66222-203) 4/15/2010) 1 of 39

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 15 2010

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Anne Stout
Makhteshim Agan of North America, Inc.
4515 Falls of Neuse Rd., Suite 300
Raleigh, NC 27609

Subject: Alternate Marketing Language to Accommodate State Specific Restriction

Dear Ms. Stout:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated March 19, 2010 for:

EPA Registration 66222-203

Quali-Pro Imidacloprid 2F Turf & Ornamental

The Registration Division (RD) has conducted a review of this request for applicability under PRN 98-10 and finds that the label change(s) requested falls within the scope of PRN-98-10. The label has been date-stamped "Notification" and will be placed in our records.

If you have any questions, call me at 703 305-5409 or contact me electronically at daniel.dani@epa.gov.

Sincerely,

Dani Daniel
Registration Division (7504P)
Insecticide/Rodenticide Branch

20439

Please read instructions on reverse before comple[te] form. Form Approved. [OM]B No. 2070-0060, Approval expires 2-28-95

EPA

United States
Environmental Protection Agency
Washington, DC 20460

NOTIFICATION
APR 15 2010

☐ Registration
☐ Amendment
☑ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
66222-203	Linda Arrington	☑ None ☐ Restricted
4. Company/Product (Name)	PM# 01	
Quali-Pro Imidacloprid 2F Turf & Ornamental	Registration Support Branch	

5. Name and Address of Applicant *(Include ZIP Code)*

Makhteshim Agan of North America, Inc.
4515 Falls of Neuse Rd., Suite 300
Raleigh, NC 27609

☐ *Check if this is a new address*

6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section - II

☐ Amendment - Explain below.
☐ Resubmission in response to Agency letter dated _____
☑ Notification - Explain below.
☐ Final printed labels in repsonse to Agency letter dated _____
☐ "Me Too" Application.
☐ Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of alternate marketing language to accomodate a state-specific restriction.
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
** Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Anne Stout	Registration Specialist	901-861-4400

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature	3. Title	6. Date Application Received
Anne Stout	Registration Specialist	(Stamped)
4. Typed Name	**5. Date**	
Anne Stout	3-19-10	

MANA

March 19, 2010

Registration Support Branch
Document Processing Desk (NOTIF)
U.S. Environmental Protection Agency
Registration Division (7504P)
Ariel Rios Building
1200 Pennsylvania Ave, NW
Washington, DC 20460

Re: Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide, EPA Reg. No. 66222-203
Notification of Alternate Marketing Language per PRN 98-10

To Whom It May Concern:

Makhteshim Agan of North America, Inc. is notifying the Agency of its intention to add alternate marketing language to the referenced product as allowed in PRN 98-10. We certify the following:

> This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

In support of this submission, the following documents are attached:

- Application for registration (EPA Form 8570-1)
- One copy of final printed labeling with the addition marked in yellow

Should you have any questions regarding this submission, please contact me at 901-861-4400 or by email at annies@manainc.com.

Sincerely,

Anne Stout

Anne Stout
Registration Specialist

Enclosures

4515 Falls of Neuse Road, Suite 300, Raleigh NC 27609
T: 919.256.9305 • F: 919.256.9308

NOTIFICATION

APR 15 2010

QUALI-PRO

Quality Turf & Ornamental Products

Imidacloprid 2F

Turf & Ornamental Insecticide

For use by professional personnel licensed or registered by the state to apply termiticide, turf maintenance, nursery/greenhouse, and/or landscaping/ornamental products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the structural pest control regulatory agency of your state prior to use of this product.

PREVENTS AND CONTROLS SUBTERRANEAN TERMITES and CARPENTER ANTS.

FOR USE ON TURFGRASS (INCLUDING SOD FARMS), LANDSCAPE ORNAMENTALS, FRUIT AND NUT TREES, AND INTERIOR PLANTSCAPES.

FOLIAR AND SYSTEMIC INSECT CONTROL

ACTIVE INGREDIENT:	**% BY WT.**
Imidacloprid: 1-[(6-Chloro-3-pyridinyl) methyl]-N-nitro-2-imidazolidinimine	21.4%
OTHER INGREDIENTS:	78.6%
TOTAL:	100.0%

Contains 2 pounds of imidacloprid per gallon. Shake well before using.

Contains imidacloprid, the active ingredient in MERIT 2F Insecticide. Quali-Pro Imidacloprid 2F Turf and Ornamental Insecticide is not manufactured or distributed by Bayer.

EPA Reg. No. 66222-203

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.)

For additional precautionary, handling, and use statements, see inside of this booklet.

Manufactured for: Makhteshim Agan of North America, Inc.
4515 Falls of Neuse Road, Suite 300
Raleigh, NC 27609

EPA 110409/
Notif 031910/Rev B

EPA Est. No. 53883-TX-002^{CSI}; 37429-GA-001^{BT}; 37429-GA-002^{BO}
Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

Net Contents: 1 Gallon

PRO

Quality Turf & Ornamental Products

Imidacloprid 2F

Turf & Ornamental Insecticide

For use by professional personnel licensed or registered by the state to apply termiticide, turf maintenance, nursery/greenhouse, and/or landscaping/ornamental products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the structural pest control regulatory agency of your state prior to use of this product.

PREVENTS AND CONTROLS SUBTERRANEAN TERMITES and CARPENTER ANTS.

FOR USE ON TURFGRASS (INCLUDING SOD FARMS), LANDSCAPE ORNAMENTALS, FRUIT AND NUT TREES, AND INTERIOR PLANTSCAPES.

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OTHER INGREDIENTS:	78.6%
TOTAL:	100.0%

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EPA Reg. No. 66222-203

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

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Manufactured for: Makhteshim Agan of North America, Inc.
4515 Falls of Neuse Road, Suite 300
Raleigh, NC 27609

EPA 110409/
Notif 031910/Rev B

FIRST AID	
IF SWALLOWED:	• 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 INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably 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 • Rinse skin immediately with plenty of soap and water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	• Hold eyelids open and rinse slowly and gently with water for 15 to 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.
HOT LINE NUMBER	
In case of emergency, contact Prosar at 1-877-250-9291. Have the 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 patient symptomatically.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children or pets away from treated area until dry.

Personal Protective Equipment (PPE)

WPS and Termiticide Uses:

Applicators and other handlers (mixers and loaders) who handle this product for uses covered by the Worker Protection Standard (40 CFR Part 170), such as sod farms or who are using this product as a termiticide, must wear:

• Long-sleeved shirt and long pants

• Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rub-

ber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC), or Viton. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.
- 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.

When used as a termiticide, once the product is diluted as directed on the label, shirt, pants, shoes, and socks may be worn. All pesticide handlers must wear protective eyewear when working in a non-ventilated space or when applying termiticide by rodding or sub-slab injection.

Non-WPS Uses:
Applicators and other handlers must wear:
- Shirt and pants
- Gloves
- Shoes plus socks

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(4)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is highly toxic to 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.

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.

