

Applying Low Concentration Imidacloprid Liquids to Small Saplings by Foliar Spray

There are several low concentration liquid products on the market, some made by Bayer (such as Bayer Advanced Tree & Shrub) and some by other manufacturers. While spraying is generally NOT a recommended treatment method because of the risk of wind drift onto beneficial insects or the plants they visit, it can be used effectively on very small trees (potted saplings in 1 – 3 gallon pots and planted saplings or hedges up to 6 – 8 feet tall) for a protection period of about 1 year. This method can also be useful if you're doing soil application on a large tree that has heavy infestation on lower limbs that you can reach with spray.

IMPORTANT: Do this only on a still day when there's NO breeze either early in the morning before the beneficial insects are out and about or late in the evening when they've gone back home. You'll also want a window of 12 hours with no rain before and after application.

Percentage of Active Ingredient (Imidacloprid)	Ratio of Product and Water
0.74%	2 tsp. product + 3 qts. water or 2 ² / ₃ tsp. product + 1 gal. water
1.47%	1 tsp. product + 3 qts. water or 1 ¹ / ₃ tsp. product + 1 gal. water
2.94%	½ tsp. product + 3 qts. water or ² / ₃ tsp. product + 1 gal. water

Note: There are 3 teaspoons to a tablespoon and 6 teaspoons to an ounce.

Step 1. Based on the concentration of active ingredient, mix the amounts of product and water shown above.

Step 2. Pour the mixture through a filter into the spray to prevent clogging from any undissolved material.

Step 3. Wearing gloves, goggles, and a mask, spray the foliage thoroughly from top and bottom.

Step 4. When you're finished treating each tree, mark it in some way to indicate it's been treated. Give the treatment time to dry before children or pets are allowed in the area, usually about an hour.

Make this application once a year to continue the HWA protection.

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