

**WALLACE LABS**

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**MEDIA REPORT**

January 22, 2001

Location **Tierra Verde Industries**

Requester **Ronald Allevato**

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

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

**Ammonium bicarbonate/DTPA**

table - 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

ratio of calcium to magnesium  
needs to be more than 2 or 3

should be less than potassium

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.

pH optimum depends

soil organic

matter and soil content-

under 5 may be too acidic

6 to 7 may be good

over 8.5 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

relative infiltrate rate

lime (calcium carbonate)

organic matter

moisture content of media

half saturation percentage

Sample ID Number

elements

phosphorus

potassium

iron

manganese

zinc

copper

boron

calcium

magnesium

sodium

sulfur

molybdenum

aluminum

arsenic

barium

cadmium

chromium

cobalt

lead

lithium

mercury

nickel

selenium

silver

strontium

tin

vanadium

Saturation Extract

pH value

ECe (milli-  
mho/cm)

calcium

magnesium

sodium

ammonium as N

potassium

cation sum

chloride

nitrate as N

phosphorus as P

sulfate as S

anion sum

boron as B

SAR

good

no

good

26.5%

182.3%

01-22-08

Forest Blend

graphic

111.00 \*\*\*\*\*

1,432.88 \*\*\*\*\*

8.76 \*\*

7.83 \*\*\*\*

3.44 \*\*

0.26 \*

0.59 \*\*

744.29 \*\*\*

222.25 \*\*\*

399.35 \*\*

81.61 \*

nd \*

3.84 \*\*

0.09 \*

2.18 \*

nd \*

nd \*

nd \*

nd \*

0.30 \*

nd \*

0.28 \*

0.57 \*

0.12 \*

6.31 \*

0.60 \*

0.06 \*

6.61 \*\*\*

1.86 \*\*\*

millieq/l

18.2 0.9

17.8 1.5

121.0 5.3

4.6 0.3

269.4 6.9

14.9

267 7.5

2.4 0.2

28.1 0.9

37.0 2.3

10.9

0.62 \*\*\*

4.8 \*\*\*

4

good

no

good

26.5%

182.3%

01-22-09

Kelloggs Wood 3/8"

graphic

5.31 \*

203.15 \*\*

9.32 \*\*

7.24 \*\*\*\*

8.58 \*\*\*\*

8.55 \*\*\*\*\*

0.98 \*\*\*

517.41 \*\*

56.43 \*

304.73 \*\*

53.78 \*

nd \*

5.29 \*\*\*

0.53 \*

9.82 \*

nd \*

nd \*

nd \*

nd \*

0.06 \*

nd \*

0.36 \*

0.33 \*

0.07 \*

2.75 \*

0.26 \*

0.08 \*

7.01 \*\*\*

0.46 \*\*

millieq/l

8.0 0.4

5.5 0.5

73.4 3.2

2.9 0.2

44.3 1.1

5.4

45 1.3

1.2 0.1

0.4 0.0

19.8 1.2

2.6

1.36 \*\*\*\*\*

4.9 \*\*\*

3

good

no

good

34.4%

195.0%

01-22-10

Colored wood

graphic

5.02 \*

191.78 \*\*

166.84 \*\*\*\*\*

7.10 \*\*\*\*

2.76 \*\*

0.77 \*\*\*

309.53 \*

48.75 \*

300.55 \*\*

30.25 \*

nd \*

12.80 \*\*\*\*

0.24 \*

2.81 \*

nd \*

nd \*

nd \*

nd \*

0.07 \*

nd \*

0.26 \*

0.15 \*

0.05 \*

2.35 \*

0.42 \*

0.09 \*

7.11 \*\*\*

0.19 \*

millieq/l

2.1 0.1

1.6 0.1

20.3 0.9

0.5 0.0

11.9 0.3

1.5

44 1.2

1.0 0.1

0.0 0.0

5.2 0.3

1.6

0.54 \*\*\*

2.6 \*\*

3

good

no

good

23.8%

164.0%

01-22-11

3" ovens wood

graphic

7.97 \*\*

262.17 \*\*\*

12.99 \*\*\*

4.12 \*\*\*\*

3.02 \*\*

0.38 \*

1,199.00 \*\*\*

82.68 \*\*

472.76 \*\*\*

52.38 \*

nd \*

12.42 \*\*\*\*

0.28 \*

6.21 \*

nd \*

nd \*

nd \*

nd \*

0.11 \*

nd \*

0.19 \*

nd \*

0.08 \*

13.38 \*

0.35 \*

nd \*

6.49 \*\*\*

0.45 \*\*

millieq/l

8.6 0.4

4.5 0.4

59.5 2.6

1.6 0.1

36.6 0.9

4.4

29