

42750-113

02/23/2006

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs

Registration Division (H7505C)

401 "M" St., S.W.

Washington, D.C. 20460

EPA Reg.

Number:

42750-113

Date of Issuance:

FEB 23 2006

Term of Issuance: Conditional

Name of Pesticide Product:

Imidacloprid 2FL GH

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mr. Morris Gaskins
Albaugh, Inc.
P.O. Box 2127
304 Janet Street, Suite H
Valdosta, GA 31604

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A). Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3)(c)(2)(B).

1. Revise the EPA Registration Number to read, "EPA Reg. No. 42750-113".

Signature of Approving Official:

Dani Daniel
Insecticide-Rodenticide Branch
Registration Division (7505C)

Date:

FEB 23 2006

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2. Submit two copies of your final printed labeling before you release the product for shipment.

A stamped copy of the label is enclosed for your records. If you have any questions regarding this notice, please contact me at (703) 305-5409.

Enclosure:

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IMIDACLOPRID 2FL GH

Greenhouse and Nursery Insecticide

For foliar and systemic insect control on ornamentals, fruit and nut trees, and vegetable plants in greenhouses, nurseries, and interior plantscapes.

ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimin. 21.4%

OTHER INGREDIENTS: 78.6%

TOTAL: 100.0%

Contains 2 pounds of Imidacloprid per gallon

SHAKE WELL BEFORE USING

STOP - Read the label before 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"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
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-xx
NET CONTENTS:

EPA Est. No. xxxxxx-xx-xxx

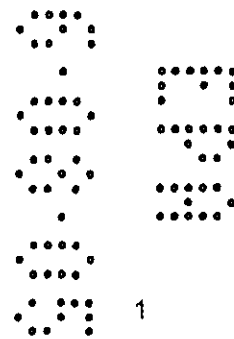
ACCEPTED
with COMMENTS
In EPA Letter Dated:

FEB 23 2006

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.

42750-1B

Manufactured For:
ALBAUGH, INC.
ANKENY, IA 50021



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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Keep children or pets off treated area until spray is dry.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC) or viton
3. Shoes plus socks

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

ENGINEERING CONTROLS

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.

Important: 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 breakdown.

USER SAFETY RECOMMENDATIONS

USER SHOULD:

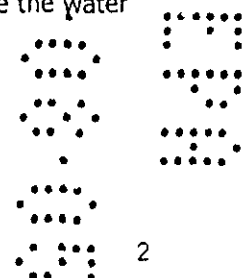
1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as 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 or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting 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.



STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statement on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

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: 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 State and local authorities, by burning. If burned, stay out of the smoke.

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.

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 following application. Earlier entry by exception.

Exception: If the product is drenched, soil-injected or soil-incorporated, workers may enter the treated area at any time 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:

1. Coveralls
2. Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC) or viton
3. Shoes plus socks

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

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RESTRICTIONS

- Do not graze treated areas or use clippings for treated areas for feed or forage.
- Avoid runoff or puddling of irrigation water following application.
- Do not apply IMIDACLOPRID 2FL GH to soils which are water logged or saturated, which will not allow penetration into the root zone of the plants.
- Do not allow leachate run out for the first 10 days after application to allow full plant uptake of the active ingredient.
- For outdoor ornamentals grown in beds or turf, applications of IMIDACLOPRID 2FL GH cannot exceed a total of 1.6 pt (0.4 lb of active ingredient) per acre per year.
- Food Crops: Treated areas may be replanted with any crop specified on an imidacloprid label, or with any crop for which a tolerance exists for the active ingredient.
- For crops not listed on an imidacloprid label, or for crops for which no tolerances for the active ingredient have been established, a 12 month plant-back interval should be observed.

APPLICATION TO ORNAMENTALS AND VEGETABLE PLANTS

Apply IMIDACLOPRID 2FL GH to control labeled insects on ornamental and vegetable plants in nurseries and greenhouses and interior landscapes.

IMIDACLOPRID 2L T&O is a systemic insecticide that is transported within the plant system from the roots to upper foliage. IMIDACLOPRID 2L 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, chemigation and broadcast sprays.

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.

For outdoor ornamentals, broadcast applications cannot exceed a total of 1.6 pints (0.4 lb. of active ingredient) per acre per year.

Bark Media: Media with 30% or more bark content may confer a shorter period of protection when treated with IMIDACLOPRID 2FL GH.

RESISTANCE: Some species of insects can develop resistance to neonicotinoid class insecticides such as imidacloprid after repeated use. Use this product with resistance management strategies established for the use area. Consult your Cooperative Extension Service for resistance management strategies.

