Legume Pasture Response to Pelletized Lime

Treatment		2006 Yield	Value of Hay \$60/ton	Crude Protein 3rd Cutting	ADF 3rd Cutting	TDN 3rd Cutting
1	Standardized Fertilizer Program w/Pellet Lime 400 lbs <i>Pellet Lime</i> 100 lbs MAP 100 lbs Potash	9.7 tons	\$582.00	15.3%	32%	61.5%
2	Standardized Fertilizer Program w/Pellet Lime 200 lbs <i>Pellet Lime</i> 100 lbs MAP 100 lbs Potash	8.7	\$522.00	14	30	62.4
3	Pellet Lime Only 400 lbs <i>Pellet Lime</i>	8.2	\$492.00	14.4	28	62
4	Pellet Lime Only 200 lbs <i>Pellet Lime</i>	8.4	\$504.00	13.2	25.3	55
5	P/K Control 100 lbs MAP 100 lbs Potash	6.7	\$402.00	9.8	43	44
LSD (P=.05) C.V.		.731 tons 5.69%	Add'l Test Notes: Ave. soil pH = 6.3; Total of 5 Cuttings; P/K soil test levels "High"; Stand established in 2004; Red Clover 30%, Timothy, Smooth Bromegrass; 4 reps.			

Comments

The second year's data of this study indicate considerable yield gains are continuing between the Pellet Lime treatments #1-4 as compared to the P/K control treatment #5. Yield gains up to 3 tons/acre were observed between treatment #1 and treatment

#5 or over 30% increase in grass/forage yield. The comparison of 400 pounds of Pellet Lime with P/K fertilizer to 200 pounds with P/K fertilizer showed an average of 10% increase in yield or approximately 1 ton/acre more with the 400 pound rate.