Apply this product only as specified on this label. Extreme care must be taken to avoid runoff. Apply only to soil or other fill substrate that will accept the solution at the specified rate. Do not treat soil that is water-saturated or frozen or in any conditions where run-off or movement from the treatment area (site) is likely to occur.

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.

Exception: If the product is applied by drenching, 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 any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC), or Viton. if you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within 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.

APPLICATION AS A TERMITICIDE

Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide may be used in and around the perimeter of structures and building construction to prevent and control termite infestations.

State Specific Restrictions:

- The state of Arizona has not approved this product for use on agricultural sites. Do not use this product on uses considered by the Arizona statutes to be agricultural uses.

USE INSTRUCTIONS

For subterranean termite control, specific treatment instructions may differ due to regulations, treatment procedures, soil types, construction practices, and other factors. The purpose of chemical soil treatment for termite control is to establish a continuous chemical-treated zone (horizontal and/or vertical) between the wood and other cellulose material in the structure and the termite colonies in the soil. Follow all federal, state, and local regulations and treatment standards for protection of a structure from termites. The establishment of an aerial or above-ground colony may require additional treatments to control the termites, as well as landscape modifications, and/or structural repairs to deny termites of a moisture source. Use a 0.05% to 0.1% dilution based on current recommendations. For a typical control situation, a 0.05% dilution is used. A 0.1% dilution may be used when a severe or persistent infestation exists.

When treating adjacent to an existing structure, the applicator must check the area to be treated and immediately adjacent areas of the structure for visible and accessible cracks and holes to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. Do not allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the cleanup is completed.

Structures that contain wells or cisterns within the foundation of the structure can only be treated using the treated backfill method described in the **TREATMENT AROUND WELLS AND CIS-**

TERNS section of this label. Consult state and local specifications for recommended distances of wells from treated area, or if such regulations do not exist, refer to Federal Housing Administration Specifications (H.U.D.) for guidance.

MIXING: Refer to **MIXING TABLE** for correct amount of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide to be used.

Follow this procedure for mixing the termiticide dilution:
1. Fill tank to 1/3 full.
2. If using large sprayer, start pump to begin bypass agitation and place end of treating tool in tank to allow circulation through hose.
3. Add appropriate amount of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide. Add remaining amount of water. Let pump run and allow recirculation through the hose for 2 to 3 minutes.

MIXING TABLE FOR QUALI-PRO IMIDACLOPRID 2F TURF & ORNAMENTAL INSECTICIDE		
EMULSION CONCENTRATE	**GALLONS WATER**	**AMOUNT OF IMI 2 LB**
0.05%	100	27.5 fl oz
	50	13.8 fl. oz.
	25	6.9 fl oz
	1	0.3 fl oz
0.1%	100	55.0 fl. oz.
	50	27.5 fl oz
	25	13.8 fl oz
	1	0.6 fl oz

IN-LINE INJECTION: Use the table below to mix the appropriate amount of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide for the desired injection volume of finished emulsion.

MIXING TABLE - INJECTOR	
INJECTOR VOLUME	**CONCENTRATION**
0.3 fl oz/gal	0.05%
0.6 fl oz/gal	0.1%

CONVERSION KEY: 128 fl oz = 1 gal; 16 fl oz = 1 pint; 8 pints = 1 gal; 1 fl oz = 29.5 mL

APPLICATION VOLUME

To provide maximum control and protection against termite infestation, apply the specified volume

of the finished water emulsion and active ingredient as set forth in the directions for use section of this label. If soil will not accept the labeled application volume, the volume may be reduced, provided there is a corresponding increase in concentration so that the amount of active ingredient applied to the soil remains the same.

Note: Large reductions of application volume reduce the ability to obtain a continuous barrier. Variance is allowed when volume and concentration are consistent with label-directed rates and a continuous barrier can still be achieved.

PRE-CONSTRUCTION TREATMENT
Do not apply at a lower dosage and/or concentration than specified on this label for application prior to installation of the finished grade.

Prior to each application, applicators must notify the general contractor, construction superintendent, or similar responsible party of the intended termiticide application and intended sites of application and instruct the responsible person to notify construction workers and other individuals to leave the area to be treated during application and until the termiticide is absorbed into the soil.

CONCRETE SLAB-ON-GROUND OR BASEMENTS: Apply an overall treatment to the entire surface of soil or other substrate to be covered by the slab including areas to be under carports, porches, basement floor, and entrance platforms. Apply at the rate of 1 gallon of solution to accurately and uniformly cover 10 square feet. If fill under slab is gravel or other coarse aggregate, apply at the rate of 1.5 gallons or sufficient volume of solution to accurately and uniformly cover 10 square feet. In addition, apply 4 gallons of solution (see **APPLICATION VOLUME**) per 10 linear feet to provide a uniform treated zone in soil at critical areas, such as along the inside of foundation walls and around plumbing, bath traps, utility services, and other features that will penetrate the slab.

After completion of grading, make an application by trenching or trenching and rodding around the slab or foundation perimeter. Rodding may be done from the bottom of a shallow trench. When rodding, rod holes must be spaced in a manner that will allow for a continuous chemical-treated zone not to exceed 12 inches to be deposited along the treated area. Rod holes must not extend below the footing. Apply 4 gallons of solution (see **APPLICATION VOLUME**) per 10 linear feet per foot of depth to provide a uniform treated zone. When trenching, the trench along the outside foundation should be about 6 inches in width and 6 inches in depth. Use a low pressure spray (not to exceed 25 psi at the treatment tool when the valve is open) to treat soil which will be placed in the trench after rodding. Mix the spray solution with soil as it is being placed in the trench. When treating voids in hollow masonry units, use 2 gallons of solution per 10 linear feet of wall. Apply solution so it will reach the footing by injecting into the lower areas of the wall just above the floor or footing.

When treating foundations deeper than 4 feet, apply the termiticide as the backfill is being replaced, or if the construction contractor fails to notify the applicator to permit this, treat the foundation to a minimum depth of 4 feet after the backfill has been installed. The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements at the rate prescribed from grade to a minimum depth of 4 feet. When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. However, in no case should a structure be treated below the footing.

Rodding in trench, followed by flooding of trench and treatment of backfill may provide a better opportunity to achieve a continuous chemical-treated zone than using soil rodding alone to establish a vertical termiticide-treated zone.

CRAWL SPACES: Application must be made by trenching or trenching and rodding downward along the inside and outside of foundation walls, around piers, interior supports in contact with the soil, plumbing, and utility services. Apply 4 gallons of solution (see **APPLICATION VOLUME**) per 10 linear feet per foot of depth to provide a uniform treated zone. Rodding may be done from the bottom of a shallow trench to top of the footing or a minimum of 4 feet. When rodding, rod holes must be spaced in a manner that will allow for a continuous chemical-treated zone to be deposited along the treated area. Rod holes must not extend below the footing. When trenching, the trench should be about 6 inches wide and 6 inches deep. Use a low pressure spray to treat soil which will be placed in the trench, mixing the spray solution with soil as it is being placed in the trench.

