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Project : Screened Soil

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Purchase Order :

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COMPREHENSIVE SOIL ANALYSIS

Sample Description - Sample ID		Half Sat %	pH	ECe dS/m	NO ₃ -N ppm	NH ₄ -N ppm	PO ₄ -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											
Screened Soil		18	7.8	1.1	25	5	4	41	1500	464	0.8	1.4	2	10	1.20	43252
		115	Medium		0.8	0.2	0.3	0.8	1.8	0.5	0.2	0.2	0.2	0.2		
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 ₄ meq/L		Coarse 5 - 12	Fine 2 - 5	Very Coarse 1 - 2	Coarse 0.5 - 1	Med. to Very Fine 0.05 - 0.5	Sand .002-.05	Silt .002-.05	Clay 0-.002		
4.0	3.9	5.6	0	0.25	5.3	2.8	7.2	25.6	14.8	14.4	35.6	12.2	22.8	Gravelly Sandy Clay Loam	43252	

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(SO₄), 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