

# DAVEY ARBOR GREEN® *PRO*

## Product Characteristics

- Indefinite shelf life – doesn't separate during handling or storage
- Carries a non-hazardous label, not subject to combustion
- Non-corrosive – won't pit metals or application equipment
- Has smaller bulk than low analysis materials
- Fortified with polyamino acid to reduce application rate and improve plant performance

## Benefits to Davey Arbor Green *PRO* Users

- Davey Arbor Green *PRO* nitrogen source contains 66% WIN, providing fairly uniform and predictable release over a two-year period (60% year one; 40% year two).
- The low salt index of less than 10, which is three to five times lower than other commercially available fertilizers for soil injection; allows for higher application rates at one time.
- The high safety factor allows use on sensitive recently planted, drought-stressed, or other declining trees.
- Davey Arbor Green *PRO* is easily injectable with conventional spray equipment.
- Davey Arbor Green *PRO* is a suspendable formulation. Paddle or advanced jet agitation with Venturi nozzles are needed for adequate suspension.
- At 150 to 200 PSI, Davey Arbor Green *PRO* is distributed throughout the root area, providing optimal root contact and absorption.
- The low solubility of the phosphorus and potassium results in a slower and more controlled release characteristic than any other traditional source of phosphorus and potassium.
- The predictable release pattern over time results in more efficient use by the plant with more uniform growth rate.
- Nitrogen is released by microorganisms, the same which break down other organic matter. Thus, more efficient usage during the growing season and not subject to winter leaching.
- Davey Arbor Green *PRO* provides lower cost per unit of nitrogen applied than other controlled-release, commercially available fertilizer for woody plants.
- Reduced application rate improves profitability as well as plant performance and environmental stewardship.

## Product Usage

- Davey Arbor Green *PRO* can be applied at either a two-year or one-year rate. A 30 pound bag treats 2000 sq. ft. root zone at the two-year rate and 4000 sq. ft. at the annual rate.

## Mixing

- Two-year Rate: Mix 30 lbs. (one bag) of Davey Arbor Green *PRO* in 100 gallons of water

- One-year Rate: Mix 15 lbs. (1/2 bag) of Davey Arbor Green *PRO* in 100 gallons of water

### **Application**

- Trees: Apply 50 gallons of liquid suspension per 1000 sq. ft. of soil within the branch spread. Apply one half (1/2) gallon of suspension per injection on a spacing of three (3) feet between injections. Inject at a depth of 4 to 12 inches.
- Shrubs: Apply one-eighth (1/8) gallon of suspension per injection on a spacing of two (2) feet between injections. Inject at a depth of four (4) to six (6) inches.
- Small shrubs: drench soil surface with one-fourth (1/4) gallon per ten (10) sq. ft. root area.

### **Equipment**

- Standard hydraulic sprayer with adequate agitation and soil injection probe

### **Operation Pressure**

- 150 to 200 PSI

## **Quotation Specifications**

### **Analysis:**

30-10-7

### **Nitrogen Source:**

Ureaform synthetic organic nitrogen

2/3 water-insoluble, slow-release nitrogen (WIN)

1/3 water-soluble nitrogen

### **Potassium and Phosphorus Source:**

Monopotassium phosphate, potassium polyaspartate

### **Salt Index:**

Less than 10

### **Particulate Size:**

Sprayable Powder - 95% passes 60 mesh; 100% passes 40 mesh

### **Weight:**

30 pound bag