HOLLOW BLOCK FOUNDATIONS OR VOIDS: Hollow block foundations or voids in masonry resting on the footing may be treated to provide a continuous chemical-treated zone in the voids at the footing. Apply 2 gallons of solution per 10 linear feet to the lower part of the void so that it reaches the top of the footing or soil.

Treatment of voids in block or rubble foundation walls must be closely examined. Applicators must inspect areas of possible runoff as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment.

All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site (refer to **PRECAUTIONARY STATEMENTS**). Do not allow people or pets to contact or to reoccupy the contaminated areas of the structure until the cleanup is completed.

POST-CONSTRUCTION TREATMENT

CONCRETE SLAB-ON-GROUND: To apply a treatment under the slab including attached porches, carports, entrance platforms, garages, and similar slab structures, it may be necessary to drill through the slab or exterior foundation. Drill holes must be spaced in a manner that will allow for application of a continuous chemical-treated zone. Treat all existing cracks and cold construction or expansion joints. Also, treat around bath traps, plumbing, and utility services which penetrate the slab. Apply 4 gallons of solution (see **APPLICATION VOLUME**) per 10 linear feet per foot of depth to provide a uniform treated zone. DO NOT MAKE TREATMENT UNTIL LOCATION OF HEAT OR AIR CONDITIONING DUCTS AND VENTS ARE KNOWN AND IDENTIFIED. USE EXTREME CAUTION TO AVOID CONTAMINATION OF DUCTS AND VENTS. Plug and fill all drilled holes in commonly occupied areas with a suitable sealant. Plugs must be of non-cellulose material or covered by an impervious, non-cellulose material.

Apply by trenching or trenching and rodding around the outside of the foundation wall. Apply 4 gallons of solution (see **APPLICATION VOLUME**) per 10 linear feet per foot of depth to provide a uniform treated zone. When trenching, the trench along the outside foundation should be about 6 inches wide and 6 inches deep. Use a low pressure spray to treat soil as it is being placed in the trench.

Rodding can be done from the bottom of a shallow trench. When rodding, rod holes must be spaced in a manner that will allow for a continuous chemical-treated zone not to exceed 12 inches to be deposited along the treated area. Rod hole depth must not extend below the footing.

BATH TRAPS: Exposed soil or soil covered with tar or a similar-type sealant beneath and around plumbing and/or drain pipe entry areas should be treated with 3 gallons of solution per square foot. An access door or inspection vent should be cut and installed if not already present. After inspection and removal of any wood or cellulose debris, the soil can be treated by rodding or drenching the soil.

CRAWL SPACES: When there is insufficient clearance between floor joists and ground surfaces to allow applicator access, excavate if possible and treat according to crawl spaces (refer to **PRE-CONSTRUCTION TREATMENT**). If unable to excavate, crawl space soil and wood treatment may be used to prevent surface access by termites. Apply 1 gallon of solution (see **APPLICATION VOLUME**) per 10 square feet to provide a uniform chemical-treated zone. Use a very coarse spray at a pressure not exceeding 25 psi at the treatment tool when the valve is open.

Where a crawl space cannot be reached with the application wand, use extension wands or other suitable equipment to apply a coarse spray on the soil, wood, and structural members contacting the soil at the above rates. Do not apply to inaccessible crawl space areas using pressures

greater than 25 psi at the treatment tool when the valve is open.

Treatment may also be made by drilling through the foundation wall or through the floor above and treating the soil perimeter at a rate of 1 gallon of solution per 10 square feet. Drill spacing must be at intervals not to exceed 16 inches. Many states have smaller intervals so check state regulations which may apply.

To prevent subterranean termites from constructing mud tubes between soil and crawl space wood members above, an overall soil treatment of this product may be applied. Remove all cellulose debris before application. Apply 1 gallon of solution (see **APPLICATION VOLUME**) per 10 square feet to provide a uniform chemical-treated zone.

SHALLOW FOUNDATIONS: For shallow foundations one foot or less in depth, dig a narrow trench approximately 6 inches wide and deep along the outside and inside of the foundation wails, being careful not to dig below the bottom of the footings. For foundations with exposed footings, dig a trench alongside the footing taking care not to undermine the footing. Apply 4 gallons of solution (see **APPLICATION VOLUME**) per 10 linear feet to the top of footer to provide a uniform treated zone. Apply the dilution to the trench and mix with the soil as it is placed in the trench.

BASEMENTS - OUTSIDE PERIMETER: Along the outside of the exterior walls, an application must be made by trenching or rodding within the trench. Rodding depth should be to the top of the footer or to a minimum of 4 feet, or according to state or local regulations. When rodding through a trench, dig a narrow trench about 6 inches wide and 6 inches deep. Apply 4 gallons of solution (see **APPLICATION VOLUME**) per 10 linear feet per foot of depth to provide a uniform treated zone by rodding through the trench. Use a low pressure spray to treat soil which will be placed into the trench after rodding. Mix spray solution with the soil as it is being placed in the trench.

BASEMENTS - INSIDE PERIMETER: If necessary, treat by drilling along the perimeter of the interior walls. Applications also may be necessary around sewer pipes, floor drains, conduits, expansion joints, or any cracks or holes in the basement floor. Apply 4 gallons of solution (see **APPLICATION VOLUME**) per 10 linear feet to provide a uniform treated zone.

Drill holes must be spaced in a manner that will allow for application of a continuous chemical-treated zone. Plug and fill all drill holes in commonly occupied areas of the building with a suitable sealant. Plugs must be of non-cellulose material or covered by an impervious, non-cellulose material.

HOLLOW BLOCK FOUNDATION OR VOIDS: Hollow block foundations or voids in masonry resting on the footing may be treated to provide a continuous chemical-treated zone in the voids at the footing. Apply 2 gallons of solution per 10 linear feet to the lower part of the void so that it

reaches the top of the footing or soil. Drill spacing must be at intervals not to exceed 16 inches. Many states have smaller intervals, so check state regulations which may apply.

Treatment of voids in block or rubble foundation walls must be closely examined. Applicators must inspect areas of possible runoff as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment.

All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site (refer to **PRECAUTIONARY STATEMENTS**). Do not allow people or pets to contact or to reoccupy the contaminated areas of the structure until the cleanup is completed.

PLENUMS: For plenum-type structures which use a sealed underfloor space to circulate heated and/or cooled air throughout the structure, apply the dilution at the rate of 4 gallons of solution (see **APPLICATION VOLUME**) per 10 linear feet per foot of depth of soil to provide a uniform treated zone adjacent to both sides of foundation walls, supporting piers, plumbing, and conduits. The soil must be treated by trenching to a depth of 6 inches or trenching and rodding (where conditions permit) or to the top of the footing. When conditions will not permit trenching or rodding, a surface application adjacent to interior foundation walls may be made, but the treated strip shall not exceed a width of 18 inches horizontally from the foundation walls, piers, or pipes. The surface application will be made at a rate of 1.5 gallons of solution per 10 square feet as a very coarse spray under low pressure (not to exceed 25 psi when measured at the treating tool when valve is on).

