



Soil & Plant Laboratory, Inc.

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SOIL ANALYSIS

Send To : University of California at Davis One Shields Ave. Davis CA 95616	Project : New Media	Report No : 13-086-0062 Cust No : 01047 Date Printed : 04/04/2013 Date Received : 03/27/2013 Page : 1 of 2 Lab Number : 22487
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Sample Id : **New Media - Pasteurized**

SATURATION EXTRACT - PLANT SUITABILITY

Test	Result	Effect on Plant Growth				
		Negligible	Sensitive Crops Restricted	Many Crops Restricted	Only Tolerant Crops Satisfactory	Few Crops Survive
Salinity (ECe)	1.7 dS/m					
Sodium Adsorption Ratio (SAR) *	2.44					
Boron (B)	0.51 ppm					
Sodium (Na)	4.9 meq/L					
Chloride (Cl)						
Carbonate (CO3)						
Bicarbonate (HCO3)						
Fluoride (F)						

* 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	Qualitative Lime
pH	6.6 s.u.								None

EXTRACTABLE NUTRIENTS

Test	Result	Sufficiency Factor	SOIL TEST RATINGS					NO3-N
			Very Low	Low	Medium	Optimum	Very High	
Available-N	125 ppm	0.9						6 ppm
Phosphorus (P) - Olsen	46 ppm	0.5						NH4-N
Potassium (K)	759 ppm	2.4						119 ppm
Potassium - sat. ext.	4.9 meq/L							
Calcium (Ca)	1041 ppm	0.5						Total Exchangeable Cations(TEC)
Calcium - sat. ext.	3.0 meq/L							
Magnesium (Mg)	578 ppm	2.0						114 meq/kg
Magnesium - sat. ext.	5.0 meq/L							
Copper (Cu)	7.6 ppm	5.1						
Zinc (Zn)	13 ppm	2.2						
Manganese (Mn)	58 ppm	4.6						
Iron (Fe)	57 ppm	1.0						
Boron (B) - sat. ext.	0.51 ppm	1.7						
Sulfate - sat. ext.	5.7 meq/L	1.9						
Exch Aluminum								

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

PARTICLE SIZE ANALYSIS

Half Sat	Organic Matter	Weight Percent of Sample Passing 2mm Screen							USDA Soil Classification
		Gravel		Sand			Silt	Clay	
		Coarse 5-12	Fine 2-5	Very Coarse 1-2	Coarse 0.5-1	Med. to Very Fine 0.05-0.5	.002-.05	0-.002	
71 %									

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