Application Equipment for Ornamentals and Vegetable Plants

IMIDACLOPRID 2FL GH 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. If concentrate or mist type spray equipment is used, an equivalent amount of product should be used on the area sprayed, as would be used in a dilute application.

IMIDACLOPRID 2L 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, physical compatibility should be checked by making a small clear jar test using correct proportions of products to be tank mixed.

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APPLICATION THROUGH IRRIGATION SYSTEMS

The normal dilution ratio is 1:100 to 1:200, depending on the design of the system. Meter the product into the irrigation water during the first part of the irrigation cycle. The product may be mixed separately prior to injection. Agitation may be necessary if the mixture is allowed to stand more than 24 hours.

Remove scale, pesticide residue and other foreign matter from the tank and entire Irrigation system.

Apply IMIDACLOPRID 2FL GH only through micro irrigation (individual spaghetti tubes), drip irrigation, overhead irrigation, ebb and flood, or hand-held or motorized calibrated irrigation equipment.

Do not apply this product through any other type of irrigation system. Crop injury or lack of effectiveness can result from non uniform distribution of treated water.

If you have any questions about calibration, contact your State Extension Service specialist, equipment manufacturers or other experts in this area.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or a person who is under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

SAFETY DEVICES FOR IRRIGATION SYSTEMS CONNECTED TO PUBLIC WATER SUPPLIES:

If the source of water for your irrigation system is a public water supply, follow the instructions below:

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

SAFETY DEVICES FOR IRRIGATION SYSTEMS NOT CONNECTED TO A PUBLIC WATER SUPPLY.

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where the pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of material that is compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

APPLICATION TO GRASSY AREAS IN NURSERIES

IMIDACLOPRID 2FL GH will control soil inhabiting pests of grassy areas of nurseries, such as:

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

IMIDACLOPRID 2FL GH will suppress cutworms and chinchbugs.

Use IMIDACLOPRID 2FL GH as labeled on nursery grass in sites such as under or around field or container grown plants, on roadways or other grassy areas in or around nurseries.

Do not use IMIDACLOPRID 2FL GH on commercial sod farms.

IMIDACLOPRID 2L 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. Sufficient irrigation or rainfall is required to move the active ingredient through the thatch.

Avoid application when infested turfgrass areas are waterlogged or soil beneath turf is saturated with water. These conditions prevent thorough and consistent distribution. Best results are achieved 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.

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Application cannot exceed a total of 1.6 pints (0.4 lb. of active ingredient) per acre per year.

Application Equipment for Use on Grassy Areas in Nurseries

IMIDACLOPRID 2L T&O should be diluted 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. Calibration should be performed on a regular basis to ensure that equipment is distributing product properly.

GRASSY AREAS OF FIELD & FOREST NURSERIES

To control larvae of:

Annual bluegrass weevil
Green June beetle
Asiatic garden beetle
Japanese beetle
Billbug
Northern masked chafer

Black turfgrass atenioides
Oriental beetle
Cutworms (suppression)
Phyllophaga spp.
European chafer
Southern masked chafer

Apply 19.2 to 25.6 fluid ounces per acre (equivalent to 0.46 to 0.6 fl oz per 1000 sq ft). Make application prior to egg hatch of grubs, billbugs, and annual bluegrass weevil to maximize control.

For chinch bugs (suppression) and control of mole crickets apply 25.6 fluid ounces per acre (equivalent to 0.6 fl oz per 1000 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, IMIDACLOPRID 2L T&O application should be combined with a curative 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.

Notes and Restrictions for Turf Grass:

- Irrigation or rainfall should occur within 24 hours after application to move the active ingredient through the thatch.
- Do not apply more than 1.6 pt (0.4 lb of active ingredient) per acre per year.
- Avoid mowing turf or lawn area, until after adequate irrigation or rainfall has occurred.

ORNAMENTALS

For foliar and systemic insect control in and around field-grown nursery and containers stock, indoor and outdoor ornamentals (including both greenhouse and interior plantscapes) and ornamentals grown in flats benches or beds.

Use Sites: TREES (INCLUDING NON-BEARING FRUIT AND NUT), SHRUBS, EVERGREENS, FLOWERS, FOLIAGE PLANTS, GROUND COVERS, INTERIOR PLANTSCAPES AND VEGETABLE PLANTS*

To control Adelgids, Leafminers, Aphids, Mealybugs, Japanese beetles (adults), Sawfly larvae, Lacebugs, Thrips (suppression), Leaf beetles (including elm & viburnum leaf beetles, Whiteflies, Leafhoppers (including glassy-winged sharpshooter) apply 1.7 fluid ounces per 100 gallons of water.

Make foliar applications before pest exceeds economic threshold. For resistance management do not make a foliar application after a soil application in the same crop.