When treating plenums, turn off the air circulation system of the structure until application has been completed and all termiticide has been absorbed by the soil.

TREATMENT AROUND WELLS OR CISTERNS: Do not contaminate wells or cisterns.

Structures With Wells/Cisterns Inside Foundations: Structures that contain wells or cisterns within the foundation of a structure can only be treated using the following techniques:

1. Do not apply within 5 feet of any well or cistern by rodding and/or trenching or by the backfill method. Treat soil between 5 and 10 feet from the well or cistern by the backfill method only. Treatment of soil adjacent to water pipes within 3 feet of grade should only be done by the backfill method.
   a) Trench and remove soil to be treated onto heavy plastic sheeting or similar material or into a wheelbarrow.
   b) Treat the soil at the rate of 4 gallons of solution per 10 linear feet per foot of depth of the trench or 1 gallon per 1.0 cubic feet of soil. Mix thoroughly into the soil taking care to contain the liquid and prevent runoff or spillage.

c) After the treated soil has absorbed the solution, replace the soil into the trench.

Structures With Adjacent Wells/Cisterns and/or Other Water Bodies: Applicators must inspect all structures with nearby water sources such as wells, cisterns, surface ponds, streams, and other bodies of water and evaluate, at a minimum, the treatment recommendations listed below prior to making an application.

1. Prior to treatment, if feasible, expose the water pipes coming from the well to the structure if the pipes enter the structure within 3 feet of grade.
2. Prior to treatment, applicators are advised to take precautions to limit the risk of applying the termiticide into subsurface drains that could empty into any bodies of water. These precautions include evaluating whether application of the termiticide to the top of the footer may result in contamination of the subsurface drain. Factors such as depth to the drain system and soil type and degree of compaction should be taken into account in determining the depth of treatment.
3. When appropriate (i.e., on the water side of the structure), the treated backfill technique (described above) can also be used to minimize off-site movement of termiticide.

FOAM APPLICATIONS

Construction practices, soil subsidence, and other factors may create situations in which a continuous chemical-treated zone cannot be achieved using conventional treatment alone. In situations where necessary, conventional application methods can be supplemented through use of foam-generating equipment or similar devices to provide a continuous treated zone.

Foam application may be made alone or in combination with conventional application methods, provided that the labeled amount of active ingredient per unit area is used.

Foam Application Use Directions: Mix appropriate concentration of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide in water and add the manufacturer's recommended quantity of foam agent to the Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide solution (see table for foaming recommendations). Apply a sufficient volume of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide foam alone or in combination with liquid solution to provide a continuous treated zone at the specified rate for specific application sites.

NOTE: Add the manufacturer's recommended quantity of foam agent to the Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide solution.

MIXING TABLE - QUALI-PRO IMIDACLOPRID 2F TURF & ORNAMENTAL INSECTICIDE FOAM

QUALI-PRO IMIDACLOPRID 2F TURF & ORNAMENTAL INSECTICIDE (fl oz)	GALLONS OF WATER	FOAM EXPANSION RATIO	FINISHED FOAM (0.05% ai)
6.9	1	25:1	25 gal
	2.5	10:1	
	5	5:1	
13.8	1	50:1	50 gal
	2.5	20:1	
	5	10:1	

Depending on the circumstances, foam applications may be used alone or in combination with liquid-solution applications. Applications may be made behind chimney bases, into rubble foundations, into block voids, under slabs, stoops, porches, or to the soil in crawlspaces and other similar voids.

Foam and liquid applications must be consistent with volume and active ingredient instructions in order to ensure proper application has been made. The volume and amount of active ingredient are essential to an effective treatment. At least 75% of the gallons of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide must be applied as a typical liquid treatment. The remaining 25% or fewer gallons is delivered to appropriate locations using a foam application.

RE-TREATMENT

Re-treatment for subterranean termites can only be performed if there is clear evidence of reinfestation or disruption of the treated zone due to construction, excavation, or landscaping, and/or evidence of the breakdown of the termiticide-treated zone in the soil. The vulnerable or reinfested areas may be re-treated in accordance with application techniques described in this product's labeling. The timing and type of these re-treatments will vary depending on factors such as termite pressure, soil types, soil conditions, and other factors which may reduce the effectiveness of the treated zone. Re-treatment may be made as either a spot or complete treatment.

When a structure is not known to be reinfested and the treated zone is not disturbed, but where the structure was last treated five or more years ago, re-treatment may be performed if, in the judgment of the applicator, it is necessary to ensure adequate protection of the structure. In determining the timing of any re-treatment, the applicator should consider efficacy and/or degradation data and/or site-specific conditions and previous experience that indicate a vulnerability of the structure to termite attack.

Annual re-treatment of the structure is prohibited unless there is clear evidence that reinfestation or treated zone disruption has occurred.

When another registered termite control product/system is used as the primary treatment for prevention or control of subterranean termites and is applied to all label-specified areas, Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide may be applied as a spot application in a secondary treatment to critical areas of the structure including plumbing and utility entry sites, bath traps, expansion joints, foundation cracks, the outside foundation wall, and areas of known or suspected activity at either a pre-construction or post-construction timing. These secondary treatments must be applied in amounts and concentration in accordance with label directions relevant to the treatment area(s) to receive the secondary treatment.

PERIMETER PEST CONTROL

Treat soil, turf, or ground cover adjacent to the structure where ants are trailing or may find food or harborage. Apply to flower, shrub, or ornamental plant beds adjacent to the structure where ants may find food or forage. To control ants tunneling in soil, apply a 0.05% to 0.1% solution as a drench or soil injection at intervals to establish a continuous treated zone. Treat along the edge of walls, driveways, or other hard surfaces where ants are tunneling beneath the surface.

Apply in sufficient water to cover the foliage and soil area being treated. Maximum application is once per month to maintain control.

Do not allow residents or pets into the immediate area during the application or contact with treated areas until spray has dried. Interior applications for ant control are limited to spot, crack, and crevice, or wall-void applications only.

Do not use this product against native or imported fire ants, pharaoh, or harvester ants.

NOTE: In instances of high pest pressures and quick knockdown or elimination at pest entry points is needed, additional treatments using Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide with targeted applications of a pyrethroid at places where these pests enter the structure may be made. Read and follow all label directions for use of this companion product.

PRECAUTIONS FOR APPLICATIONS

- After treatment, plug and fill all holes drilled in concrete slab areas of the building with a suitable sealant.
- Do not apply solution until location of heat pipes, ducts, water and sewer lines, and electrical conduits are known and identified. Caution must be taken to avoid puncturing and injection into the structural elements.

- Do not plant edible plants for the purpose of consumption into the treated areas of soil.
- Avoid contamination of public and private water supplies.
- Use anti-backflow equipment or an air gap on filling hoses.
- Consult State, Federal, or local authorities for information regarding the approved treatment practices for areas in close proximity to potable water supplies.

