



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

July 18, 2017

Carolyn Miter  
Registrations Specialist  
Albaugh LLC  
P.O. box 2127  
Valdosta, GA 31604

Subject: Label Amendment – Updated WSP language  
Product Name: Imidacloprid 75WSP T&O  
EPA Registration Number: 42750-117  
Application Date: 20-April-2017  
Decision Number: 529738

Dear Ms. Miter:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Dee Colby by phone at 703-347-8657, or via email at [colby.deanna@epa.gov](mailto:colby.deanna@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "D. Colby" with a stylized flourish underneath.

Venus Eagle, Product Manager 01  
Invertebrate & Vertebrate Branch 3  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure: Stamped Label

# IMIDACLOPRID 75WSP T&O

Insecticide for foliar and systemic insect control in turfgrass (including sod farms), landscape ornamentals, listed fruit and nut trees and interior plantscapes.

## ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimin . . . . . 75.0%

OTHER INGREDIENTS: . . . . . 25.0%

TOTAL: . . . . . 100.0%

Keep water soluble packets in this container and store in a cool dry place but not below freezing (32 F)

Do not remove packets from container except for immediate use.

## KEEP OUT OF REACH OF CHILDREN.

## CAUTION

PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

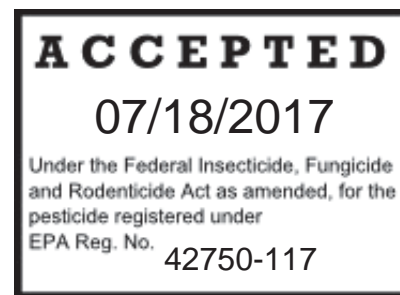
FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
IF IN EYES	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minute. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
In case of emergency call CHEMTREC toll free at 1-800-424-9300. Have a product container or label with you when calling a poison control center or, doctor, or going for treatment.	
Note to Physician: No specific antidote is available. Treat the patient symptomatically.	

EPA Reg. No. 42750-117

EPA Est. No. xxxxxx-xx-xxx

NET CONTENTS: 4 x 1.6 oz

Manufactured For:  
ALBAUGH, LLC  
1525 NE 36<sup>th</sup> St.  
ANKENY, IA 50021



For non-emergency questions for this product call Albaugh toll free at 1-800-247-8013.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor.

Applicators and Other Handlers Must Wear:

1. Long-sleeved shirt and long pants
2. Chemical resistant gloves made of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinylchloride (PVC) ≥14 mils or viton ≥14 mils
3. Shoes plus socks

Follow manufacturer's instructions for cleaning/ maintaining personal protective equipment, PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS STATEMENTS:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Water soluble packets, when used correctly, qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks and chemical-resistant gloves.

When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

Instructions for Using Water Soluble Packages Directly into Spray tanks:

Water Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs. WSPs, when used properly, qualify as a closed mixing/loading system under the Agricultural Worker Protection Standard [40 CFR 170.607(d)].

#### Handling Instructions

Follow these steps when handling pesticide products in WSPs.

1. Mix in spray tank only.
2. Handle WSP(s) in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on PPE required for clean-up and then continue with mixing instructions.
3. Keep the WSP(s) in outer packaging until just before use.
4. Keep the WSP dry prior to adding to the spray tank.
5. Handle with dry gloves and according to the label instructions for PPE.
6. Keep WSP intact. Do not cut or puncture WSP.
7. Reseal the WSP outer packaging to protect any unused WSP(s).

## Mixing Instructions

Follow the steps below when mixing this product, including if tank mixed with other pesticide products. If being tank mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products.

WSPs may, in some cases, be mixed with other pesticide products so long as the directions for use of all mixed products do not conflict. Do not tank mix this product with products that prohibit tank mixing or have conflicting mixing directions.

