

# Applying Safari 20 SG by Soil Drench

Use the **specialty 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	<p>The mixing ratio for soil drench is 3.5 ounces of product per quart of water.</p> <p>In this mixture there is .6 gram of active ingredient per ounce of mixture.</p>
3.5 ounces	32 fluid ounces (1 qt)	
7 ounces	64 fluid ounces (2 qts)	
10.5 ounces	96 fluid ounces (3 qts)	
12 ounces	110 fluid ounces	
14 ounces	128 fluid ounces (1 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**, use a piece of rebar to make one 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**. Placing the treatment 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.** Treatment is done on an **individual tree** basis. Use the Dosing table below to determine how many ounces of mixture the tree needs by multiplying its trunk diameter by the number of ounces shown in the center column.

DOSING EACH TREE		
Inches (DBH)	Oz of MIXTURE per Inch DBH	Active Ingredient per Inch DBH
1 - 15	1 ounce	.6 gram
16 - 19	1.33 ounces	.8 gram
20 - 23	1.67 ounces	1 gram
24 - 27	2 ounces	1.2 grams
28 - 31	2.33 ounces	1.4 grams
32 - 35	2.67 ounces	1.6 grams
36 - 39	3 ounces	1.8 grams
40 - 43	3.33 ounces	2 grams
44 - 47	3.67 ounces	2.2 grams
48 or greater	4 ounces	2.4 grams

**Step 5.** Use a regular measuring cup to measure out exactly the required amount of treatment mixture for the tree and put it into a larger pouring container. Then **add more water** to the pouring container to make it easier to distribute the material evenly around the tree, as follows:

For trees up to 12” in diameter, add one gallon of water.

Add one more pint of water for every inch of diameter over 12.

**Step 6.** Pour the treatment mixture into the holes and all around the base of the tree slowly to avoid runoff and be sure to use it all up on the intended tree. When you’re finished treating each tree, mark it to indicate it’s been treated. Give the treatment time to dry before children or pets are allowed in the area.

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



**Step 1.** Measure the trunk diameter of the tree at breast height before mixing the treatment.

**Step 2.** To make a **small custom batch of treatment mixture** per tree, put 2-3 ounces of water per diameter inch into a mixing container first. **Warm water** works best. Then add the corresponding amount of product shown in the Mixing chart below and shake well.

<b>MIXING SMALL CUSTOM BATCH</b>		
<b>Inches of Diameter (DBH)</b>	<b>Amount of PRODUCT per inch DBH</b>	<b>Active Ingredient per inch DBH</b>
1 – 15	3 grams = .1 oz	.6 gram
16 – 19	4 grams = .133 oz	.8 gram
20 – 23	5 grams = .167 oz	1 gram
24 - 27	6 grams = .2 oz	1.2 grams
28 – 31	7 grams = .233 oz	1.4 grams
32 – 35	8 grams = .267 oz	1.6 grams
36 – 39	9 grams = .3 oz	1.8 grams
40 - 43	10 grams = .33 oz	2 grams
44 – 47	11 grams = .367 oz	2.2 grams
48 or more	12 grams = .4 oz	2.4 grams

**Step 3.** Once you've mixed the required amount of treatment mixture for the intended tree, pour it into a larger dispensing container. Then **add more water** to make it easier to distribute the material evenly around the tree, as follows:

For trees up to 12" in diameter, add one gallon of water.  
Add one more pint of water for every inch of diameter over 12.

**Step 4.** Pour the treatment mixture slowly into the holes and all around the base of the tree to avoid runoff and be sure to use it all up on the intended tree. When you're finished treating the tree, mark it to indicate it's been treated. Give the treatment time to dry before children or pets are allowed in the area.

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