

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 landscapes.

For the Treatment of Woody Trees and Shrubs for the Control of Elm Leaf Beetles, Lace Bugs, Leaf Miners, Mites and Pine Wilt (Pine Nematodes).

For Use By Professional Arborists/Applicators, Grounds Maintenance Professionals, City Foresters, Electric Utility Foresters/Contractors and Landscapers.

To be used with the ArborSystems Direct-Inject™ Tree Injection System.

ACTIVE INGREDIENT:

Abamectin (CAS Nos. 65195-56-4 and 65195-55-3) 2%

OTHER INGREDIENTS 98%

Total: 100%

Container Size	Net Contents	AI/Container
30 ml bottle	1 fl oz (30 ml)	0.001 pound
120 ml bottle	4 fl oz (120 ml)	0.0047 pound
1000 ml pack	1 qt 2 fl oz (1000 ml)	0.392 pound

EPA Reg. No. 69117-2 EPA Est. 69117-NE-1

Keep Out of Reach of Children WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals:

WARNING: May be fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes. Harmful if absorbed through the skin or inhaled. Avoid contact with skin or clothing. Prolonged or frequently repeated exposure may cause allergic skin reactions in some individuals. Avoid breathing vapors.

FIRST AID

If Swallowed: Immediately give one or two glasses of water and induce vomiting by gently touching back of the throat with finger. Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting or give anything by mouth to an unconscious person.

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.

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 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.

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

Note to Physician: Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness) and muscle tremors. Toxicity following accidental ingestion of this product can be minimized by inducing vomiting within one half hour of exposure. If toxicity from exposure has progressed to cause severe vomiting the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given along with other required supportive measures (such as maintenance of blood pressure levels) as indicated by clinical signs, symptoms and measurements. In severe cases, observations should continue for at least several days until the clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin exposure.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category B on an EPA chemical resistance category selection chart. Applicators and Other Handlers Must Wear: Long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate or butyl rubber > 14 mils; shoes plus socks; protective eyewear. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables are given, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: Thoroughly wash with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water. 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 crops. Apply only as a post-bloom application.

NOTICE

This product contains a chemical (N-methyl pyrrolidone) known to the state of California to cause birth defects or other reproductive harm.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

GENERAL INFORMATION

Do Not Inject Food Bearing Plants (including non-bearing growth stages).

ARBORSYSTEMS™ DIRECT-INJECT™ TREE INJECTION SYSTEMS

The ArborSystems Direct-Inject™ Tree Injection Systems are easy to use. Most trees can be treated in as little as five minutes or less, allowing applicators to treat trees quickly. There is no need to wait for absorption (translocation). Chemical is injected into the cambial area of the tree (the active vascular system) and held inside by the self-sealing WedgeCheks™. 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 these systems minimize wounding and promote long-term tree vigor.

INDICATIONS

As a preventative, apply in the early spring post-bloom prior to insect activity in the tree. As a curative, apply as needed spring through fall, provided the bark is pliable enough to accept the chemical injections. Pest control is anticipated to last a typical growing season, although it may be recommended to inject the plants one or two times per year or more often under severe and repeated pest pressure. This product has been evaluated for phytotoxicity on a wide range of ornamental plants. However, since all ornamental plants have not been tested, it is recommended that one plant be treated first to make certain that no phytotoxicity occurs. Do not use on sick plants or plants weakened by extreme environmental conditions such as heat, flooding, cold, etc.

INDICATIONS

Indicated for the treatment of woody trees and shrubs for the control of:

- Elm Leaf Beetles
- Lace Bugs
- Leaf Miners
- Mites
- Pine Wilt (Pine Nematodes)

DOSAGE

Pine Wilt: 4-6 ml every 4" of trunk circumference measured within 12" of the ground.

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

Dosage may be increased to 2 ml per injection site for trees with diameters over 12" or with challenging insect infestations.

Note: Depending on type of bark, the dosage per injection site may have to be reduced to 0.5 to 1 ml per site and the number of injection sites doubled.

HOW TO USE ARBORSYSTEMS™ DIRECT-INJECT™ CHEMICALS WITH ARBORSYSTEMS™ DIRECT-INJECT™ TREE INJECTION UNITS

1. Use only ArborSystems' Direct-Inject™ chemicals with your Unit as they have been formulated specifically for the Direct-Inject™ systems. Use of other chemicals will invalidate warranty.
2. Attach the chemical bottle or 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 on this insert 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 injections within 12" of the ground.
7. With a smooth motion, firmly squeeze the Injection Unit trigger or handles. This releases a pre-measured chemical dose to the tree.
8. Slowly withdraw the Injection Tip. The Wedge™ WedgeChek plugs the hole, keeping the chemical in 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 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:** Bottles: Triple rinse (or equivalent) then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill; or by incineration; or if allowed by local authorities, by burning; if burned stay out of smoke. Chemical Packs: Return the used 1 qt 2 fl oz (1000 ml) chemical pack to ArborSystems, in the provided pre-paid mailer, for disposal. If not returned, completely empty bag into application equipment, then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning; if burned stay out of smoke.

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.

For assistance contact



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www.ArborSystems.com

Greyhound™ Insecticide, Wedge™ Direct Inject™, Wedge™ Tip and WedgeChek™ are trademarks of ArborSystems. Wedge™ Tip is protected by U.S. Patent #5,239,773.

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