



Concord CA 94520

Project : Lennox Blend

Report No : **11-244-0054**  
Purchase Order :  
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## COMPREHENSIVE SOIL ANALYSIS

Sample Description - Sample ID	Half Sat %	pH	ECe dS/m	NO <sub>3</sub> -N ppm	NH <sub>4</sub> -N ppm	PO <sub>4</sub> -P ppm	K ppm	Ca ppm	Mg ppm	Cu ppm	Zn ppm	Mn ppm	Fe ppm	Organic % dry wt.	Lab No.
	TEC	Qual Lime		Sufficiency Factors											
Lennox Blend	23	7.3	3.2	3	7	41	538	773	236	2.0	9.4	16	36	3.8	29950
	65	None		0.2	1.5	4.0	0.7	1.6	2.4	2.9	2.3	1.1			

Saturation Extract Values						SAR	Gravel %		Percent of Sample Passing 2 mm Screen				USDA Soil Classification	Lab No.	
Ca meq/L	Mg meq/L	Na meq/L	K meq/L	B ppm	SO <sub>4</sub> meq/L		Coarse 5 - 12	Fine 2 - 5	Sand		Silt .002-.05	Clay 0-.002			
								Very Coarse 1 - 2	Coarse 0.5 - 1	Med. to Very Fine 0.05 - 0.5					
5.5	5.9	9.6	12.5	0.56	6.9	4.0	8.0	10.2	25.0	33.2	32.1	5.3	4.4	Gravelly Sand	29950

Sufficiency factor (1.0=sufficient for average crop) below each nutrient value. N factor based on 200 ppm constant feed. SAR = Sodium adsorption ratio. Half Saturation %=approx field moisture capacity. Nitrogen(N), Potassium(K), Calcium(Ca) and Magnesium(Mg) by sodium chloride extraction. Phosphorus(P) by sodium bicarbonate extraction. Copper(Cu), Zinc(Zn), Manganese(Mn) & Iron(Fe) by DTPA extraction. Sat. ext. method for salinity (ECe as dS/m), Boron (B), Sulfate(SO<sub>4</sub>), Sodium(Na). Gravel fraction expressed as percent by weight of oven-dried sample passing a 12mm(1/2 inch) sieve. Particle sizes in millimeters. Organic percentage determined by Walkley-Black or Loss on Ignition.

\* LOW, SUFFICIENT, HIGH