



# SOIL DRENCH TREATMENT FOR HEMLOCK WOOLLY ADELGID

## Using Imidacloprid WSP or 2F

### MIXING INSTRUCTIONS:

Wear rubber gloves and eye protection. ALWAYS FOLLOW LABEL DIRECTIONS.

- **Water Soluble Packets (WSP):** Add one 1.6 oz. WSP to the Nalgene bottle. Fill with water to form a final volume of 48 fl. oz. Close container and continue to agitate to make sure imidacloprid remains suspended in fluid.
- **Imidacloprid 2F (flowable):** Add 4.75 ounces of Imidacloprid 2F to the Nalgene bottle. Fill with water to form a final volume of 48 fl. oz. Close container and continue to agitate to make sure imidacloprid remains suspended in fluid.

*\*For other types of imidacloprid, follow label instructions for mixing or contact your county agent.*

### APPLICATION INSTRUCTIONS:

1. Measure the diameter (width) of the tree to be treated at breast height (DBH, 4.5 feet above ground) to the nearest inch. Using the included diameter tape, measure the width of the tree, making sure to use the side of the tape calibrated for diameter.
2. Soil drench rate is 1 ounce of chemical suspension (the mixture created above) per inch of diameter. As an example, an 8-inch DBH tree will require 8 ounces of chemical suspension.
3. Brush away the top layer of organic material (the “duff” layer) in the immediate area where the soil drench is being applied. The imidacloprid suspension should be applied to the soil within 18 inches of the hemlock trunk. Using the included measuring cup, measure the correct amount of suspension. Pour the suspension evenly around the base of the tree. Do not pour the suspension all in one location. Do not pour the suspension on the hemlock trunk.

**\*\*Caution:** *Soil applications should NOT be made within 10 feet of a stream channel, lake, pond, or wetland. Do not use soil applications on rocky outcrops where there is very little soil around the base of the hemlock. Do not make soil applications immediately after rainfall or during a drought. The soil should be moist, not saturated, for maximum effectiveness.*

When finished treating trees, triple rinse the measuring cup and bottle, pouring the rinse water around treated trees (there is still usable chemical there).



### Soil Drench Kit Contents:

- 5-GALLON BUCKET WITH LID
- 48-OUNCE NALGENE BOTTLE
- 4-CUP MEASURING CUP
- DIAMETER TAPE
- LAMINATED MIXING/APPLICATION INSTRUCTIONS

*UGA Extension/Georgia Forestry Commission/Warnell School of Forestry and Natural Resources offer this soil drench kit as a public service, and any damage is the responsibility of the borrower. Please make sure all items are clean and dry before returning. A refundable deposit check of \$50, made payable to UGA Extension/4-H, is required at the time of pickup. The check will be returned when the complete kit is turned in and inspected by the agent.*