

# Applying Imidacloprid 75 WSP (1.6 oz packet) by Kioritz Soil Injector

The Kioritz soil injector holds up to 96 ounces of fluid and dispenses 1/6 ounce of fluid with each pump when the calibration ring is set on 5 (all the way down). Each 1.6 oz packet of Imidacloprid 75 WSP will treat an average of 45 diameter inches.

**Step 1.** To make a master batch of treatment solution, follow the proportions of water and packets of product shown in the Mixing chart below. **Warm water** works best for dissolving the packets. Put the water in a mixing container first. Then add the corresponding number of packets and shake well.

MIXING THE MASTER BATCH	
Amount of Product	Amount of Water
Put 1 entire 1.6 oz packet into water; don't open the packet.	24 fl oz
2 packets	48 fl oz
3 packets	72 fl oz
4 packets	96 fl oz.

*Note: This mixing ratio is the one recommended for Dry to Normal Soil. We suggest using it even if the soil is moist to prevent clogging the injector.*

**Step 2.** Measure the trunk diameter of the tree at breast height. This is called “inches dbh.”

**Step 3.** Rake back any leaf litter, needle duff or debris from the base of the tree so that bare soil is accessible. At a distance of **no more than 12 inches from the base of the tree**, make one injector hole in the soil for each inch of trunk diameter. The holes should be evenly spaced around the tree and **no deeper than 2-4 inches**.

Note: For trees that are smaller than 4 inches in diameter, make a **minimum of 4 shallow holes** around the tree.

**Step 4.** Based on the trunk diameter, pump the injector handle the number of times shown in the Dosing chart below.

DOSING EACH TREE	
Inches (DBH)	Pumps <b>PER INCH</b> DBH
1-11	2 pumps / hole
12-18	3 pumps / hole
19-22	4 pumps / hole
>22 should be treated two years in a row.	6 pumps / hole

**Step 5.** When you're finished treating each tree, mark it to indicate it's been treated. When finished working, **triple rinse the injector** as described in “Introduction to Treating Hemlocks” and store it upside down.

**CALL THE HEMLOCK HELP LINE 706-429-8010 WITH ANY QUESTIONS.**

