

Applying Safari 20 SG 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.

Use the **specially marked plastic measuring cup** that comes with your purchase of Safari to measure the **required amount of product** and a regular measuring cup to measure the amount of water. Note that the numbers printed on special measuring cup refer to the *weight* of Safari 20 SG in ounces and are not the same as in a regular measuring cup.

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	
9 ounces	32 fluid ounces (1 qt)	The mixing ratio for Nu-Arbor soil injection is 9 ounces of product per quart of water.
12 ounces	43 fluid ounces	
18 ounces	64 fluid ounces (2 qts)	In this mixture there are 1.6 grams of active ingredient per ounce of solution.
27 ounces	96 fluid ounces (3 qts)	
36 ounces	1 gal	
72 ounces	2 gal	

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.	.6 gram
16 – 19	2 pumps		.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.

