

## ALAMO INJECTIONS

### Injection Process

#### Equipment

Pump up sprayer that holds at least 8 liters. Do not use sprayer previously used for herbicides.

Pressure gauge showing at least 20 psi and regulator valve to control flow.

Injection "T"s . Order at least 50 but may need more for larger trees.

¼" plastic tubing. About 50'. May need more for larger trees.

Goggles or face mask and chemical resistant gloves.

5/16" drill bit and electric drill.

A shovel and hand rake.

Alamo: active ingredient - propiconazole, manufacturer - Ciba Geigy.

4 oz bottle (118 ml) costs about \$80.

1 qt bottle (944 ml) costs about \$275.

#### Preparation

Remove soil from around base or root flare of tree. Dig approximately 2-6" deep and about 1-2' out.

Brush loose soil from root flares.

Prepare injection kit (see next part - Injection).

Drill ½" into sapwood using 5/16" drill bit every 6-8" around the tree flares. You will know you are in the sapwood when the drill debris turns from dark to white. Insert T's until you hear a wood squeak sound. Drill just above valleys, crotches, dead or hollow areas.

Connect one end to the tank and form an outlet valve to drain air at other end.

If it has not rained in the last 10 days, water around the base of the tree the day before the injection. The best time to inject is early morning or late evening or in the cooler times of the year. Uptake will slow during weather related temperature extremes.

#### Injection

**READ LABEL!**

Measure diameter at 4 ½' from the ground. You may measure around the trunk, the circumference, and divide by 3.14 to calculate diameter.

Ex. 31.5" around a tree at 4 ½' up divided by 3.14 = 10.03". Round to nearest whole number = 10" tree.

For every inch of diameter, you put 10ml of Alamo in pump up sprayer. For every inch of diameter, you put 1 liter of water in pump up sprayer.

Ex. For a 10" diameter tree, use 10 liters of water and 60ml of Alamo.

Shake up tank, pump up a few times, bleed air from line, pump up to 20psi. Maintain pressure until all chemical mix is taken by the tree.

All trees take different times (2-48 hours) to take up the tank mix. After uptake remove T's and prepare next tree. Recover soil around base of tree.