1. If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
2. Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
3. Stop adding water and stop any agitation.
4. Place intact/unopened WSP(s) into the tank.
5. Do not spray water from a hose or fill pipe to break or dissolve the WSP(s).
6. Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
7. Dissolving the WSP(s) may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
8. Stop agitation before tank lid is opened.
9. Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSPs have fully dissolved and the contents have been thoroughly mixed into the solution.
10. Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
11. Once the WSP have fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
12. Use the spray solution when mixing is complete.
13. Maintain agitation of the diluted pesticide mix during transport and application.
14. It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

### USER SAFETY RECOMMENDATIONS

User should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. Do not apply directly to water, or 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.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops, plants or weeds. Do not apply this product or allow it to drift to blooming crops, plants or weeds if bees are foraging the treatment area.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

## PROTECTION OF POLLINATORS



**APPLICATION RESTRICTIONS** EXIST FOR THIS PRODUCT BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS.



Look for the bee hazard icon in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

**This product can kill bees and other insect pollinators.**

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications
- Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product Take Steps To:

- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at:

<http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to:

[www.aapco.org/officials.html](http://www.aapco.org/officials.html). Pesticide incidents should also be reported to the National Pesticide Information Center at: [www.npic.orst.edu](http://www.npic.orst.edu) or directly to EPA at: [beekill@epa.gov](mailto:beekill@epa.gov)

## DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

See individual sites for specific pollinator protection application restrictions. If none exist under the specific site, for outdoor foliar applications, follow these application directions.



- Do not apply IMIDACLOPRID 75WSP T&O while bees are foraging.
- Do not apply IMIDACLOPRID 75WSP T&O to plants that are flowering.
- Only apply after all flower petals have fallen off.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical resistant gloves made of: barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, natural rubber  $\geq 14$  mils, polyethylene, polyvinylchloride (PVC)  $\geq 14$  mils or viton  $\geq 14$  mils
- Shoes plus socks

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT with-in the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets off treated area until dry.

RESTRICTION: Do not formulate this product into other end-use products.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

PESTICIDE STORAGE: Keep pesticide in original container. Keep container tightly closed when not in use. Protect from excessive heat. Store in a cool, dry place.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose of empty container in a sanitary landfill or by incineration.

**APPLICATION TO TURFGRASS**

IMIDACLOPRID 75WSP T&O will control the following soil inhabiting pests found in turfgrass

PEST	SCIENTIFIC NAME
Northern & Southern masked chafers	<i>Cyclocephala borealis, C. immaculata, and/or C. lurida</i>
Asiatic garden beetle	<i>Maladera castanea</i>
European chafer	<i>Rhizotroqus majalis</i>
Green June beetle	<i>Cotinis nitida</i>
May or June beetle	<i>Phyllophaga spp.</i>
Japanese beetle	<i>Popilliajaponica</i>
Oriental beetle	<i>Anomala orientalis</i>
Billbugs	<i>Spherophorus spp.</i>
Annual bluegrass weevil	<i>Hyperodes spp.</i>
Black turfgrass ataenius	<i>Ataenius spretulus and Aphodius spp</i>
European Crane Fly	<i>Tipula paludosa</i>
Mole crickets	<i>scapteriscus spp.</i>

IMIDACLOPRID 75WSP T&O will suppress cutworms and chinch bugs.

IMIDACLOPRID 75WSP T&O can be applied on turfgrass in the following sites:

- |                                    |                 |
|------------------------------------|-----------------|
| Home lawns                         | Cemeteries      |
| Business and office complexes      | Parks           |
| Shopping complexes                 | Playgrounds     |
| Multi-family residential complexes | Athletic fields |
| Golf courses                       | Sod farms*      |
| Airports                           |                 |

IMIDACLOPRID 75WSP T&O has adequate residual activity that applications can be made preceding the egg laying activity of the target pests.

Best control is achieved when applications are made prior to egg hatch of the pests and when rainfall or irrigation after application will penetrate vertically in the soil column carrying the active ingredient into the zone where insects are normally located. In order to move the active ingredient through the thatch, irrigate if rainfall does not occur within 24 hours after application.

Apply 1.6 ounces (1 packet per 8,250 to 11,000 sq ft). Make application prior to egg hatch of grubs,



billbugs, annual bluegrass weevil, and European Crane Fly to maximize control.

For chinch bugs (suppression) and mole crickets apply 1.6 ounces (1 packet) per 8,250 sq. ft. For suppression of chinchbugs, make application before the hatching of the first instar nymphs.

