Soybean Response to Pelletized Lime Trial 2005

Table 1.

Soybean Response to Pelletized Lime

Treatment			2005 Yield	Significant Difference	Yield Gain Over Control	Economic Return Over Control*	7-Year Yield Gain Over Control
Soybean Fertilizer Program	**300 lbs *Pellet Lime* 100 lbs Potash**	**1**	**50.75 bu**	***YES***	**19.08 bu**	**$75.24/acre**	**13.26 bu**
Standardized Fertilizer Program	100 lbs MAP 100 lbs Potash	2	41.57 bu	–	9.9 bu	$21.75/acre	6.9 bu
Pellet Lime Only	**300 lbs *Pellet Lime***	3	47.85 bu	***YES***	16.18 bu	$70.49/acre	8.4 bu
Potash Only	100 lbs Potash	4	42.30 bu	–	10.63 bu	$43.76/acre	4.26 bu
Non-Treated Control	No Treatment	5	31.67 bu	–	–	–	–
LSD (P=.05) C.V.			3.703 bu 5.61%	**Additional Test Notes**: Ave. soil pH pre-bloom = 6.12; P levels "Medium; K levels "High"			

The Pellet Lime treated plots in 2005 were significantly better (Trmts 1 & 3)…by up to 19 bushels/acre over the control. In our seventh year of this study Pellet Lime and Potash still out yielded all other treatments with an averaged 13 bushels/acre gain over the non-treated control.

A proven fertility program using Pellet Lime and Potash raises soybean yields and profits!

LSD (.05) – Least Significant Difference at the 5% level of significance. In other words, there is less than a 5% chance the observed differences among the treatments could be due to chance.

C.V. – Coefficient of Variation; indicated the degree of precision with which treatments are compared and is a good index of reliability of the experiment. The higher the cv, the lower the reliability of the experiment. 6-10% is very good for fertility treatment trials. This trial was even better!