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Sample Id : 8 15

SATURATION EXTRACT - PLANT SUITABILITY

Test	Result	Effect on Plant Growth				
		Negligible	Sensitive Crops Restricted	Many Crops Restricted	Only Tolerant Crops Satisfactory	Few Crops Survive
Calcium - sat. ext.	4.2 meq/L					
Magnesium - sat. ext.	2.4 meq/L					
Sodium (Na)	9.6 meq/L	█				
Sodium Adsorption Ratio (SAR) *	5.32	█				
Potassium - sat. ext.	0.4 meq/L					
Chloride (Cl)	2.8 meq/L	█				
Sulfate - sat. ext.	6.5 meq/L					
Carbonate (CO3)	0 meq/L					
Bicarbonate (HCO3)	2.7 meq/L					
Salinity (ECe)	1.4 dS/m	█				
Boron (B)	0.23 ppm	█				

* Structure and water infiltration of mineral soils potentially adversely affected at SAR values higher than 6.

Test	Result	Strongly Acidic	Moderately Acidic	Slightly Acidic	Neutral	Slightly Alkaline	Moderately Alkaline	Strongly Alkaline	Fizz Test	
pH	7.7 s.u.	█								High
BF										

EXTRACTABLE NUTRIENTS

Test	Result	SOIL TEST RATINGS					NO3-N
		Very Low	Low	Medium	Optimum	Very High	
Available-N							14 ppm
Phosphorus (P)	24 ppm	█					NH4-N
Potassium (K)	458 ppm	█					
Calcium (Ca)	3430 ppm	█					Calculated Cation Exchange Capacity
Magnesium (Mg)	828 ppm	█					26.6 meq/100g
Sodium (Na)	326 ppm	█					Calculated Cation Saturation
Copper (Cu)	1.7 ppm	█					%H 0.0
Zinc (Zn)	1 ppm	█					%K 4.4
Manganese (Mn)	4 ppm	█					%Ca 64.5
Iron (Fe)	19 ppm	█					%Mg 25.9
Boron (B) - sat. ext.	0.23 ppm	█					%Na 5.3

K, Ca, Mg, Na: Ammonium Acetate.

P - Olsen Bicarbonate.

Cu, Zn, Mn and Fe were analyzed by DTPA extract.

SOIL TEXTURE

Sat%	Organic Matter	Weight Percent of Sample Passing 2mm Screen			Textural Classification
		Sand	Silt	Clay	
55.1	2.2				

Graphical interpretation is a general guide. Optimum levels will vary by crop and objectives.