

Hemlock Treatment for Dummies

This instruction is for treating lightly to moderately adelgid-infested hemlocks with liquid Imidacloprid by the soil drench method.

It's easy and fun! Well, not so easy and not so much fun, but you can do this! The gratification you will get from saving these beautiful trees is immeasurable. Saves property values too!

Recommendations for things you will need that are easy to obtain

- Dominion 2L 21.4% Imidacloprid in the 27.5 oz size bottle for about \$22. Check at your local Co-Op or the list of sources on page 2 of this instruction for availability. (Can substitute any other generic Imidacloprid 2F or 2L product in the 27.5 oz size.)
- Two Rubbermaid MixerMate 1-Gal Pitchers. Sold at Walmart.
- Mainstays Mix & Serve Container 2-cup capacity with ounce designations. Sold at Walmart.
- A regular measuring tape (or you can get a Komelon 10' Touch-Lock diameter tape from www.walmart.com for under \$10).
- Piece of rebar, a stake, or any pointy object to make holes in the soil around the base of the tree.
- An extra gallon of water. A 1-gal milk jug will do.

Steps for treating a tree

Step 1. Make your master batch as follows. Pour the contents of the Dominion Imidacloprid into the Rubbermaid 1-gal pitcher. Then fill the pitcher almost to the top with water and swirl gently to mix. Just for perspective, this would be enough to treat approximately twenty-one 12 inch diameter trees. Larger trees will of course require more product.

Step 2. Measure the trunk diameter at breast height, referred to as “dbh.” To get the diameter, wrap a regular measuring tape around the trunk at 4 ½ feet above the ground and divide by 3.14 and round to the nearest whole inch. Hint: Bring your cell phone with calculator app. Do not drop your cell phone into the Imidacloprid solution ☺. Or if you use a diameter tape, be sure to read the red inch numbers on the diameter side at the zero mark, not the metal tip of the tape.

Step 3. Rake back any leaf litter, needle duff, or debris from the base of the tree so that bare soil is accessible. At the base of the tree, but no more than 12 inches from the base, use a piece of rebar to make one hole in the soil for each inch of trunk diameter. Do not poke a hole in your foot! The holes should be evenly spaced around the tree and no deeper than 2-4 inches. Note: For trees 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 on page 2 on this instruction to determine how many total ounces of treatment mixture the tree needs. Pour the needed amount of mixture into the smaller Mix and Serve Container. For example, a 12 inch diameter tree needs a total of 6 fl oz of mixture, so pour the mixture into the smaller container up to the 6 oz mark. Add some water to the smaller container to make it easier to distribute the mixture evenly in the holes and around the base of the tree; or if the soil is dry, pour the contents of the small container into the second Rubbermaid pitcher and add up to a gallon more water.

Step 5. Pour the measured treatment mixture from the small container or the second Rubbermaid container into the holes and all around the base of the tree slowly to avoid runoff; be sure to use it all up on the intended tree. When you're finished treating each tree, you can mark it to indicate it's been treated. A small dot of spray paint works. Give the treatment time to dry before children or pets are allowed in the area.

Congratulations! You've done it! We knew you could!

NOTE: More detailed instructions and information may be found on www.savegeorgiashemlocks.org/Resources.htm.



Retail Product Sources					
City	Source	Phone	City	Source	Phone
Alpharetta	Site One Landscaping	770-442-8881	Cumming	FIS Outdoor	678-409-3202
Alpharetta	Regal Chemical	800-621-5208	Dahlonega	Anderson Feed & Hardware	706-864-3364
Americus	Red River Specialties	229-924-9459	Ellijay	Ace Hardware	706-635-2236
Atlanta	Toccoa Solutions	770-630-8873	Ellijay	Gravitt Feed & Farm Supply	706-635-3276
Blairsville	Nelson's Ace Farm & Garden	706-745-6380	Jasper	Garner Ace Hardware	706-692-5929
Blue Ridge	Fannin County Co-op	706-632-5425	Jasper	SouthScape	706-253-0033
Buford	Site One Landscaping Supplies	770-470-9971	LaFayette	Ace Hardware	706-638-1732
Clayton	Reeves Feed & Farm Supply	706-960-9090	LaFayette	Southeastern Farmers Co-op	706-638-3889
Cleveland	Ash Brothers Feed & Farm Supply	706-865-2124	Norcross	BWI Companies	770-515-8000
Cleveland	White County Farmers Exchange	706-865-2831	Suwanee	Helena Chemical Company	770-945-0686

On Line Product Sources:

- ePest Solutions <https://www.amazon.com/s?ie=UTF8&me=AX6XB8XK2JAWT&page=1>
- Do My Own Pest Control www.domyownpestcontrol.com
- Do Your Own Pest Control <http://store.doyourownpestcontrol.com>

Dosing Each Tree					
Inches (DBH)	Total Oz. of Treatment Mixture for the Tree		Inches (DBH)	Total Oz. of Treatment Mixture for the Tree	
1	1/3	fl oz of mixture	13	6 1/2	fl oz of mixture
2	2/3	fl oz of mixture	14	7	fl oz of mixture
3	1	fl oz of mixture	15	7 1/2	fl oz of mixture
4	1 1/3	fl oz of mixture	16	8	fl oz of mixture
5	1 2/3	fl oz of mixture	17	8 1/2	fl oz of mixture
6	2 fl	oz of mixture	18	9	fl oz of mixture
7	2 1/3	fl oz of mixture	19	12 2/3	fl oz of mixture
8	2 2/3	fl oz of mixture	20	13 1/3	fl oz of mixture
9	3	fl oz of mixture	21	14	fl oz of mixture
10	3 1/3	fl oz of mixture	22	14 2/3	fl oz of mixture
11	3 2/3	fl oz of mixture	> 22	1 fl oz of mixture per inch (e.g., 23 in = 23 fl oz, 30 in = 30 fl oz)	
12	6	fl oz of mixture			

Note: Trees larger than 22 inches should be treated two years in a row.