

WALLACE LABS
365 Coral Circle
EI Segundo, CA 90245
(310) 615-0116

MEDIA REPORT

Print Date Feb. 22, 2023

Receive Date 2/21/23

Location Pacific Landscape Supply

Requester Adam Rulifson

graphic interpretation: * very low, ** low, *** moderate

ammonium bicarbonate/DTPA

**** high, ***** very high

extractable - mg/kg soil

Interpretation of data

low medium high
 0 - 12 16 - 28 32 - 44
 0-240 240-500 500-700
 0- 12 12- 20 over 20
 0 - 2 3 - 4 over 5
 0 - 4 4 - 6 over 6
 0- 0.5 0.6 - 1 over 1
 0 - 1 1 - 2 over 2

Sample ID Number

23-53-21

Sample Description

Nitro Redwood Sawdust

elements

graphic

phosphorus

5.77 *

potassium

301.79 ***

iron

0.17 *

manganese

4.06 *****

zinc

1.47 *

copper

0.33 *

boron

1.02 ***

calcium

736.42 ***

magnesium

138.60 **

sodium

181.59 *

sulfur

112.23 **

molybdenum

nd *

nickel

nd *

aluminum

nd *

arsenic

nd *

barium

12.85 **

cadmium

nd *

chromium

nd *

cobalt

nd *

lead

nd *

lithium

0.25 *

mercury

nd *

selenium

0.14 *

silver

nd *

strontium

6.21 *

tin

nd *

vanadium

nd *

The following trace elements may be toxic. The degree of toxicity depends upon the pH of the soil, soil texture, organic matter, and the concentrations of the individual elements as well as to their interactions.

The pH optimum depends upon soil organic matter and soil content-

under 5 may be too acidic

6 to 7 may be good

over 8.0 is too alkaline

The ECe is a measure of the media salinity:

good at 200 ppm

good at 25 ppm

good at 25 ppm

good at 150 ppm

problems over 150 ppm

good at 100 ppm

good at 40 ppm

toxic over 800

toxic over 1 for many plants

increasing problems start at 3

est. gypsum requirement-lbs/cubic yard

Saturation Extract

pH value

8.39 *****

ECe (milli-mho/cm)

0.35 *

millieq/l

calcium

8.9 0.4

magnesium

2.7 0.2

sodium

4.3 0.2

ammonium as N

28.1 2.0

potassium

7.2 0.2

cation sum

3.0

chloride

18 0.5

nitrate as N

0.9 0.1

phosphorus as P

0.7 0.0

sulfate as S

10.5 0.7

anion sum

1.2

boron as B

0.09 *

SAR

0.3 *

2

relative infiltrate rate

good

lime (calcium carbonate)

no

organic matter

good

moisture content of media

130.8%

half saturation percentage

566.2%

Elements are expressed as mg/kg dry soil or mg/l for saturation extract.

pH and ECe are measured in a saturation paste extract. nd means not detected.