To control White grub larvae (such as Japanese beetle larvae, Chafers, *Phyllophaga* spp. Asiatic garden beetle, Oriental beetle) apply 0.45 to 0.6 fluid ounces per 1000 square feet.

Mix in sufficient water and apply as a broadcast application. Do not use less than 2 gallons of water per 1000 square feet. For best control, irrigate after application to move IMIDACLOPRID 2FL GH into the upper soil profile.

Refer to REMARKS section for use directions specific for "Flowers and Ground Covers" concerning additional use directions.

* Only for use on vegetable plants intended for resale including: Broccoli, Chinese Broccoli, Broccoli Raab, Brussels Sprouts, Cabbage, Chinese Cabbage, Cauliflower, Collards, Eggplant, Ground Cherry, Kale, Kohlrabi, Lettuce, Mustard Greens, Pepinos, Peppers, Potatoes, Rape Greens, Sorghum, Sugarbeets, Tomatillo, and Tomato.

RECOMMENDED APPLICATIONS FOR NURSERY, GREENHOUSE AND INTERIORESCAPE PLANTS

To control:

Adelgids	sharpshooter)
Aphids	Leafminers Mealybugs
Armored scales (suppression)	Pine Tip moth larvae
Black vine weevil larvae	Psyllids
Eucalyptus longhorned borers	Royal palm bugs
Flatheaded borers (including bronze birch and alder borers)	Sawfly larvae
Japanese beetles (adults) Lacebugs	Soft scales
Leaf beetles (including elm and viburnum leaf beetles)	Thrips (suppression)
Leafhoppers (including glassy-winged	White grub larvae
	Whiteflies

For TREES, apply 0.1 to 0.2 fl oz (3 to 6 mL) per inch of trunk diameter (D.B.H.).

Application Technique:

Soil Injection

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.

NOTE: Application to trees already heavily infested with borers listed may not prevent the eventual loss of the

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For SHRUBS apply 0.1 to 0.2 fl oz (3 to 6 mL) per foot of 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.

For FLOWERS and GROWDCOVERS apply 0.45 to 0.6 fluid ounces (13 to 17 mL) per 1000 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.

EBB & FLOOD APPLICATION

IMIDACLOPRID 2FL GH may be applied through Ebb and Flood applications.

Before making applications select at least 10 plants in same size pots and water to media's absorbent capacity. Then allow them to dry for 1 or 2 days then re-water back to capacity noting how much water is required on a per plant basis. Use that amount multiplied times total number of plants being treated to calculate total volume of water required to flood smallest treatment area. Unused treatment water should be returned to storage tank for used at next treatment.

To control:

Adelgids
Aphids
Armored scales (suppression)
Fungus Gnats (larvae only)¹
Japanese beetles (adults)
Lacebugs
Leaf beetles (including elm and viburnum leaf beetles)
Leafhoppers (including glassy-winged sharpshooter)
Leafminers Mealybugs

Mealy bugs
Psyllids
Root mealybugs²
Root Weevil Complex (such as Apopka Weevil, Black Vine Weevil, Citrus Root Weevil³)
Soft scales
Thrips (suppression)⁴
Whiteflies
White grub larvae such as Japanese Beetle.
Masked Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle)

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Make ebb or flood application according to the following table:

Pot sizes (inches)	Herbaceous species including vegetable plants ⁵ (one or two plants per pot)	Woody perennials, Herbaceous species including vegetable plants ⁵ (3 or more per pot)
	mL per 100 Plants	mL per 100 Plants
2	1.6 mL	2.5 mL
3	2.5 mL	3.7 mL
4	3.3 mL	5 mL
5	4.2 mL	6.3 mL
6	5 mL	7.7 mL
7	5.9 mL	9.1 mL
8	6.6 mL	10 mL
9	7.4 mL	11.1 mL
10	8.3 mL	12.5 mL
11	9 mL	14.3 mL
12	10 mL	16.7 mL

¹ Fungus gnat larvae in the soil will be controlled by drench or incorporation. No adult Fungus Gnat control. Other foliar insect control is achieved by the uptake of IMIDACLOPRID 2FL GH from a healthy root system translocating the active ingredient up into the plant.

² Root Mealybug control will require a thorough drenching of containerized media. Coverage is essential for control while minimizing the amount of leachate. Rate: 1.7 fl oz (50 mL) in 150 gallons of water.

³ Citrus Root Weevil: For use on non-bearing citrus nursery stock.

⁴ Thrips suppression on foliage only. Thrips in buds and flowers will not be suppressed.

