

Testing ID

Sequoia Soil

Date

02/24/23

Sample

Compost

Total Soil Volume

Amendment Recommendations

Incorporate the following globally into soil media

Amendment	App Rate
N/A	lbs/yd
Ag Pellets	lbs/yd
Worm Castings	%/yd
Compost	%/yd
Soil Activation Package	<input type="checkbox"/> 10 gal/yd

Notes

Complex Nutrition

Insoluble nutrients with the potential to become soluble

Element	PPM	Rating	Optimal Range
Calcium (Ca)	3835	Optimal	2000-7000
Iron (Fe)	72	Low	250-400
Magnesium (Mg)	711	Optimal	400-1400
Manganese (Mn)	42	Low	50-125
Phosphorous (P)	175	Low	400-800
Potassium (K)	2738	Optimal	2000-4000
Sodium (Na)	234	Optimal	100-500
Sulfur (S)	370	Low	2000-8000
Zinc (Zn)	26	Low	100-250

Soluble Nutrition

Soluble nutrients readily available to the plant

Ion	Element	PPM	millieq/l
Cations	Ammonium (N)	4	0.3
	Calcium (Ca)	35	1.8
	Magnesium (Mg)	14	1.2
	Potassium (K)	169	4.3
	Sodium (Na)	19	0.8

Cation Total

8.3

Anions	Chloride (Cl)	43	1.2
	Nitrate (N)	1	0.1
	Phosphorus (P)	3	0.1
	Sulfate (S)	84	5.2

Anion Total

6.6

Ca/Mg Ratio	PPM/meq	Rating	Optimal Range
Insoluble PPM	5.4 : 1	Optimal	>5 : 1
Soluble PPM	2.5 : 1	Low	>4 : 1
Soluble millieq/l	1.5 : 1	Low	>2 : 1

ECe

pH

Measure of media salinity

Potential Hydrogen

0.98

7.19

Heavy Metals

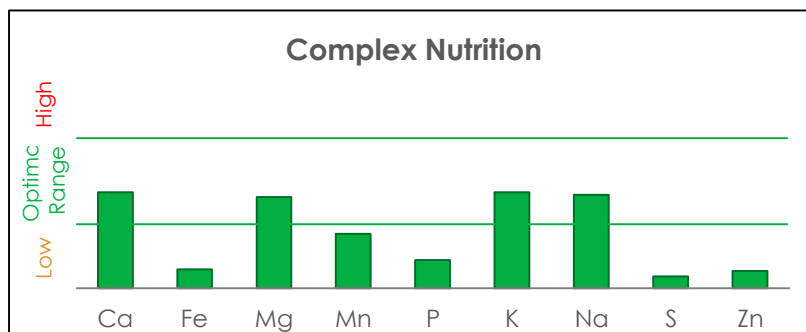
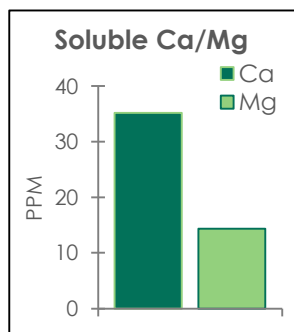
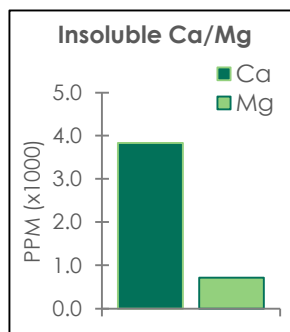
Trace elements that may be toxic

Element	PPM	Rating	Optimal Range
Arsenic	ND	Optimal	<2.5
Cadmium	ND	Optimal	<2.5
Lead	0.87	Optimal	<15
Mercury	ND	Optimal	<2.5

Media Quality

Reflects overall quality of soil media

Organic Matter	good
Moisture Content of Media	153%
Half Saturation Percentage	246%



ND = non-detect