



QUICK REFERENCE CHEMICAL CHARTS

The information provided here is based on product labels and advice from experts, including various public land managers, product representatives, and the University of Georgia. It is the user's responsibility to read and follow the label instructions when using pesticide materials. If you're using a soil injector, be sure the calibration ring is set on 5.

Imidacloprid Mixing – Based on level of soil moisture.		
Amount of Imidacloprid Product	Amount of Water for Moderate to Wet Soil	Amount of Water for Dry to Normal Soil
75% water soluble power: Put entire 1.6 oz packet into water; don't open packet.	Use 12 fl oz water. Each fl oz of this mix contains 3 grams active ingredient.	Use 24 fl oz water. Each fl oz of this mix contains 1.5 grams active ingredient.
75% wettable powder: .7 teaspoon / inch DBH	.25 fl oz water / inch DBH	.5 fl oz water / inch DBH
21.4% or 22.6% liquid containing 2 lbs active ingredient: .2 fl oz / inch DBH	.26 fl oz water / inch DBH	.78 fl oz water / inch DBH

Imidacloprid Applying – One injection hole per inch of trunk diameter.			
Inches Diameter (DBH)	Dosage per Inch DBH for Moderate to Wet Soil	Dosage per Inch DBH for Dry to Normal Soil	Active Ingredient per Inch DBH
1-11	1 pump / hole (1/6 fl oz solution)	2 pumps / hole (1/3 fl oz solution)	.5 gram
12-18	1.5* pumps / hole (1/4 fl oz solution)	3 pumps / hole (1/2 fl oz solution)	.75 gram
19-22	2 pumps / hole (1/3 fl oz solution)	4 pumps / hole (2/3 fl oz solution)	1 gram
>22 should be treated two years in a row.	3 pumps / hole (1/2 fl oz solution)	6 pumps / hole (1 fl oz solution)	1.5 grams x 2 years

*To get the equivalent of 1.5 pumps per hole, do 1 pump in half the holes and 2 pumps in the other half, and try to distribute these two levels evenly around the tree. Do not apply more than 8.6 ounces (.4 lbs active ingredient) per acre per year.

Safari 20 SG – Mixing

Use the plastic measuring device that is sold with Safari 20 SG to measure required amount of product and a regular measuring cup to measure the water. Mix product and water in the ratio of 3.5 ounces of product by weight to 32 fluid ounces (1 quart) of water:

3.5 oz. product with 32 oz. water (1 qt)	10.5 oz. product with 96 oz. water (3 qts)
7 oz. product with 64 oz. water (2 qts)	14 oz. product with 128 oz. water (1 gal)

Safari 20 SG – Applying

Inches of Diameter (DBH)	Soil Injection: Handle PUMPS per Inch DBH	Soil Drench: Oz of SOLUTION per Inch DBH	Trunk Spray: Oz of SOLUTION per Inch DBH	Grams of ACTIVE INGREDIENT per Inch DBH
1 – 15	6 pumps	1 oz	1 oz	.6 gram
16 – 19	8 pumps	1.33 oz	1.33 oz	.8 gram
20 – 23	10 pumps	1.67 oz	1.67 oz	1 gram
24 - 27	12 pumps	2 oz	2 oz	1.2 grams
28 – 31	14 pumps	2.33 oz	2.33 oz	1.4 grams
32 – 35	16 pumps	2.67 oz	2.67 oz	1.6 grams
36 – 39	18 pumps	3 oz	3 oz	1.8 grams
40 - 43	20 pumps	3.33 oz	3.33 oz	2 grams
44 – 47	22 pumps	3.67 oz	3.67 oz	2.2 grams
48 or more	24 pumps	4 oz	4 oz	2.4 grams

Note: Apply Safari® 20SG from February 1 to November 15 (don't apply during extremely dry periods). Do not apply more than 2.7 lbs. (245.4 grams active ingredient) per acre per year. For more information, call 706-429-8010 or visit www.savegeorgiashemlocks.org.