⁵ Note: For use on vegetable plants intended for resale only including: Broccoli, Chinese Broccoli, Broccoli Raab, Brussels Sprouts, Cabbage, Chinese Cabbage, Cauliflower, Collards, Eggplant, Ground Cherry, Kale, Kohlrabi, Lettuce, Mustard Greens, Pepinos, Peppers, Potatoes, Rape Greens, Sorghum, Sugarbeets, Tomatillo, and Tomato.

RECOMMENDED DRENCH AND IRRIGATION APPLICATIONS

For use only on greenhouse and, nursery ornamentals, vegetable plants, and interiorscape plants using soil drenches, micro-irrigation, drip irrigation, overhead irrigation, ebb and flood irrigation, or hand-held or motorized calibrated irrigation equipment.

To control:

Adelgids
Aphids
Fungus Gnats¹
(larvae only)
Japanese Beetles
(adults)
Lacebugs
Leaf beetles
(including elm
and viburnum leaf
beetles)

Leafhoppers
(including glassy-
winged
sharpshooter)
Leafminers
Mealybugs
Psyllids
Root mealybugs²
Root Weevil
Complex
(Such as Apopka)

Weevil, Black
Vine Weevil,
Citrus Root
Weevil³)
Sooty Scale
Thrips
(suppression)*
Whiteflies

White Grub larvae
(such as
Japanese Beetle,
Masked Chafers,
European Chafer,
Oriental Beetle,
Asiatic Garden
Beetle)

Apply to containerized plants at the following dose rates:

Herbaceous Species (Including vegetable plants ⁵ at one or two plants per pot)	
Container diameter (Inches)	Number of containers to treat with 1.7 fluid ounces
2	3000
3	2000
4	1500
5	1200
6	1000
7	850
8	750
9	675
10	600
11	550
12	500
Woody Perennials and Herbaceous Species (Including Vegetable plants ⁵ at three or more plants per pot)	
Container diameter (Inches)	Number of containers to treat with 1.7 fluid ounces
2	2000
3	1350
4	1000
5	800
6	650
7	550
8	500
9	450
10	400
11	350
12	300
All Plants	
Container Size	Number of containers to treat with 1.7 fluid ounces
1 gallon	340 to 244
2 gallon	280 to 210
3 gallon	220 to 165
5 gallon	160 to 110
7 gallon	100 to 75
10 gallon	60 to 45
15 gallon	40 to 30
20 gallon	20 to 15

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Mix label rate in enough water to wet potting media to capacity but without leakage from the bottom of the container. Avoid over watering for 10 days after application to prevent leaching of active ingredient.

For application to ornamental and vegetable plants³ grown in flats, benches, or bed apply 1.7 fluid ounces per 3,000 square feet. Apply as a broadcast spray in enough water to uniformly cover the area being treated. Do not use less than 2 gallons of mixture per 1000 square feet. Application can be made to soil medium prior to planting or after plants are established. Avoid over watering for 10 days after application to prevent leaching of active ingredient.

NOTES:

1. Fungus gnat larvae in the soil will be controlled by drench or incorporation. No adult Fungus Gnat control. Other foliar insect control is achieved by the uptake of IMIDACLOPRID 2FL GH from a healthy root system translocating the active ingredient up into the plant.
2. Root Mealybug control will require a thorough drenching of containerized media. Coverage is essential for control while minimizing the amount of leachate. Rate: 1.7 fl oz (50 mL) in 150 gallons of water.
3. Citrus Root Weevil: For use on non-bearing citrus nursery stock.
4. Thrips suppression on foliage only. Thrips in buds and flowers will not be suppressed.
5. Note: For use on vegetable plants intended for resale only including: Broccoli, Chinese Broccoli, Broccoli Raab, Brussels Sprouts, Cabbage, Chinese Cabbage, Cauliflower, Collards, Eggplant, Ground Cherry, Kale, Kohlrabi, Lettuce, Mustard Greens, Pepinos, Peppers, Potatoes, Rape Greens, Sorghum, Sugarbeets, Tomatillo, and Tomato.

FIELD AND FOREST NURSERIES

To control White grub larvae (such as Japanese Beetle, Masked Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle) apply 1.7 fluid ounces per 1,000 row feet as a band 6 inches wider than the root ball on either side of the row. Do not overlap in adjacent rows.

To control grubs in turf, apply as a broadcast application 1.35 to 1.7 fluid ounces (40 to 50 mL) per 3,000 square feet.

Vegetation in the area to be treated should be mowed to a height of 3 inches or less prior to application. Mowing to the lowest possible height will insure greater consistency of control.

Apply May through July. For optimum control, treatment should be followed by rainfall or irrigation. Do not use less than 2 gallons of spray volume per 1000 square feet.

STATEMENT OF WARRANTY

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