

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

Kinsey Agricultural Services, Inc.
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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				
	p.p.m.				
PHOSPHATES					
	p.p.m.				
	Lbs/Acre				
CATIONS					
CALCIUM					
	Lbs/Acre				
MAGNESIUM					
	Lbs/Acre				
POTASSIUM					
	Lbs/Acre				
SODIUM	Desired				
	Lbs/Acre				
	Value Found				
	Deficit/Surplus				
TRACES					
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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Other Bases (Variable)		5.79
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