

# Soil Analysis Report - Technician Copy

## Precision Tree Experts

PO Box 2444  
Idyllwild, California 92549

Sample ID: 278612  
Date: 02-Nov-16  
A&L: 16-306-1382

Plant Species: Modesto Ash  
Location/ELM ID: front yard  
Fertilization Goal: Promote Growth

### Results

Soil pH	7.8	Acceptable	Ideal pH range for Camphor Tree: 6.0 to 8.0
Nitrogen (ENR)	54.0	* Very Low	Iron (Fe) 262.0 High
Phosphorous (P)	252.0	Very High	Manganese (Mn) 92.0 Medium
Potassium (K)	386.0	High	Copper (Cu) 4.0 Medium
Magnesium (Mg)	438.0	High	Zinc (Zn) 34.6 Very High
Calcium (Ca)	3524.0	* Medium	Boron (B) 2.2 High
Sodium (Na)	750.0	High	

Soil Organic Matter (OM) 1.6 \* Very Low      Nutrient Retention Capacity 12.8 Very High

### Recommendations

Fertilization Area: 500 sq.ft or 47 sq. m. - Mix in 30 gallons or 113 liters of water    Soil inject 2 Quarts per site

Prescription Fertilization	cc/ml	cups	quarts	gallons	grams	pounds
Nitrogen Nitro 30	4.0 L	16.8	4.2	1.1		
Nitrogen Nitroform	5.9 L	24.8	6.2	1.6	3.6 Kg	8.0
Phosphorus Liquid Phosphorus						
Potassium Potassium Sulfate						
Gypsum pelletized	13.9 L			3.7	18.0 Kg	37.5
Lime pelletized						
Lime powdered						
Sulfur pelletized						
Sulfur powdered						
Magnesium Sulfate Epsom salt						
Iron chelate gallons						
Iron chelate pounds						
Manganese chelate gallons						
Manganese chelate pounds						

#### Conventional Fertilization

Boost Natural	189.5 L			50.0		
Boost	94.7 L			25.0		
Boost Granular	6.2 L	26.3	6.6	1.6	5.7 Kg	12.5
Boost Natural Granular	26.6 L			7.0	18.0 Kg	37.5

#### Comments:

Mulch and/or incorporate organic matter/biochar.  
Near toxic level of sodium.

\* indicates a deficiency

\*\* indicates a potential toxicity