

72112-12

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

72112-12

Date of Issuance:

JUL 11 2007

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Prokoz 015

Name and Address of Registrant (include ZIP Code):

Prokoz, Inc.
c/o Pyxis Regulatory Consulting, Inc.
4110 136th Street N.W.
Gig Harbor, WA 98332

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 section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 72112-12".
 - b. Include the following section immediately before the **STORAGE AND DISPOSAL** section of the label:

RESTRICTIONS

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

Signature of Approving Official:

Venus Eagle, Product Manager (01)
Insecticide-Rodenticide Branch, Registration Division (7505P)

Date:

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runoff or puddling or irrigation water following application.

- Do not apply this product 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, in order to retain the product and facilitate full plant uptake of the active ingredient.
- For outdoor ornamentals grown in beds or turf, applications of this product 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.

3. The data requirements for storage stability (830-6317) and corrosion characteristics (830- 6320) have not been satisfied, and must be submitted within eighteen months of the date of this letter.
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Venus Eagle
Product Manager (01)
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure

PROKōZ 015

For systemic and foliar 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-imidazolidinimine21.4%

OTHER INGREDIENTS:78.6%

TOTAL:100.0%

Contains 2 pounds of imidacloprid per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 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 15-20 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	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
No specific antidote is available. Treat the patient symptomatically.	

EPA Reg. No. 72112-

EPA Est. No.

Manufactured for:

PROKōZ, Inc.
100 North Point Center East, Suite 330
Alpharetta, GA 30022

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

JUL 11 2007

Net Contents:

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
72112-12**

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes, or clothing. 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)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- 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
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If instructions for washables do not exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS

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

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

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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 the foliage of 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.

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.

Do NOT formulate this product into other end-use products

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 drenched, soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to 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:

- 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
- Shoes plus socks

RESISTANCE MANAGEMENT

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 strategies established for the use area. Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations.

GENERAL INFORMATION

Thorough uniform coverage is necessary to achieve optimal control. A spray adjuvant may be used to improve coverage. PROKōZ 015 may not knockdown established and heavy insect populations. Two applications may be required to achieve control; retreat if needed and as directed on this label. PROKōZ 015 may be tank mixed with other insecticides as recommended for knockdown of pests or for improved control of other pests.

Rotational Crops

As soon as practical following the last application, treated areas may be replanted with any crop specified on an imidacloprid label, or 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. NOTE: Cover crops for soil building or erosion control may be planted at any time, but do not graze or harvest for food or feed.

MIXING INSTRUCTIONS

To prepare the application mixture, add a portion of the required amount of water to the spray tank, begin agitation, and add the PROKōZ 015. Complete filling tank with the balance of water needed. Be sure to maintain agitation during both mixing and application.

PROKōZ 015 may also be used with other pesticides and/or fertilizer solutions; refer to the **Compatibility Note** below. When tank mixtures of PROKōZ 015 and other pesticides are involved, prepare the tank mixture as recommended above and follow the suggested Mixing Order below.

Mixing Order

When pesticide mixtures are needed, add wettable powders first, PROKōZ 015 or other flowables second, and emulsifiable concentrates last. Ensure good agitation as each component is added and do not add an additional component until the previous is thoroughly mixed. A fertilizer / pesticide compatibility agent may be needed if a fertilizer solution is to be added to the mixture. Be sure to maintain constant agitation during both mixing and application to ensure uniformity of spray mixture.

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Compatibility Note

Before adding PROKōZ 015 to the spray or mix tank, the compatibility of the intended tank mixture should be checked using the following test:

- 1) Add proportionate amount of each ingredient in the appropriate order to a pint or a quart jar;
- 2) Cap and shake for 5 minutes;
- 3) Let set for 5 minutes.

Poor mixing or formation of precipitates that do not readily re-disperse indicates an incompatible mixture that should not be used. For further information, contact your local PROKōZ, Inc. representative.

APPLICATION INSTRUCTIONS

PROKōZ 015 should be applied as a directed or broadcast foliar spray using properly calibrated ground application equipment as allowed in the specific recommended application section. For optimum insecticidal efficacy, thorough coverage of all target foliage *without runoff* is necessary. To obtain thorough coverage use adequate spray volumes, properly calibrated application equipment and a spray adjuvant if necessary. Failure to provide adequate coverage and retention of PROKōZ 015 on leaves and fruit, if present, may result in loss of insect control or delay in onset of activity. PROKōZ 015 may also be applied by chemigation (see APPLICATION THROUGH IRRIGATION SYSTEMS (CHEMIGATION) section below) if allowed in the specific recommended application section.

