

# HWA Management: Best Management Practices (BMPs) For Your Property



**When to Treat:** ONLY when you find an infestation on your property, not before

**Treatment Options Available to Private Applicators:** Imidacloprid

**Treatment Options Available to Certified Applicators:** Imidacloprid, Dinotefuran (Safari™, Transtect™)

## **Imidacloprid** (active ingredient)

- Systemic pesticide
- Effective for up to 7 years following application
- Slow acting, reaches canopy after 1 year

**Application Methods:** Basal bark application, soil drench, stem injection, Core-Tect™ tablets, soil injection

## **Dinotefuran** (active ingredient)

- Systemic pesticide
- Fast-acting in tree canopy
- Effective for 1 year following application
- May be applied as tank mix with Imidacloprid (ONLY as basal bark application)
- Must be applied by Certified Applicator

**Application Method:** Basal bark application



## **For Private Applicators (Private Landowners, Non-Certified Pesticide Applicators)**

**Only Available Option:** Imidacloprid Soil Drench—Dinotefuran not available for private application

### **Soil Drench (Imidacloprid only)**

#### **Application:**

- Apply to mineral soil at base of tree; to use, remove organic material layer from 2 ft of area surrounding base of a hemlock tree
- Apply proper amount designated by pesticide label
- Do not apply close to water source

**When to Apply:** Spring or Fall when tree is actively transpiring, when soil is moist but not wet (such as after a rain storm)

**Where to Purchase:** Can be found at a local garden supply store or online; common brand: Bayer Advance Tree & Shrub

## **For Certified Pesticide Applicators (Contracted by Private Landowners)**

**Best Management Practice:** Basal Bark Application (Imidacloprid or Imidacloprid + Dinotefuran tank mix)

### **Basal Bark Application (Imidacloprid/Dinotefuran)**

- Applied directly to lower 4-6 ft of hemlock trunk; non-invasive application
- Can be applied near water
- Can apply both Imidacloprid and Dinotefuran together as tank mix
- Minimal off-target effects of application
- Apply in fall or spring seasons

#### **Additional Information:**

- **APPLICATORS MUST HAVE 2ee EXEMPTION FOR USING IMIDICLOPRID**

### **Other Methods Available for Certified Applicators:**

- **Stem injection:** Applied through hole drilled into tree; may be applied near water; more time-consuming than basal bark application; apply in fall/spring seasons
- **Core-Tect™ Soil Tablets:** Applied in mineral soil at tree's base; slow release of product over 2 year period; may be applied regardless of season or weather conditions
- **Soil injection:** Applied to mineral soil at base of tree; cannot be used on trees near water sources; apply in fall/spring season

**Landowners may choose to consult with a Certified Pesticide Applicator to determine the application method that matches their priorities and budget.**