For control of mole crickets make application before or during the peak egg hatch period. If adults or large nymphs are actively tunneling, combine applications of IMIDACLOPRID 75WSP T&O with a remedial insecticide. Follow label instructions for other insecticides when tank-mixing.

Consult your local turf, state Agricultural Experiment Station, or State Extension Service Specialists for more specific Information regarding timing of application.

#### Application Equipment for Use on Turfgrass

Dilute IMIDACLOPRID 75WSP T&O with enough water to provide adequate volume to promote thorough distribution into the pest zone. Use only accurately calibrated equipment for application to turfgrass. Apply a uniform, coarse droplet spray, using a low pressure setting to eliminate off target drift. Perform calibration on a regular basis to ensure that equipment is distributing product properly.

#### RESTRICTIONS FOR TURF GRASS:

- Do not exceed a total of 8.6 ounces application (0.4 lb of active ingredient) per acre per year.
- Do not allow this product to contact plants in bloom if bees are foraging in the treatment area.
- Do not mow turf or lawn area, until after adequate irrigation or rainfall has occurred.
- Keep people and pets off treated area until dry.
- Not for use on grasses grown for seed, or on commercial fruit and nut trees.
- Do not graze treated areas or use clippings from treated areas for feed or forage.
- Do not apply through any irrigation system
- Do not apply to areas which are water logged or saturated, which will not allow penetration into the root zone of the plant.
- Use not permitted in Arizona unless otherwise directed by state 24(c) labeling.

#### APPLICATION TO ORNAMENTALS

IMIDACLOPRID 75WSP T&O can be applied to ornamental plants in commercial and residential landscapes and interior plantscapes. IMIDACLOPRID 75WSP T&O is a systemic insecticide that is transported within the plant system from the roots to upper foliage. IMIDACLOPRID 75WSP T&O must be applied into a growing area of the plant that allows absorption of the active ingredient. Adding soluble nitrogen type fertilizers to the spray solution when appropriate can promote the uptake of the active ingredient.

Application can be made by foliar application or soil applications; including soil injection, drenches, and broadcast sprays. Foliar applications offer locally systemic activity against listed insect pests.

The systemic translocation of active ingredient will be slower when applied to woody plants with soil applications. This delay can take 60 days or longer depending on species and size of plant. To offset this, make applications before anticipated pest infestation.

#### ANT MANAGEMENT PROGRAMS

Using IMIDACLOPRID 75WSP T&O to control aphids, scale insects, mealybugs and other sucking pests on ornamentals will reduce ant populations because it removes honeydew as a food source. To enhance control of ants, supplement with residual sprays, bait placements or other ant control tactics.

#### APPLICATION EQUIPMENT FOR FOLIAR APPLICATIONS

IMIDACLOPRID 75WSP T&O mixes readily with water and may be used in many types of application

equipment. Add a commercial spreader/sticker promote coverage on hard to wet foliage such as holly, pine, or ivy.

IMIDACLOPRID 75WSP T&O is compatible with many commonly used fungicides, miticides, liquid fertilizers, and other insecticides. If applicator has no prior experience with a particular tank mix; check physical compatibility by making a small clear jar test using correct proportions of products to be tank mixed.

#### RESTRICTIONS FOR ALL ORNAMENTALS:

- Keep people and pets off treated area until dry.
- Do not apply more than 8.6 ounces (0.4 lb of active ingredient) per acre per year.
- Not for use in commercial greenhouses, nurseries, or on grasses grown for seed, or on commercial fruit and nut trees.
- Do not apply through any irrigation system
- Do not apply to areas which are water logged or saturated, which will not allow penetration into the root zone of the plant.
- Do not apply this product, by any application method, to linden, basswood or other *Tilia* species
- Do not allow puddling of irrigation water following application.

