

SOIL AND PLANT TISSUE TESTING LAB  
WEST EXPERIMENT STATION  
UNIVERSITY OF MASSACHUSETTS  
AMHERST, MA 01003

LAB NUMBER: S130516-318  
BAG NUMBER: 0

SOIL WEIGHT: 4.81 g/5cc

SONOMA MOUNTAIN INSTITUTE  
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ANALYSIS REPORT

SAMPLE ID: ORCHD  
SOIL TYPE:

SOIL PH 6.5 ALUMINUM (AL): 13 PPM (Soil Range: 10-300)  
BUFFER PH 6.9 ORGANIC MATTER: 5.3 %. Desirable range 4-8%.

NUTRIENT LEVELS: PPM	LOW	MEDIUM	HIGH	VERY HIGH
PHOSPHORUS (P) 2	XX			
POTASSIUM (K) 173	XX			
CALCIUM (CA) 2921	XX			
MAGNESIUM (MG) 669	XX			

CATION EXCH CAP 22.5 MEQ/100G PERCENT BASE SATURATION  
K= 2.0 MG=24.5 CA=65.1

MICRONUTRIENT	PPM	SOIL RANGE	MICRONUTRIENT	PPM	SOIL RANGE
Boron (B)	0.2	0.1-2.0	Copper (Cu)	0.1	0.3-8.0
Manganese (Mn)	9.0	3 - 20	Iron (Fe)	2.5	1.0- 40
Zinc (Zn)	1.6	0.1- 70	Sulfur (S)	16.2	1.0- 40

EXTRACTED LEAD (PB) 0 PPM. ESTIMATED TOTAL LEAD IS 32 PPM.

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COMMENTS