

# Applying Safari 20 SG by Nu-Arbor 1-Two Root Injector

The Nu-Arbor injector holds up to 4 gallons of fluid and dispenses 1/4 ounce of fluid per stroke. One 12-ounce bottle of Safari 20 SG treats an average of 70 diameter inches; a 3-pound jug treats an average of 283 diameter inches.

<p style="text-align: center;"><b>IMPORTANT</b></p> <p>Use the <b>specialty marked measuring cup</b> 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 the special measuring cup refer to <i>ounces of weight</i> of Safari 20 SG and are <i>not</i> the same as <i>fluid ounces of volume</i> in a regular measuring cup.</p>	<p style="text-align: center;"><b>CONVERSION FACTOR</b></p> <p>If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:</p> <p style="text-align: center;">3.5 oz by weight in the Safari measuring cup = 6.25 oz. by volume in a regular measuring cup</p>
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**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 THE MASTER BATCH		
Amount of Product	Amount of Water	<p><b>Note:</b></p> <p style="color: red;">This recommended mixing ratio is specifically for the Nu-Arbor soil injector and has been updated to prevent clogging of the injector.</p>
4.5 ounces	32 fluid ounces (1 qt)	
9 ounces	64 fluid ounces (2 qts)	
12 ounces	85 fluid ounces	
13.5 ounces	96 fluid ounces (3 qts)	
18 ounces	1 gal	
36 ounces	2 gal	

**Step 2.** Measure the diameter of the tree trunk at breast height (4.5 feet above the ground). This is called “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**. 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 EACH TREE	
Inches (DBH)	Pumps per Inch DBH
1 – 15	3 pumps
16 – 19	4 pumps
20 – 23	5 pumps
24 - 27	6 pumps
28 – 31	7 pumps
32 – 35	8 pumps
36 – 39	9 pumps
40 or greater	10 pumps

**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.”

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