#### FOR FOLIAR APPLICATION TO ORNAMENTAL AND NON-BEARING FRUIT & NUT TREES, SHRUBS, EVERGREENS, FLOWERS, FOLIAGE PLANTS, GROUNDCOVERS AND INTERIOR PLANTSCAPES

(Only for Industrial, Commercial Buildings, Residential and Landscaped Areas)

#### TO CONTROL:

Adelgids	Mealybugs
Aphids	Planthoppers
Honeylocust Plant Bug	Psyllids
Diptera (Including Rhododendron gall midge, Honeylocust pod gall midge)	Sawfly larvae
Froghoppers	Scales (Including Lecanium, Azalea bark, Calico, Cottony Camellia, Cottony maple, Cottony taxus)
Galls (Including Hickory stem gall)	Spittlebugs
Japanese beetles	Thrips (suppression) (Including Flower, Pear and Pine thrips)
Lace bugs	Treehoppers
Leaf beetles (Including elm and viburnum leaf beetles)	Weevils (Including white Pine and Black vine)
Leafhoppers (Including glassy-winged sharpshooter)	Whiteflies
Leafminers (Including Boxwood leafminer)	

Apply 1.6 ounces (1 packet) of Imidacloprid 75WSP T&O per 300 gallons of water. Make foliar applications before high pest populations become established. Reapply on an as needed basis.

To control White grub larvae, (such as Japanese beetle larvae, Chafers, Phyllophaga spp. Asiatic garden beetle, Oriental beetle) apply 1.6 ounces (1 packet) per 8,250 to 11,000 sq ft.

Make broadcast applications by mixing specified rate in enough water to uniformly cover the treated area. Do not use less than 2 gallons of water per 1000 sq ft. If necessary, irrigate thoroughly to incorporate IMIDACLOPRID 75WSP T&O into the upper soil profile.

Refer to use directions specific for FLOWERS and GROUND COVERS concerning additional use directions.

#### RESTRICTIONS:

- Do not apply more than 8.6 ounces (0.4 lb of active ingredient) per acre per year.
- Do not apply this product, by any application method, to linden, basswood or other *Tilia* species

FOR SOIL APPLICATION TO ORNAMENTAL AND NON-BEARING FRUIT & NUT TREES,  
SHRUBS, FLOWERS AND GROUNDCOVERS  
(Only For Industrial, Commercial Buildings, Residential, and Landscaped Planting Areas)  
(Including State, National, and Private Wooded and Forested Areas)

TO CONTROL:

Adelgids	Leafminers
Aphids	Mealybugs
Armored scales (suppression)	Pine tip moth larvae
Black vine weevil larvae	Plant bug
Eucalyptus longhorned borer	Psyllids
Flatheaded borers (including bronze, alder and emerald ash borers)	Roundheaded borers (including Asian longhorned beetles)
Japanese beetles	Royal Palm Bugs
Lace bugs	Sawfly larvae
Leaf beetles (including elm and viburnum leaf beetles)	Soft scales
Leafhoppers (including glassywinged sharpshooter)	Thrips (suppression)
	White grub larvae
	Whiteflies

For TREES –

Use the following rates as a function of tree diameter at breast height (DBH):

Apply 1.6 ounces (1 packet) of Imidacloprid 75WSP T&O per 12 to 48 inches of cumulative trunk diameter for tree(s) intended to be treated.

You may use the higher rate only for trees greater than 15 DBH to control the following pests:

Asian longhorned beetle  
Emerald Ash Borer  
Eucalyptus longhorned borer  
Bronze birch borer  
Alder borer

To calculate the higher rates divide the cumulative trunk diameter by 12-23 inches.

EXAMPLES OF HOW TO CALCULATE:

To calculate the lower rate:

- If you have three trees having DBH of 8, 10 & 14 inches, the total cumulative inches of trunk diameter will be 34 inches (8 + 10 + 16 = 34)

$$\frac{34}{48} = .708 \times 1.6 \text{ fl. oz (1 packet)} = 1.13 \text{ oz per tree}$$

OR

$$34/24 = 1.417 \times 1.6 \text{ fl. oz. (1 packet)} = 2.27 \text{ oz per tree}$$

- If you have a single tree with a DBH of 12 inches, the lower rate range will be:

$$12/48 = 0.25 \times 1.6 \text{ oz (1 packet)} = 0.4 \text{ oz per tree}$$

OR

$$12/24 = 0.5 \times 1.6 \text{ oz (1 packet)} = 0.8 \text{ oz per tree}$$

To calculate the higher rate:

