

Optimized Application of Imidacloprid by Tablets*

Coretect Tree and Shrub Tablets Insecticide is a slow-release product for treating lightly to moderately infested hemlocks and can be used in both ornamental landscapes and forested settings. Each 2.5 gram tablet contains 20% Imidacloprid (0.5 gram) and 80% fertilizer and other ingredients. Release of the active ingredient is dependent on presence of adequate soil moisture. The dry tablets can be used in settings where there is no access to running water, but release of the active ingredient then depends on adequate rainfall.

Using the dosage rates indicated in this instruction, one 250-tablet container can treat from 123 diameter inches for the largest trees to 250 diameter inches for the smallest trees, with the average being 186 diameter inches per container.

Step 1. Measure the diameter of the tree at breast height. This is referred to as “inches dbh.”

Step 2. Brush away the top layer of organic material from the base of the tree so that bare soil is accessible. At a distance of **6 to 24 inches from the base of the tree**, use a thin piece of rebar to make one shallow hole in the soil for each inch of trunk diameter **no deeper than 2-5 inches**. Except for very small trees, the number of holes should equal the trunk diameter.

Step 3. Use the Dosing table below to determine how many tablets the tree needs. Place the required number of tablets into the holes, distributing them as evenly as possible. Ensure that the tablets are completely covered with soil after application.

DOSING EACH TREE				
Inches (DBH)	Tablets per Tree		Inches (DBH)	Tablets per Tree
4	3		20	32
5	4		21	34
6	5		22	37
7	7		23	39
8	8		24	42
9	10		25	44
10	11		26	47
11	13		27	49
12	15		28	52
13	17		29	54
14	19		30	57
15	21		31	60
16	23		32	62
17	25		33	65
18	27		34	68
19	30		35	71

Step 6. When you’re finished treating each tree, mark it to indicate it’s been treated. And if possible, it will speed dissolution and uptake of the treatment material if you are able to water the tree after treatment.

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

*The dosage rates in this instruction are from “Optimized Insecticide Dosage for Hemlock Woolly Adelgid Control in Hemlock Trees” by Elizabeth Benton and Richard Cowles, 2016. Hemlocks given these new dosage rates are expected to have enough insecticide in the foliage to reduce HWA populations for at least five years after a single application. https://www.warnell.uga.edu/sites/default/files/publications/WSFNR-17-01%20Benton_0.pdf



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