

# Applying Zylam 10% Liquid by Nu-Arbor 1-Two Root Injector

The Nu-Arbor injector holds up to 4 gallons of fluid and dispenses a standard 1/4 ounce of fluid with each stroke.

**Step 1.** To make a master batch of treatment mixture, put the required amount of water in a mixing container first. Warm water works best. Then add the corresponding amount of product shown in the Mixing chart below and shake well.

MIXING		
Amount of Product	Amount of Water	The mixing ratio for Nu-Arbor soil injection is 16 ounces of product to 12 ounces of water.  In this mixture there are 1.6 grams of active ingredient per ounce of mixture.
16 ounces	12 fluid ounces	
32 ounces	24 fluid ounces	
42.67 ounces	32 fluid ounces	
64 ounces	48 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.**

