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Product Category : Fungicide

ITEM #1201

Active Ingredient : Thiabendazole

Unit Size: 3.785 L

EPA Signal Word: CAUTION

Unit Treats: 136 cm

Arbotect® 20-S

### Product Guide

#### Product Overview:

ARBOTECT 20-S® is a systemic fungicide used as a root flare injection for prevention of Dutch Elm Disease

- Arbotect 20S does not prevent root graft infections.

#### Application Method:

Macro-infusion (refer to **115V/12V Macro-Infusion Application Guide**)

#### Application Timing:

Dutch Elm Disease: Treat only after leaves have fully enlarged, which coincides with seed drop in the spring. Treatments may continue through the growing season until just prior to the onset of fall color.

#### Determining Dosage:

##### Determining Tree Diameter at Breast Height (DBH)

- Measure the DBH of the tree at (1.3 m) above the soil like with a diameter tape (D-tape). If using a standard measuring tape divide the measurement by 3.14 to get diameter.
- Single Stem – measure the standard DBH of the tree.
- Multiple Stem Split Below DBH – measure the DBH of the tree at the narrowest point between the root flare and split

## **Application Rate:**

### Dutch Elm Disease:

- Apply 360 mL of Arbotect 20-S for each 13 cm of DBH (28 mL / cm DBH)
- Dilute each 360 mL of Arbotect 20-S in 24 L of water
- Do not use this treatment if trees are less than 25 cm DBH
- Use half rate (180 mL per 13 cm DBH) for all *Ulmus rubra* (Slippery elm) species to minimize the possibility of a phytotoxic response occurring

## **Dosage Reduction Considerations**

### Dutch Elm Disease

- Reduce the dosage rate for trees < 50 cm that are missing or sharing canopies. Reduce the dosage rate by the % of canopy missing, for example if 20% of the canopy is missing, reduce the dosage rate by 20%.

## **Mixing the Arbotect**

- Arbotect 20-S will form a white precipitate in high pH water.
- Test the quality of the water by combining proportional amounts of Arbotect 20-S and water in a clear measuring cup.
- If a white precipitate forms the water must be deionized or Muriatic Acid can be added to reduce the pH of the water
  - Add Muriatic Acid at the rate of 0.8 mL per liter of solution
- Using hard or dirty water can increase the infusion time and reduce uptake of the solution