APPLICATION ON TURFGRASS

Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide may be used to control insect pests on turfgrass in home lawns, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, athletic fields, and sod farms.

Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide controls soil-inhabiting pests such as Northern & Southern masked chafers, *Cyclocephala borealis*, *C. immaculata*, and/or *C. lurida*; Asiatic garden beetle, *Maladera castanea*; European chafer, *Rhizofroqus majalls*; Green June beetle, *Cotinis nitida*; May or June beetle, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; Oriental beetle, *Anomala orientalis*; Billbugs, *Spherophorus* spp.; Annual bluegrass weevil, *Hyperodes* spp.; Black turfgrass ataenius, *Ataenius spretulus* and *Aphodius* spp.; European crane fly, *Tipula paludosa*; and mole crickets, *Scapteriscus* spp. Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide can also be used for suppression of cutworms and chinch bugs.

For optimum control, make applications preceding or during the egg-laying period of the target pest. The active ingredient in Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide has enough residual activity so that applications can be made preceding the egg-laying activity. Application timing can be based on historical monitoring of the site, previous records or experiences, current season adult trapping, or other methods. Most favorable control will be achieved when applications are made prior to egg hatch of the target pests. Follow applications with sufficient irrigation or rainfall to move the active ingredient through the thatch.

Do not make applications when turfgrass areas are waterlogged or the soil is saturated with water. Sufficient distribution of the active ingredient cannot be achieved under these conditions. The treated turf area must be in such a condition that the rainfall or irrigation will penetrate vertically in the soil profile. Applications cannot exceed a total of 1.6 pints (0.4 lb of active ingredient) per acre per year.

APPLICATION EQUIPMENT FOR USE ON TURFGRASS

Apply Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide in sufficient water to provide adequate distribution in the treated area. The use of accurately calibrated equipment normally used for the application of turfgrass insecticides is required. Use equipment which will produce a uniform coarse-droplet spray using a low pressure setting to eliminate off-target drift. Check calibration periodically to ensure that equipment is working properly.

Do not apply through any irrigation system.

APPLICATIONS

TURF GRASSES

PEST	RATE	APPLICATION INSTRUCTIONS
Larvae of: Annual bluegrass weevil Asiatic garden beetle Billbug Black turfgrass ataenius Cutworms (suppression) European chafer European crane fly Green June beetle Japanese beetle Northern Masked chafer Oriental beetle *Phyllophaga* spp. Southern masked chafer	1.25 to 1.6 pt/A or 0.46 to 0.6 fl. oz. (14 to 17 mL) per 1000 sq. ft.	For best control of grubs, billbugs, annual bluegrass weevil, and European crane fly, apply prior to egg hatch of the target pest. Read **APPLICATION EQUIPMENT** section of this label.
Chinch bugs (suppression) Mole crickets	1.6 pt /A or 0.6 fl. oz. (17 mL) per 1000 sq. ft.	For suppression of chinch bugs, apply before hatching of the first instar nymphs. To control mole crickets, apply before or during the peak egg-hatch period. Use a curative insecticide in addition to Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide when adults or large nymphs are present and actively tunneling. 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. Irrigation or rainfall must 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. Do not mow turf or lawn area until after sufficient irrigation or rainfall has occurred so that uniformity of application will not be affected.		

APPLICATION TO ORNAMENTALS

Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide is for use on ornamentals in commercial and residential landscapes and interior plantscapes. Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide is a systemic product and will be taken up into the plant system from root uptake. The product must be placed where the growing portion of the target plant can absorb the active ingredient. The addition of a nitrogen-containing fertilizer, where applicable, into the solution may enhance 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 insect pests.

When making soil applications to plants with woody stems, systemic activity will be delayed until the active ingredient is taken up throughout the plant. In some cases, this translocation delay could take 60 days or longer. For this reason, apply prior to anticipated pest infestation to achieve optimum levels of control.

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

Not for use in commercial greenhouses, nurseries, on grass grown for seed, or on commercial fruit and nut trees.

Ant Management Programs

Use Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide to control aphids, scale insects, mealybugs, and other sucking pests on ornamentals to limit the honeydew available as a food source for ant populations. Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide applications can then be supplemented with residual sprays, bait placements, or other ant control tactics to further reduce the pest population.

APPLICATION EQUIPMENT FOR FOLIAR APPLICATIONS

Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide mixes readily with water and may be used in many types of application equipment. Mix product with the required amount of water and apply as desired dependent upon the selected use pattern.

When making foliar applications on hard-to-wet foliage such as holly, pine, or ivy, the addition of a spreader/ sticker is recommended. 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.

Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide has been found to be compatible with commonly used fungicides, miticides, liquid fertilizers, and other commonly used insecticides.

Check physical compatibility using the correct proportion of products in a small jar test if local experience is unavailable.

Do not apply through any irrigation system.

APPLICATIONS
FOR USE ONLY IN AND ON INDUSTRIAL AND COMMERCIAL BUILDINGS AND RESIDENTIAL AREAS.

CROP	PEST	RATE	APPLICATION INSTRUCTIONS
Trees Shrubs Evergreens Flowers Foliage plants Groundcovers Interior plantscapes	Adelgids Aphids Japanese beetles Lace bugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Mealybugs Psyllids Sawfly Larvae Thrips (suppression) Whiteflies	1.5 fl. oz. (45 mL) per 100 gal of water	**Foliar Applications:** Begin applications before the onset of high pest populations and reapply as needed.
	White grub larvae (such as Japanese beetle larvae, Chafers, *Phyllophaga* spp., Asiatic garden beetle, Oriental beetle)	0.46 to 0.6 fl. oz. (14 to 17 mL) per 1000 sq. ft.	**Broadcast Applications:** Use enough water to mix the product and thoroughly apply to the treatment area. Do not use less than 2 gallons of water per 1000 sq ft. Irrigate after application to incorporate Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide into the upper soil layer. For additional use directions, refer to the **FLOWERS and GROUND COVERS** section of this label.

SOIL-INJECTION* AND SOIL-DRENCH APPLICATIONS IN AND ON INDUSTRIAL AND COMMERCIAL BUILDINGS AND RESIDENTIAL AREAS, AND STATE, NATIONAL, AND PRIVATE WOODED AND FORESTED AREAS

