



P.O. Box 34645 • Omaha, NE 68134 • Toll-Free: 800-698-4641 • Phone: 402-339-4459 • Fax: 402-339-5011

An ArborSystems™ Direct-Inject™ Chemical

For systemic insect control in a wide variety of ornamental trees in utility rights-of-way, urban environments, residential areas, and interior plantscapes (such as those in domestic landscape/garden areas, public display plantings, recreation areas, highway and other transportation rights-of-way, scenic corridors, storage areas, forest areas, campgrounds and other uncultivated, nonagricultural areas).

Intended for use by professional arborists/applicators, foresters, grounds maintenance professionals and landscapers. To be used only with the ArborSystems Direct-Inject Tree Injection Systems.

ACTIVE INGREDIENT:

Imidacloprid (CAS No. 138261-41-3) 5%

OTHER INGREDIENTS 95%

Total: 100%

Container Size	Net Contents	AI/Container
120 ml pack	4 fl oz (120 ml)	0.2 oz (6 g)
1000 ml pack	1 qt 2 fl oz (1000 ml)	1.8 oz (50 g)

EPA Reg. No. 69117-1 EPA Est. 69117-NE-1

Keep Out of Reach of Children

WARNING

See below for additional precautionary statements and complete Directions for Use.

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

WARNING: Harmful if swallowed, inhaled or absorbed through skin. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses. Thoroughly wash with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If Swallowed: Immediately call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. This product is highly toxic to bees exposed to direct treatment or residues on blooming plants or weeds. Do not apply this product to blooming plants or weeds if bees are visiting the treatment area.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its label.

GENERAL INFORMATION

Do not inject food bearing plants.

ARBORSYSTEMS DIRECT-INJECT TREE INJECTION SYSTEM

The ArborSystems Direct-Inject Tree Injection System is easy to use. Most trees are treated in as little as five minutes or less with no drilling required. Chemical is injected into the cambial area of the tree (the active vascular system). There is no need to wait for absorption (translocation). Because the chemical is placed right where the tree can use it, effectiveness of the chemical is increased. Use in sunny or overcast conditions, rainy or dry, at any time of day. As no drilling or implants are required, you can treat trees year after year, with no threat of long-term or permanent damage to the tree. Direct-Inject Systems minimize wounding and promote long-term tree vigor.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Use protective eyewear and gloves when handling ArborSystems Direct-Inject chemicals. Use chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton.

INDICATIONS

As a preventative, apply in the early spring prior to insect activity in the tree. **As a remedial** (on trees already showing symptoms of infestation), apply as needed spring through fall, provided the bark is pliable enough to accept the chemical injections.



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PEST CONTROLLED

- Adelgids (including Hemlock Woolly Adelgids)
- Aphids
- Armored Scales (suppression)
- Asiatic Garden Beetles
- Bark Beetles (including Asian Longhorned Beetle, Citrus Longhorned Beetle and IPS)
- Black Vine Weevil Larvae
- Chafer
- Elm Leaf Beetles
- Eucalyptus Longhorned Borer
- Flatheaded Borers (including Alder-Birch Borer, Bronze Birch Borer, and Emerald Ash Borer)
- Japanese Beetles
- Japanese Beetle Larvae
- Lacebugs
- Leafhoppers
- Leafminers
- Mealybugs
- Oriental Beetles
- Pine Bark Beetles
- Pine Tip Moth Larvae
- Psyllids
- Royal Palm Bugs
- Sawfly Larvae
- Soft Scale Insects
- Thrips (suppression)
- Whiteflies

DOSAGE

1 ml per 4" to 6" of trunk circumference measured within 12" of the ground.

Dosage may be increased to a maximum of 2 ml per injection site for trees with diameters over 12" or with challenging insect infestations (such as Asian Longhorn Beetle, Citrus Borers, Emerald Ash Borer or Hemlock Woolly Adelgids).

Note: Younger or small trees with thinner bark may be less able to retain the full dose per injection site; in such cases, to obtain the appropriate per-tree dosage, reduce the dosage per injection site to 0.5 to 1 ml per site and increase the number of injection sites accordingly.

(i.e., if the tip does not reach the outer xylem ring), withdraw the Tip. Replace the short Tip with the longer Tip to ensure the Tip fully penetrates the bark to reach the outer xylem ring. Use Portle® Tips when treating conifers and Palm Tips when treating palms.

8. When the Tip is correctly inserted, firmly squeeze the injection unit handles using a smooth, slow motion. This releases a pre-measured chemical dose into the tree.
9. Continue making injections moving around the tree until the entire tree trunk has been treated.
10. During use, periodically clean the Direct-Inject unit to prevent clogging.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store above 65°F in original container in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Non-refillable container; do not reuse or refill this container. Completely empty pack into application equipment, then offer for recycling if available; otherwise dispose of empty pack in a sanitary landfill.

NOTICE OF WARRANTY

ArborSystems warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. ArborSystems does not make or authorize any agent or representative to make any other warranty, guarantee or representation, express or implied, concerning this product.

Pointer®, Portle®, and Wedgle® are registered trademarks of ArborSystems.

ArborSystems™, Direct-Inject™, and WedgeChek™ are trademarks of ArborSystems.

Direct Inject™ unit is protected by U.S. Patent #5,901,498

Wedgle® Tip is protected by U.S. Patent #5,239,773

WedgeChek™ is protected by U.S. Patent #5,797,215

Portle® Tip is protected by U.S. Patent #7,178,286

HOW TO USE ARBORSYSTEMS DIRECT-INJECT CHEMICALS WITH ARBORSYSTEMS DIRECT-INJECT UNITS

1. Use only ArborSystems Direct-Inject chemicals with your unit as they have been formulated specifically for the Direct-Inject system. Use of other chemicals will invalidate warranty.
2. Attach the chemical pack to the Direct-Inject unit and prepare the unit to make injections.
3. Set the delivery volume on the unit.
4. Follow the label directions to determine the amount of chemical and number of injection sites.
5. Determine where to make injections in the bark. Generally, the injection tip is inserted into the fissure (valley) of the tree bark. Inject thin-barked trees in the thicker part of the tree bark. Thick-barked trees require a longer injection tip.
6. Make injections working around the circumference of the tree. Make Wedgle® Tip injections within 12" of the ground. Portle® Tip injection height varies depending on type of tree and location.
7. When treating hardwoods, use Wedgle® Tips and make injections within 12" of the ground. Initially, use the shorter Wedgle Tip; if no resistance is met after this initial insertion past the bark