

Applying Transtect 70 WSP by Kioritz Soil Injector

The Kioritz soil injector holds up to 96 ounces of solution and dispenses 1/6 ounce of solution per pump when the calibration ring is set on the red number 5. Each 0.6-ounce packet of Transtect 70 WSP will treat an average of 12 diameter inches.

Step 2. To make a batch of solution, put the required amount of water in a mixing container first. Warm water works best. Then add the corresponding number of packets shown in the Mixing chart below and shake well.

| MIXING | | | |
|--|-----------------|---|--|
| Amount of Product | Amount of Water | | |
| Put 1 packet in water; don't open the packets | 5 fluid ounces | The mixing ratio is 1 packet with 5 ounces of water. | Note: The recommended mixing ratio for soil injection has been updated to use much less water per ounce of product than previously recommended, per Mark Dalusky, UGA. |
| 2 packets | 10 fluid ounces | In this mixture there are 2.4 grams of active ingredient per ounce of solution. | |
| 3 packets | 15 fluid ounces | | |
| 4 packets | 20 fluid ounces | | |
| 5 packets | 25 fluid ounces | | |

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

Step 3. Rake back any leaf litter, 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 2-3 inches**. Injecting very close to the trunk, up against the big roots, and in the sinuses between the roots helps speed absorption.

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 | | | |
|--------------|--------------------|--|--------------------------------|
| Inches (DBH) | Pumps per Inch DBH | | Active Ingredient per Inch DBH |
| 1 – 15 | 1.5 pumps | Alternate 1 and 2 pumps around the tree. | 0.6 gram |
| 16 – 19 | 2 pumps | | 0.8 gram |
| 20 – 23 | 2.5 pumps | Alternate 2 and 3 pumps around the tree. | 1 gram |
| 24 - 27 | 3 pumps | | 1.2 grams |
| 28 – 31 | 3.5 pumps | Alternate 3 and 4 pumps around the tree. | 1.4 grams |
| 32 – 35 | 4 pumps | | 1.6 grams |
| 36 – 39 | 4.5 pumps | Alternate 4 and 5 pumps around the tree. | 1.8 grams |
| 40 - 43 | 5 pumps | | 2 grams |
| 44 – 47 | 5.5 pumps | Alternate 5 and 6 pumps around the tree. | 2.2 grams |
| 48 or more | 6 pumps | | 2.4 grams |

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

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