***No Soil-Injection Applications Allowed in Nassau or Suffolk Counties of New York.**

PEST	CROP/RATE	APPLICATION INSTRUCTIONS	REMARKS
Adelgids Aphids Armored scales (suppression) Black vine weevil larvae Emerald ash borer Eucalyptus long-horned borer Flatheaded borer (including bronze birch and alder borer) Japanese beetles Lace bugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Leafminers Mealybugs Pine tip moth larvae Psyllids Royal palm bugs Sawfly larvae Soft scales Thrips (suppression) White grub larvae Whitefies	**TREES** 0.1 to 0.2 fl. oz. (3 to 6 mL) per inch of trunk diameter (D.B.H.)	**SOIL INJECTION:** **Grid System:** Space holes in a grid pattern on 2.5-foot centers, extending to the drip line of the tree. **Circle System:** Apply in holes evenly spaced in circles (use more than one circle dependent upon the size of the tree) beneath the drip line of the tree extending in from that line. **Basal System:** Space injection holes evenly around the base of the tree trunk no more than 6 to 12 inches out from the base. **Soil Drench:** Apply uniformly as a drench around the base of the tree in not less than 10 gallons of water per 1000 square feet. Direct application to the root area. Remove plastic or any other barrier that will stop solution from reaching the root zone.	Use enough water to mix the product and inject an equal amount of solution in each hole. Use low pressure and sufficient solution for distribution of the liquid into the treatment area. Keep the treated area moist for 7 to 10 days. Do not use less than 4 holes per tree. **For Control of Specified Borers:** Trees with existing insect damage and stress may not recover after treatment with Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide.
	SHRUBS 0.1 to 0.2 fl. oz. (3 to 6 mL) per foot of shrub height	**Soil Injection:** Apply at the specified dosage to each plant. **Soil Drench:** Apply uniformly as a drench around the base of the tree in not less than 10 gallons of water per 1000 square feet. Direct application to the root area. Remove plastic or any other barrier that will stop solution from reaching the root zone.	Use enough water to mix the product and inject an equal amount of solution in each hole. Use low pressure and sufficient solution for distribution of the liquid into the treatment area. Keep the treated area moist for 7 to 10 days. Do not use less than 4 holes per shrub.
	FLOWERS AND GROUNDCOVERS 0.46 to 0.6 fl. oz. (14 to 17 mL) per 1000 sq ft	Apply as a broadcast treatment before or after planting or apply after plants are established. Mix into soil. On established plants, irrigate thoroughly after application.	

FOLIAR APPLICATIONS FOR USE ONLY IN AND ON RESIDENTIAL AREAS

CROP	PEST	RATES	APPLICATION INSTRUCTIONS
POME FRUITS Apple Crabapple Loquat Mayhaw Pear Pear (oriental) Quince	Aphids (except Wooly apple aphid) Leafhoppers (including glassy-winged sharpshooter) Leafminer Mealybugs* San Jose scale*	1.5 fl oz (45 mL) per 100 gal or 6.0 fl oz/A[1]	Apply specified dosage as foliar spray as needed 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. Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide 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 Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide while most leafhoppers are in the nymphal stage. For control of mealybug, insure good spray coverage of the trunk and scaffolding limbs or other resting sites of the mealybug. Do not apply more than 6.0 fluid ounces per acre in a single application. Do not make more than 5 applications. 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.

CROP	PEST	RATES	APPLICATION INSTRUCTIONS
Pecan*	Yellow pecan aphid Black margined aphid Pecan leaf phylloxera Pecan spittlebug Pecan stem phylloxera	1.5 fl. oz. (45 mL) per 100 gal or 6.0 fl. oz./A[1]	Make foliar applications as pests begin to build before populations become extreme. Two applications at a 10- to 14-day interval may be required to achieve control. Scout and re-treat if needed. Thorough uniform coverage of foliage is necessary for optimal control. Addition of an organosilicone-based spray adjuvant at a rate not to exceed the adjuvant manufacturer's recommended use rate may improve coverage. Do not apply more than a total of 18.0 fluid ounces of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide per acre per year. Do not make more than 3 applications. Allow 10 or more days between applications. * Use on pecans not permitted in California unless directed by specific supplemental labeling.

[1]The amount of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees.

FOLIAR APPLICATION FOR USE ONLY IN AND ON INDUSTRIAL AND COMMERCIAL BUILDINGS AND RESIDENTIAL AREAS.

CROP	PEST	RATE	APPLICATION INSTRUCTIONS
Grapes	Leafhoppers (including glassy-winged sharpshooter) Mealybugs	1.5 fl. oz. (45 mL) per 100 gal or 3.0 fl. oz/A (90 mL/A)	Apply specified dosage as a foliar spray using 200 gallons of water per acre. Do not apply more than a total of 6.0 ounces of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide per acre per year. Allow at least 14 days between applications. Applications may be applied up to and including day of harvest.

RESTRICTIONS

- Do not graze treated areas or use clippings from treated areas for feed or forage.

- Do not allow runoff or puddling of irrigation water following application. Keep children and pets off treated area until dry.
- Do not apply Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide to areas which are water-logged or saturated, which will not allow penetration into the root zone of the plant.
- Do not apply more than 1.6 pt (0.4 lb of active ingredient) per acre per year.

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 IN NON-COMMERCIAL GREENHOUSES AND NURSERIES, ORNAMENTALS, FRUIT AND NUT TREES, AND VEGETABLE PLANTS

APPLICATION TO ORNAMENTALS AND VEGETABLE PLANTS

Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide may be used to control insect pests on ornamental and vegetable plants in nurseries and greenhouses. Insect protection is achieved because Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide is a systemic product and the active ingredient moves upward into the plant system. Apply Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide to the growing part of the plant for more absorption of the active ingredient. Nitrogen-containing fertilizer may be added to the solution to aid in the uptake of the active ingredient where applicable. Apply Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide as a foliar spray or by soil applications such as soil injection, drenches, chemigation, and broadcast sprays.

Soil applications to plants with woody stems will require applications of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide before expected pest infestations due to the delay in the uptake of the active ingredient and the time until the product is taken up throughout the plant.

Restriction: 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: The length of protection after treatment with Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide may be shortened if the media has 30% or more bark content.

RESISTANCE: Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance-management strate-

gies established for the use area. Consult your Cooperative Extension Service for resistance-management strategies and recommended pest-management practices for your area.

Application Equipment For Ornamentals And Vegetable Plants
Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide mixes with water and may be applied with different types of application equipment. After mixing with the correct amount of water, follow the application directions for the selected use pattern.

For applications on hard-to-wet foliage such as holly, pine, or ivy, the use of a spreader/ sticker is recommended. For application by concentrate or mist-type spray equipment, use the same amount as would be used in a dilute application.

Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide is compatible with frequently used fungicides, miticides, and liquid fertilizers. Compatibility may be tested in a small jar by using the correct proportion of products if compatibility information is not available.

APPLICATION THROUGH IRRIGATION SYSTEMS
Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide may be applied alone or as a tank mixture with other chemicals or pesticides registered for application through irrigation systems. The normal dilution ratio is 1:100 to 1:200, depending on the system. Always 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 Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide 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, 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 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.
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

Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide may be used on nursery grass in areas such as under or around field- or container-grown plants, on roadways, or other grassy areas in or around nurseries. Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide is not for use on commercial sod farms.

Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide controls soil-inhabiting pests of grassy areas of nurseries, such as Northern and Southern masked chafers, *Cyclocephala borealis, C. immaculata*, and/or *C. lurida*; Asiatic garden beetle, *Maladera castanea*; European chafer, *Rhizotroqus majalis*; Green June beetle, *Cotinis nitida*; May or June beetle, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; Oriental beetle, *Anomala orientalis*; Billbugs, *Spherophorus* spp.; Annual bluegrass weevil, *Hyperodes* spp.; Black turfgrass ataenius, *Ataenius spretulus* and *Aphodius* spp.; and mole crickets, *Scapteriscus* spp. Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide can also be used for suppression of cutworms and chinch bugs.