- If you have three trees having DBH of 15, 20 & 25 inches, the total cumulative inches of trunk diameter will be 60 inches (15 + 20 + 25 = 60)

$$60/23 = 2.6 \times 1.6 \text{ fl. oz (1 packet)} = 4.17 \text{ oz per tree}$$

OR

$$60/12 = 5 \times 1.6 \text{ fl. oz. (1 packet)} = 8 \text{ oz per tree}$$

- If you have a single tree with a DBH of 30 inches, the higher rate range will be:

$$30/23 = 1.3 \times 1.6 \text{ oz (1 packet)} = 2.08 \text{ oz per tree}$$

OR

$$30/12 = 2.5 \times 1.6 \text{ oz (1 packet)} = 4.0 \text{ oz per tree}$$

RESTRICTION: Do not apply more than 8.53 oz (.4 lb of active ingredient) per acre per year.

Diameter at Breast Height (D.B.H.) = is measured at 4.5 feet from the ground.

#### APPLICATION TECHNIQUE:

##### SOIL INJECTION:

Mix required dosage in sufficient water to inject an equal amount of solution in each hole. For concentrate injectors mix required dose with up to 1 gallon of water per DBH inch. Maintain a low pressure and use sufficient solution for distribution of the liquid into treatment zone. Dilution rate may vary depending on equipment used, tree size and application rate. Refer to the instructions for injector equipment being used for guidance.

- GRID SYSTEM: Make applications in a grid pattern on 2.5 foot centers within the drip line of the tree.
- CIRCLE SYSTEM: Make applications in holes evenly spaced approximately 2 – 3 feet apart in a circle within the drip line of the tree. Larger trees may require additional application circles.
- BASAL SYSTEM; Make applications into holes evenly spaced around the base of the tree trunk no more than 6 to 12 Inches out from the base.

##### SOIL DRENCH:

Apply in no less than 10 gallons of water per 1000 square feet as a drench around the base of the tree, directed to the root zone. Any plastic or other barrier that may prevent drench solution from reaching the root zone must be removed.

##### FOR ALL APPLICATION TECHNIQUES:

- Inject an equal amount of water and solution in each hole.
- Use low pressure and sufficient solution for thorough distribution into the treatment zone.
- Maintain soil moisture for 7 to 10 days.
- Application to trees already heavily infested with borers listed may not prevent the eventual loss of the trees.

#### RESTRICTIONS FOR TREES:

- Do not use less than 4 holes per tree.
- No Soil Injection Applications Allowed In Nassau or Suffolk Counties of New York.
- Do not apply more than 8.53 oz (.4 lb of active ingredient) per acre per year.
- Do not apply this product, by any application method, to linden, basswood or other *Tilia* species

#### For SHRUBS –

Apply 1.6 ounces (1 packet) of Imidacloprid 75WSP T&O per 24 to 48 foot of cumulative shrub height.

#### APPLICATION TECHNIQUES:

##### SOIL INJECTION:

Apply to individual plants using dosage Indicated.

##### SOIL DRENCH:

Uniformly apply the dosage in no less than 10 gallons of water per 1000 square feet as a drench around the base of the tree, directed to the root zone. Remove plastic or any other barrier that will stop solution from reaching the root zone.

- Mix required dosage in sufficient water to inject an equal amount of solution in each hole.
- Use low pressure and sufficient solution for distribution of the liquid into the treatment zone.
- Maintain soil moisture for 7 to 10 days.

#### RESTRICTIONS FOR SHRUBS:

- Do not use less than 4 holes per shrub.
- No Soil Injection Applications Allowed In Nassau or Suffolk Counties of New York.
- Do not apply more than 8.53 oz (.4 lb of active ingredient) per acre per year.

#### For FLOWERS and GROUNDCOVERS -

Apply 1.6 ounces (1 packet) of Imidacloprid 75WSP T&O per 8,250 to 11,000 sq ft.

