

Applying Transtect 70 WSP by Nu-Arbor 1-Two Root Injector

The Nu-Arbor injector holds up to 4 gallons of solution and dispenses a standard 1/4 ounce of solution with each stroke. Each 0.6-ounce packet of Transtect 70 WSP will treat an average of 12 diameter inches.

Step 1. 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	7.5 fluid ounces	The mixing ratio is 1 packet per 7.5 ounces of water. In this mixture there are 1.6 grams of active ingredient per ounce of solution.	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	15 fluid ounces		
3 packets	22.5 fluid ounces		
4 packets	30 fluid ounces		
5 packets	37.5 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.