For optimum control, make applications preceding or during the egg-laying period of the target pest. The active ingredient in Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide has enough residual activity so that applications can be made preceding the egg-laying activity. Application timing can be based on historical monitoring of the site, previous records or experiences, current season adult trapping, or other methods. Most favorable control will be achieved when applications are made prior to egg hatch of the target pests. Follow application with sufficient irrigation or rainfall to move the active ingredient through the thatch.

Do not make applications when grassy areas are waterlogged or the soil is saturated with water.

Sufficient distribution of the active ingredient cannot be achieved under these conditions. The treated grassy area must be in such a condition that the rainfall or irrigation will penetrate vertically in the soil profile. 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
Apply Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide in enough water to provide sufficient distribution in the treated area. Use accurately calibrated equipment typically used for the application of soil insecticides which will produce a uniform course-droplet spray, using a low pressure setting to eliminate off target drift. Check calibration periodically to ensure that equipment is working properly.

APPLICATION SITES
GRASSY AREAS OF FIELD AND FOREST NURSERIES

PEST	RATES	APPLICATION INSTRUCTION
Larvae of: Annual bluegrass weevil Asiatic garden beetle Billbugs Black turfgrass ataenius *Phyllophaga* spp. Cutworms (suppression) European chafer Green June Beetle Japanese beetle Northern masked chafer Oriental beetle Southern masked chafer	19.2 to 25.6 fl. oz. per acre or 0.45 to 0.6 fl. oz. (13 to 17 mL) per 1000 sq. ft.	For best control of grubs, billbugs, and annual bluegrass weevil, make application prior to egg hatch of the target pest. Make sure to read **APPLICATION EQUIPMENT** section of this label. For suppression of chinch bugs, make application prior to the hatching of the first instar nymphs. For control of mole crickets, make application before or during the peak egg-hatch period. When adults or large nymphs are present and actively tunneling, Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide application should be accompanied by a curative insecticide. Follow label instructions for other insecticides when tank mixing. Consult your local turf State Agricultural Experiment Station, or State Extension Service Specialist for more specific information regarding timing of application. Irrigation or rainfall must 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. Do not mow grass area until after adequate irrigation or rainfall has occurred so that evenness of application will not be affected.
Chinch bugs (suppression) Mole crickets	25.6 oz/A or (17 mL) per 1000 sq. ft.	

ORNAMENTALS
FOLIAR AND SYSTEMIC APPLICATION IN OR ON FIELD-GROWN NURSERY AND CONTAINER STOCK, GREENHOUSE ORNAMENTALS, AND ORNAMENTALS GROWN IN FLAT BENCHES OR BEDS

PEST	CROP	RATES	APPLICATION INSTRUCTION
Adelgids Aphids Japanese beetles (adults) Lacebugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Leafminers Mealybugs Sawfly larvae Thrips (suppression) Whiteflies	Trees (including non-bearing fruit and nut) Shrubs Evergreens Flowers Ground covers Vegetable plants*	1.7 fl. oz. (50 mL) per 100 gal of water	**Foliar Applications:** Start treatments before high pest pressure is observed and reapply as needed. For resistance-management purposes, do not make a Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide foliar application following a soil application in the same crop. * 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.
White grub larvae (such as Japanese beetle larvae, Chafers, *Phyllophaga* spp., Asiatic garden beetle, Oriental beetle)		0.45 to 0.6 fl. oz. (13 to 17 mL) per 1000 sq. ft.	**Broadcast Applications:** Mix required amount of product in enough water to uniformly and exactly cover the treatment area. Do not use less than 2 gallons of water per 1000 sq. ft. Irrigate to integrate Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide into the upper soil level. Refer to **REMARKS** section for use directions specific for **FLOWERS AND GROUND COVERS** concerning additional use directions.

SOIL-INJECTION, SOIL-DRENCH AND BROADCAST APPLICATIONS IN NURSERY AND GREENHOUSE

PEST	CROP/RATES	APPLICATION INSTRUCTION
Adelgids Aphids Armored scales Black vine weevil larvae Eucalyptus long-horned borers Flatheaded borers (including bronze birch and alder borers) Japanese beetles (adults) Lacebugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Leafminers Mealybugs Pine Tip moth larvae Psyllids Royal palm bugs Sawfly larvae Soft scales Thrips (suppression) White grub larvae Whiteflies	**TREES** 0.1 to 0.2 fl. oz. (3 to 6 mL) per inch of trunk diameter (D.B.H.)	**Soil Injections:** **Grid System:** Space holes on 2.5-foot centers in a grid pattern extending to the drip line of the tree. **Circle System:** Apply in holes evenly spaced in circles (use more than one circle dependent upon the size of the tree) beneath the drip line of the tree extending in from that line. **Basal System:** Space injection holes evenly around the base of the tree trunk no more than 6 to 12 inches out from the base. Mix required dosage in sufficient water to inject an equal amount of solution in each hole. Maintain a low pressure and use sufficient solution for distribution of the liquid into the treatment zone. Keep the treated area moist for 7 to 10 days. Do not use less than 4 holes per tree. **No Soil-Injection Application Allowed in Nassau or Suffolk Counties of New York.** **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 Control of Specified Borers:** Application to trees already heavily infested may not prevent the eventual loss of the trees due to existing pest damage and tree stress.
	SHRUBS 0.1 to 0.2 fl. oz. (3 to 6 mL) per foot of shrub height	**Soil Injection:** Apply to individual plants using dosage indicated. Mix required dosage in sufficient water to inject an equal amount of solution in each hole. Maintain a low pressure and use sufficient solution for distribution of the liquid into the treatment zone. Keep the treated area moist for 7 to 10 days. Do not use less than 4 holes per shrub. **No Soil-Injection Application Allowed in Nassau or Suffolk Counties of New York.** **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.
	FLOWERS AND GROUND COVERS 0.45 to 0.6 fl. oz. (13 to 17 mL) per 1000 sq. ft.	Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. After application to established plants, irrigate thoroughly.

EBB & FLOOD APPLICATION

Prior to treatment to ensure accurate uptake by the plants, at least 10 plants must be brought up to a known field capacity and allowed to dry out for one or two days. Once dry, re-wet these plants to determine how much water on average each plant will absorb to bring it back at field capacity. Use the volume absorbed per plant (keeping pot sizes uniform) multiplied by the number of pots being treated. Add to this volume a required minimum to flood your smallest treatment area. This should minimize the return back to the storage tank. Re-use the returned volume with subsequent irrigation or nutrients on the same plants.

