



Liz Kenyon

10527 W 69th Place
 Arvada, CO 80004

Lab ID: 2023S1370
 Sample ID: SW Field

Date Received: 5/4/2023
 Date Reported: 5/15/2023

Soil Analysis	Units	Results	Test Rating*						
			Strongly Acid	Moderately Acid	Slightly Acid	Neutral	Slightly Alkaline	Moderately Alkaline	Strongly Alkaline
1:1 Soil pH		7.9	<5.4	5.4-5.7	5.8-6.4	6.5-7.2	7.3-7.6	7.7-7.9	>7.9
1:1 Soluble Salts (EC)	mmho/cm	1.2	<0.2	0.2-0.7	0.8-1.2	1.3-2.5	2.6-5.0	>5.0	
Excess Lime		HIGH							
Organic Matter LOI	%	5	<0.5	0.5-1.5	1.6-3.0	3.1-5.0	>5.0		
KCl Nitrate-N	ppm	0-6" 9	<5	5-10	11-25	26-50	>50	lb/1000 sq.ft. 0.4	Recommendation lb/1000 sq.ft. 2.6
Olsen Bicarbonate Phosphorus (P)	ppm	0-6" 10	<0.3	0.4-0.6	0.7-1.0	1.1-1.5	1.6-2.0	>2.0	Recommendation lb/1000 sq.ft. 1 P205
Ammonium Acetate									
Potassium (K)	ppm	0-6" 290	<60	60-120	121-160	161-220	221-280	>280	Recommendation lb/1000 sq.ft. 0
Calcium (Ca)	ppm	5152	<100	100-200	201-300	301-2500	>2500	>5000	Recommendation lb/1000 sq.ft. 0
Magnesium (Mg)	ppm	759	<25	25-50	51-75	76-100	101-200	>200	Recommendation lb/1000 sq.ft. 0
Sodium (Na)	ppm	227							
Cation Exchange Capacity (CEC) or Sum of Cations	meq/100g	34	Sand 3-5	Loam 10-15	Silt Loams 15-25	Clay & Clay Loam 20-50	Organic Soils 50-100		
Base Saturation	%	100.0	H 3.0	K 2.0	Ca 76.0	Mg 19.0	Na 3.0		



Liz Kenyon

10527 W 69th Place
 Arvada, CO 80004

Lab ID: 2023S1370
 Sample ID: SW Field

Date Received: 5/4/2023
 Date Reported: 5/15/2023

Soil Analysis	Units	Results	Test Rating*						
Mehlich-3									
Sulfate-S	ppm	0-6"	Very Low	Low	Medium	Optimum	High	Very High	Recommendation
		266.6	<2	2-5	6-10	11-15	>15	lb/1000 sq.ft.	
								0	
DTPA									
Zinc (Zn)	ppm	0-6"	Very Low	Low	Medium	Optimum	High	Very High	Recommendation
		16.1	<0.3	0.3-0.5	0.6-0.8	0.9-1.2	1.3-2.0	>2.0	lb/1000 sq.ft.
								0	
Iron (Fe)	ppm	0-6"	Very Low	Low	Medium	Optimum	High	Very High	Recommendation
		34.4	<1.0	1.0-2.5	2.6-5.0	5.1-15.0	15.1-30	>30	lb/1000 sq.ft.
								0	
Manganese (Mn)	ppm	0-6"	Very Low	Low	Medium	Optimum	High	Very High	Recommendation
		3.3	<0.5	0.5-1.0	1.1-3.0	3.1-6.0	6.1-10.0	>10	lb/1000 sq.ft.
								0	
Copper (Cu)	ppm	0-6"	Very Low	Low	Medium	Optimum	High	Very High	Recommendation
		11.5	<0.1	0.1-0.2	0.3-0.4	0.5-0.8	0.9-1.5	>1.5	lb/1000 sq.ft.
								0	
Hot Water Extraction									
Boron (B)	ppm	0-6"	Very Low	Low	Medium	Optimum	High	Very High	Recommendation
		2.2	<0.2	0.2-0.5	0.6-0.8	0.9-1.5	1.6-2.5	>2.5	lb/1000 sq.ft.
								0	
Calcium Nitrate									
Chloride (Cl)	ppm								
Soil Texture									
% Sand	%								
% Silt	%								
% Clay	%								
Texture by Hydrometer									
Heavy Metals									
Arsenic (As)	ppm								
Cadmium (Cd)	ppm								
Chromium (Cr)	ppm								
Lead (Pb)	ppm								
Molybdenum (Mo)	ppm								
Selenium (Se)	ppm								
Sodium Absorption Ratio									
SAR									

*Test ratings are provided for general crop production. The ranges may be different for individual crops or for specific situations.

Comments:

Soluble salts are moderate. Some trees may not grow well under this condition. Irrigate with good quality water to leach salts from the root zone. Apply 0.8 lb N per 1000 sq. ft. three times during the growing season. All other nutrients are at above or adequate levels for trees growth.