Apply as a broadcast treatment and incorporate into the soil before piling or apply after plants are established. If application is made to established plants, best control is achieved by irrigating after application.



## POME FRUITS (For Residential Areas Only)

Includes: Apple, Crabapple, Loquat, Mayhaw, Pear, Pear (oriental), Quince

### TO CONTROL:

Aphids (except Woolly apple aphid)  
Leafhoppers (including glassy-winged sharpshooter)

Leafminer  
Mealybugs  
San Jose Scale

Apply 1.6 ounces (1 packet) per 300 gallons of water OR 2.1 ounces per acre<sup>1</sup> as foliar spray after petal-fall is complete.

- For control of rosy apple aphid, apply prior to leafrolling caused by the pest.
- For first generation leafminer control, make first application as soon as petal fall is complete. Greatest leafminer control will result from the earliest possible application. For second and succeeding generations of leafminer, optimal control is obtained from applications made early in the adult flight against egg and early instar larvae. A second application may be required 10 days later if severe pressure continues or if generations are overlapping a single application may result in suppression only. IMIDACLOPRID 75WSP T&O will not control late stage larvae.
- For San Jose Scale, time applications to the crawler stage. Treat each generation.
- For late season (preharvest) control of leafhopper species, apply IMIDACLOPRID 75WSP T&O while most leafhoppers are in the nymphal stage.
- For optimal control of mealybug, insure good spray coverage of the trunk and scaffolding limbs or other resting sites of the mealybug.

### RESTRICTIONS FOR RESIDENTIAL POME FRUITS:

- Do not apply more than 2.1 ounces per acre in a single application.
- Do not make more than 4 applications per year.
- Allow 10 or more days between applications.
- Allow at least 7 days between last application and harvest.
- Not for use in California for control on pears.
- Do not apply pre-bloom or during bloom or when bees are foraging.

<sup>1</sup> The amount of Imidacloprid 75WSP T&O required per acre depends on tree size and/or volume of foliage. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees with full foliage.



## PECAN (For Residential Areas Only)

### TO CONTROL:

Yellow pecan aphid  
Pecan spittlebug  
Black margined aphid

Pecan stem phylloxera  
Pecan leaf phylloxera

Apply 1.6 ounces (1 packet) per 300 gal

OR

2.1 ounces per acre as a foliar application as pest pressure begins to increase.<sup>1</sup>

Make a second application 10 to 14 days after first if field scouting reveals continued pest pressure. Use of an organosilicone based spray adjuvant at specified rate can insure thorough coverage of foliage.

### RESTRICTIONS FOR RESIDENTIAL PECAN TREES:

- Do not apply more than a total of 6.3 ounces of IMIDACLOPRID 75WSP T&O per acre per year.
- Use on pecans not permitted in California unless directed by specific supplemental labeling.
- Do not make more than 3 applications per year.
- Allow 10 or more days between applications.
- Do not apply pre-bloom or during bloom or when bees are foraging.

<sup>1</sup> The amount of Imidacloprid 75WSP T&O required per acre may vary and depends on tree size or volume of foliage. The rates given are based on a standard of 400 gallons of dilute spray solutions per acre for large trees with full foliage. DO NOT apply more than 6.3 fluid ounces of Imidacloprid 75 T&O per acre per year.

## GRAPES

(For Use Only For Industrial, Commercial Buildings and Residential Planting Areas)

### TO CONTROL:

Leafhoppers (including glassy-winged sharpshooter)  
Mealybugs

Apply 1.6 ounces (1 packet) per 300 gallons of water

OR

1.0 ounces per acre as a foliar spray using 200 gallons of water per acre.

### RESTRICTIONS FOR RESIDENTIAL GRAPES:

- Do not apply more than a total of 2.0 ounces of IMIDACLOPRID 75WSP T&O per acre per year.
- Allow at least 14 days between applications.
- Applications may be applied up to and including day of harvest.

## CONDITIONS OF SALE AND WARRANTY

The DIRECTIONS FOR USE of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of ALBAUGH, LLC, its Supplemental Distributors, or the Seller. To the extent consistent with applicable law, All such risks shall be assumed by the Buyer.

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