PEST	POT SIZE (inches)	Herbaceous species including vegetable plants* (1 or 2 plants per pot)	Woody perennials, Herbaceous species including vegetable plants* (3 or more plants per pot)	APPLICATION INTRUCTIONS
		mL per 100 Plants	mL per 100 Plants	
Adelgids Aphids Armored scales Fungus Gnats (larvae only)[1] Japanese beetles (adults) Lacebugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Leafminers Mealybugs Psyllids Root mealybugs[2] Root Weevil Complex (such as Apopka Weevil, Black Vine Weevil, Citrus Weevil[3]) Soft scales Thrips (suppression)[4] Whiteflies White grub larvae (such as Japanese Beetle, Masked Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle)	2 3 4 5 6 7 8 9 10 11 12	1.6 mL 2.5 mL 3.3 mL 4.2 mL 5 mL 5.9 mL 6.6 mL 7.4 mL 8.3 mL 9 mL 10 mL	2.5 mL 3.7 mL 5 mL 6.3 mL 7.7 mL 9.1 mL 10 mL 11.1 mL 12.5 mL 14.3 mL 16.7 mL	[1] **Fungus Gnat larvae:** Control in the soil by drench or incorporation. Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide will not control adult Fungus Gnats. [2] **Root Mealybug:** To obtain control, thoroughly drench the containerized media but do not allow leaching from the bottom of the container. Use the following rate of 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:** For suppression on foliage only. Thrips in buds and flowers will not be suppressed. Foliar insect control is accomplished by the uptake of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide from a healthy root system. This allows the active ingredient to move up into the plant. * 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.

DRENCH AND IRRIGATION APPLICATIONS

For use only on non-commercial 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.

PEST	POT SIZE (inches)	Herbaceous species including vegetable plants* (1 or 2 plants per pot)	Woody perennials, Herbaceous species including vegetable plants* (3 or more plants per pot)	APPLICATION INTRUCTIONS
		No. pots treated with 1.7 fl. oz. (50 mL)	No. pots treated with 1.7 fl. oz. (50 mL)	
Adelgids Aphids Fungus Gnats (larvae only)[1] Japanese beetles (adults) Lacebugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Leafminers Mealybugs Psyllids Root mealybugs[2] Root Weevil Complex (such as Apopka Weevil, Black Vine Weevil, Citrus Weevil[3]) Soft scales Thrips (suppression)[4] Whiteflies White grub larvae (such as Japanese Beetle, Masked Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle)	2 3 4 5 6 7 8 9 10 11 12	3000 2000 1500 1200 1000 850 750 675 600 550 500	2000 1350 1000 800 650 550 500 450 400 350 300	Thoroughly wet most of the potting medium but do not allow runout or leaching from the bottom of the container. Follow the application with moderate irrigation. During the next 10 days, carefully irrigate to avoid the loss of the active ingredient due to leaching. [1] **Fungus Gnat larvae:** Control in the soil by drench or incorporation. Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide will not control adult Fungus Gnats. [2] **Root Mealybug:** To obtain control, thoroughly drench the containerized media but do not allow leaching from the bottom of the container. Use the following rate of 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:** For suppression on foliage only. Thrips in buds and flowers will not be suppressed. Foliar insect control is accomplished by the uptake of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide from a healthy root system. This allows the active ingredient to move up into the plant.

	Ornamental and vegetable plants* grown in flats, benches, or beds	1.7 fl. oz. (50 mL) per 3000 sq. ft.	Mix the appropriate amount of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide in sufficient water to evenly cover the treatment area. Do not use less than 2 gallons of mixture per 1000 sq. ft. Apply as a broadcast treatment. Before planting, mix into the potting medium or apply after to established plants. Lightly irrigate after application to established plants for best control. Do not allow leaching or runout for 10 days after application.
* 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.			

DRENCH AND IRRIGATION APPLICATIONS (cont.)

PEST	Containerized Plants		APPLICATION INTRUCTIONS
	Container Size	No. pots treated with 1.7 fl. oz. (50 mL)	
Adelgids Aphids Fungus Gnats (larvae only)[1] Japanese beetles (adults) Lacebugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Leafminers Mealybugs Psyllids Root mealybugs[2] Root Weevil Complex (such as Apopka Weevil, Black Vine Weevil, Citrus Weevil)[3] Soft scales Thrips (suppression)[4] Whiteflies White grub larvae (such as Japanese Beetle, Masked Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle)	1 gallon 2 gallon 3 gallon 5 gallon 7 gallon 10 gallon 15 gallon 20 gallon	340 to 244 280 to 210 220 to 165 160 to 110 100 to 75 60 to 45 40 to 30 20 to 15	Apply in sufficient water to wet the potting medium. For best control, make applications prior to egg hatch of the target pest. Irrigate moderately after application to move the active ingredient into the root zone. To prevent leaching, use 1.7 fl. oz. (50 mL) of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide in the appropriate amount of water to treat the number of pots based on the pot size as stated in the table. Foliar insect control is accomplished by the uptake of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide from a healthy root system. This allows the active ingredient to move up into the plant. [1] **Fungus Gnat larvae:** Control in the soil by drench or incorporation. Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide will not control adult Fungus Gnats. [2] **Root Mealybug:** To obtain control, thoroughly drench the containerized media but do not allow leaching from the bottom of the container. Use the following rate of 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:** For suppression on foliage only. Thrips in buds and flowers will not be suppressed.
Field and Forest Nurseries			
White grub larvae (such as Japanese Beetle, Masked Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle)	1.7 fl. oz. (50 mL) per 1000 ft. of row or 3000 sq. ft.		Before application, mow the vegetation in the treatment area to a height of 3 inches or less. Mow to the lowest height possible. Applications must be made May through July. Treatment must be followed by rainfall or irrigation. Do not use less than 2 gallons of spray volume per 1000 square feet. Apply as a uniform band on either side of the row using a band width six (6) inches wider than the actual root ball diameter to be dug. Do not overlap bands in adjacent rows. For grub control in areas of turf, apply as a broadcast application using 1.35 to 1.7 fl oz (40 to 50 mL) per 3000 sq. ft.

RESTRICTIONS

Do not graze treated areas or use clippings from treated areas for feed or forage. Do not allow runoff or puddling of irrigation water following application.

Do not apply Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide to soils which are water-logged or saturated, which will not allow penetration into the root zone of the plants.

Do not allow leachate runout for the first 10 days after application in order to retain the product and facilitate full plant uptake of the active ingredient.

For outdoor omamentals grown in beds or turf, applications of Quali-Pro Imidacloprid 2F Turf & Ornamental Insecticide 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 must be observed.

Not for use in commercial greenhouses or nurseries.

STORAGE AND DISPOSAL

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

Storage and Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

Pesticide Disposal: Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

Container Disposal:

For Containers equal to or less than 5 Gallons: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or incinerate if allowed

STORAGE AND DISPOSAL (cont.)

by state and local authorities, by burning. If burned, stay out of smoke.

For Containers greater than 5 Gallons: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or incinerate if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For Bulk containers: (Refillable Container) Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or incinerate if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS**, **DISCLAIMER OF WARRANTIES,** and **LIMITATIONS OF LIABILITY**.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the 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 Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

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applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.
LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

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