

Percent Base Saturation

❖ Percent of CEC

composed of the base elements or cations such as Ca, Mg, K, and Na.

❖ Availability of these nutrients to plants increases with their percent saturation, except for Mg.

PLOT ID: D8D2E

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Client: MILES FARM SUPPLY / JASON WADE City: LEBANON, KY Date: 9-Sep-04

Location		HOME		Previous Analyses & Applications				
Crop	FESCUE / WHEAT							
Field / Sample	H-1 / 1							
Lab No.	C0069							
Total Exchange Capacity (M.E.)	11.43							
Desired Ca : Mg Ratio	68 : 12							
pH of Soil Sample	5.8							
	3.6							
BASE SATURATION PERCENT								
Calcium (60 to 70%)	54.44							
Magnesium (10 to 20%)	15.27							
Potassium (2 to 5%)	2.38							
Sodium (.5 to 3%)	1.12							
Other Bases (Variable)	5.79							
EXCHANGEABLE HYDROGEN (10 to 15%)	21.00							
		RECOMMENDATIONS						
		Amendment	Lbs/Acre					
NITROGEN	ENR Value	86	AM SUL 21-0-0-24 (a)	250				
			AM NITRO					
SULFATE - S	Value Found							
PHOSPHATES								
CALCIUM								
MAGNESIUM								
POTASSIUM								
SODIUM	Desired							
Boron	p.p.m.	0.66						
Iron	p.p.m.	273						
Manganese	p.p.m.	109						
Copper	p.p.m.	2.70						
Zinc	p.p.m.	3.30	ZINC SULFATE 36%	15				

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Sodium (.5 to 3%)		1.12
Other Bases (Variable)		5.79
EXCHANGEABLE HYDROGEN (10 to 15%)		21.00