Applying Safari 20 SG by EZ-Ject Soil Injector

One 3-pound jug treats an average of 283 diameter inches; one 12-ounce bottle treats an average of 70 diameter inches. The EZ-Ject injector holds up to 1 gallon of fluid. If you have the model that dispenses **1/4 ounce of fluid per pump**, follow the instructions below. (See next page for 1/2 ounce output mixing/dosing instructions.)

IMPORTANT	CONVERSION FACTOR
Use the **specially marked 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 the special measuring cup refer to *ounces of weight* of Safari 20 SG and are *not* the same as *fluid ounces of volume* in a regular measuring cup.	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: 8 fl. oz. by volume in a regular measuring cup = 4 oz. by weight in the Safari 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 THE MASTER BATCH for ¼ ounce output per stroke		
Amount of Product	**Amount of Water**	**Note:** This recommended mixing ratio is specifically for the EZ-Ject soil injector and has been updated to prevent clogging of the injector.
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."

Save Georgia's Hemlocks
Hemlock Help Line℠ 706-429-8010
www.SaveGeorgiasHemlocks.org

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

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IMPORTANT	CONVERSION FACTOR
Use the **specially marked 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 the special measuring cup refer to *ounces of weight* of Safari 20 SG and are *not* the same as *fluid ounces of volume* in a regular measuring cup.	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: 8 fl. oz. by volume in a regular measuring cup = 4 oz. by weight in the Safari measuring cup.

Step 1. To make a master batch of treatment solution, 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 for output of ½ ounce output per stroke		
Amount of Product	**Amount of Water**	**Note:** This recommended mixing ratio is specifically for the EZ-Ject soil injector and has been updated to prevent clogging of the injector.
2.25 ounces	32 fluid ounces (1 qt)	
4.5 ounces	64 fluid ounces (2 qts)	
6.75 ounces	96 fluid ounces (3 qts)	
9 ounces	128 fluid ounces (1 gal)	

Step 2. Measure the diameter of the tree trunk at breast height (4.5 ft. above the ground). This is called "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 2-4 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."

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