



**INTRA**

**Section 24(c) Special Local Need Label**

**FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF INDIANA**

**TREE-äge™**

**EPA SLN No. IN-080001**

**For control of Emerald Ash Borer in Ash Trees (*Fraxinus spp.*),  
Tree Injection Only**

|                                |        |
|--------------------------------|--------|
| Active Ingredient:             |        |
| Eamectin Benzoate <sup>1</sup> | 4.0%   |
| Other Ingredients:             | 96.0%  |
| Total:                         | 100.0% |

<sup>1</sup>CAS No.155569-91-8

**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.)

See additional precautionary statements and directions for use on label and in in booklet

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL  
MAY RESULT IN POOR INSECT CONTROL, AND/OR CROP INJURY.**

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## PRECAUTIONARY STATEMENTS

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### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- chemical resistant gloves (Category C) such as barrier laminate, butyl rubber >14 mils, nitrile rubber >14 mils, or neoprene rubber >14 mils.
- shoes and socks
- protective eyewear

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## DIRECTIONS FOR USE

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

Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the TREE-äge container label.

This label must be in the possession of the user at the time of pesticide application.

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## APPLICATION TO ASH TREES (*Fraxinus* spp.)

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TREE-äge is for control of emerald ash borer on ash trees growing in residential and commercial landscapes, parks, plantations, right of ways, seed orchards, and forested sites (in private, municipal, state, tribal and national areas). TREE-äge contains the active ingredient emamectin benzoate and is formulated to translocate in the tree's vascular system when injected. To assure optimum effectiveness, this product must be placed into active sapwood.

### WHEN TO TREAT

TREE-äge contains the active ingredient emamectin benzoate which is a glycoside insecticide. It is active against larva and adult Emerald Ash Borer. The primary route of toxicity is through ingestion, but may also be lethal upon contact.

**ENVIRONMENTAL CONDITIONS:** Uptake of TREE-äge is dependent upon the tree's transpiration. Transpiration is dependent on a number of abiotic and biotic factors, such as soil moisture, soil and ambient temperature, and time of day. For optimal uptake, apply when soil is moist, soil temperatures are above 45°F, ambient temperatures are between 40° to 90°F, and during the 24 hour period when transpiration is greatest, typically before 2:00 PM. Applications to drought or heat stressed trees may result in injury to tree tissue, poor treatment and subsequent control. Watering the trees prior to injection may enhance the uptake of TREE-äge.

**MONITOR TREE HEALTH and PEST INFESTATIONS:** Effective injection treatment is favored by a full canopy (i.e., leaves) and healthy vascular system. Once these tissues are compromised by arthropod damage (larval galleries, defoliation, leaf mining, etc.) an effective and uniform application of TREE-äge may be difficult to achieve and subsequent control may be poor. Optimally, treatment should be made preventively at least 2 to 3 weeks before Emerald Ash Borer historically infest the host tree. As a result of systemic movement and longevity of TREE-äge in trees, this interval may be extended much earlier to 6 months should tree dormancy, adverse weather, management, asynchronous life cycle of pests, etc., allow earlier application timing.

TREE-äge may also be effective as a curative treatment against Emerald Ash Borer. Adult foliar feeding may be controlled within one month after treatment. During the larval stage, Emerald Ash Borer attacks the stem and branches and will disrupt vascular tissue that may result in poor

distribution of TREE-äge in an infested tree. However, control may be achieved if larvae come into contact or feed on TREE-äge treated tissues.

## USE

Use as formulated or dilute with equivalent 1 to 3 volumes of water or more, as necessary.

### USE RATE TABLE

| Tree Diameter<br>(DBH)<br>(Inches) | Low<br>ml./tree | Medium<br>ml./tree | Medium -<br>High<br>ml./tree | High<br>ml./tree | Average No.<br>Injection<br>Sites* |
|------------------------------------|-----------------|--------------------|------------------------------|------------------|------------------------------------|
| 4 to 6                             | 15              | 25                 | 50                           | -                | 3                                  |
| 7 to 9                             | 20              | 40                 | 80                           | -                | 4                                  |
| 10 to 12                           | 30              | 55                 | 110                          | 165              | 5                                  |
| 13 to 15                           | 35              | 70                 | 140                          | 210              | 6                                  |
| 16 to 18                           | 40              | 75                 | 150                          | 225              | 7                                  |
| 19 to 21                           | 50              | 100                | 200                          | 300              | 8                                  |
| 22 to 24                           | -               | 115                | 230                          | 345              | 10                                 |
| 25 to 27                           | -               | 130                | 260                          | 390              | 11                                 |
| 28 to 30                           | -               | 145                | 290                          | 435              | 12                                 |
| 31 to 33                           | -               | 160                | 320                          | 480              | 13                                 |
| 34 to 36                           | -               | 175                | 350                          | 525              | 15                                 |
| 37 to 39                           | -               | 190                | 380                          | 570              | 16                                 |
| 40 to 42                           | -               | 205                | 410                          | 615              | 17                                 |
| 43 to 45                           | -               | 220                | 440                          | 660              | 18                                 |
| 46 to 48                           | -               | 235                | 470                          | 705              | 20                                 |
| 49 to 51                           | -               | 250                | 500                          | 750              | 21                                 |
| 52 to 54                           | -               | 265                | 530                          | 795              | 22                                 |
| 55 to 57                           | -               | 280                | 560                          | 840              | 23                                 |
| 58 to 60                           | -               | 295                | 590                          | 885              | 25                                 |
| 61 to 63                           | -               | 310                | 620                          | 930              | 26                                 |
| 64 to 66                           | -               | 325                | 650                          | 975              | 27                                 |
| 67 to 69                           | -               | 340                | 680                          | 1020             | 28                                 |
| 70 to 72                           | -               | 355                | 710                          | 1065             | 30                                 |

\* The number of injection sites listed is a guide for approximately how many are needed per size of tree.

For optimal control, it is recommended to be with  $\pm 1$  injection site of this number per tree. Higher rates tend to provide longer residual and control of more difficult to control insects. See **Target Pest** for additional information in choosing the amount of product to apply.

## Applications in Trees

| <b>Tree Tissue to Protect</b>          | <b>Target Pest</b>                         | <b>Recommended Rate</b> | <b>Comments</b>   |
|--|--|-------------------------|---|
| Foliage, Shoot, Stem, Trunk and Branch | Emerald Ash Borer- Adult and Larval stages | Low to High             | For optimal control apply at least 30 days before historical egg hatch or adult flight and to trees whose vascular tissue is not damaged.<br><br>If vascular tissue is damaged or plugged by insect galleries, nematodes or fungi, uniform treatment and control may not be achieved. |

### **Compatibility**

Do not mix TREE-äge before injection with other products such as insecticides, fungicides, plant growth regulators, surfactants, adjuvants, and fertilizers.

### **RESTRICTIONS**

- Do not apply to trees that may yield food consumed by humans or used in animal feed.
- Avoid treating trees that are moisture stressed or suffering from herbicide damage.

TREE-äge™ trademark of Arborjet, Inc.

24(c) registrant:  
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