APPLICATION THROUGH IRRIGATION SYSTEMS (CHEMIGATION)

PROKōZ 015 may be applied at rates recommended on this label either alone or in tank mixture with other pesticides and chemicals 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.

- 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.
- Apply PROKōZ 015 only through micro-irrigation (individual spaghetti tube), drip irrigation, overhead irrigation, and ebb and flood or hand-held or motorized calibrated irrigation equipment and only as recommended in the specific directions. **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.
- Be sure to remove scale, pesticide residue and other foreign matter from the tank and entire irrigation system prior to application.
- 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.
- If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

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 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 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.

Water Volume

PROKōZ 015 chemigation application should be made as concentrated as possible. Retention of PROKōZ 015 on target site of insect infestation is necessary for optimum activity. Chemigation of PROKōZ 015 in water volumes exceeding 0.10 inches/acre are not recommended.

Uniform Water Distribution and System Calibration

The irrigation system must provide uniform distribution of treated water. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Chemigation Monitoring

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

Drift

Do not apply when the wind favors drift beyond the area intended for treatment.

APPLICATION TO GRASSY AREAS IN NURSERIES

PROKōZ 015 will control soil-inhabiting pests in grassy areas in or around nurseries such as under or around field or container grown plants, on roadways or other grassy areas. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Applications may be made preceding the egg laying activity of the target pests and high levels of control may be achieved when applications are made proceeding or during the egg laying period. For best results, make applications prior to egg hatch of the target pests, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

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Use Precautions:

- Applications must NOT exceed a total of 1.6 pt. (0.4 lb of active ingredient) per acre per year.
- Applications should NOT be made when grassy areas are waterlogged or the soil is saturated with water because adequate distribution of the active ingredient cannot be achieved when these conditions exist.
- The treated grassy area must be in such a condition that the rainfall or irrigation will penetrate vertically in the soil profile.
- Avoid mowing treated areas until after sufficient rainfall or irrigation has occurred in order to maintain the uniformity of the application.
- Do NOT graze treated areas or use clippings from treated areas for feed or forage.
- Do NOT apply PROKōZ 015 to soils that are waterlogged or saturated and avoid runoff or puddling of irrigation water following application.
- Do NOT allow leachate to run out for the first 10 days after application or reduced efficacy may result.

Application Instructions:

Apply PROKōZ 015 in sufficient water to provide adequate distribution in the treated area. Use of accurately calibrated equipment normally used for soil application of 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.

Pest	Fluid ounces per 1000 sq. ft.	Fluid ounces per Acre	Specific Instructions
Annual bluegrass weevil Asiatic garden beetle Billbugs Black turfgrass atenius Cutworms† European Chafer Green June beetle Japanese beetle Northern masked chafer Oriental beetle <i>Phyllophaga</i> spp. Southern masked chafer	0.45 – 0.6 (13 to 17 mL)	19.2 – 25.6	<p>Billbugs and annual bluegrass weevil: For best results make applications prior to egg hatch of the target pest.</p> <p>Cinchbugs: Make applications prior to the hatching of the first instar nymphs.</p> <p>Mole Crickets: Make applications prior to or during the peak egg hatching period. When adults or large nymphs are present and actively tunneling, PROKōZ 015 should be accompanied by a curative insecticide.</p> <p>NOTE: For best results, the active ingredient must be moved through the thatch by irrigation or rainfall occurring within 24 hours after application.</p>
Cinchbugs† Mole Crickets	0.57 (17 mL)	25.6	
† Suppression only.			

APPLICATION TO ORNAMENTALS AND VEGETABLE PLANTS

PROKōZ 015 is a systemic insecticide that may be applied to ornamental and vegetable plants and interior plantscapes. The insecticide is translocated upward into the plant system and for best results must be placed where the growing portions of the target plant can absorb the active ingredient. When applicable, adding a fertilizer containing nitrogen into the spray solution may enhance plant uptake of PROKōZ 015.

Woody Perennials:

Protection in woody perennials is slower than in herbaceous species and a delay of 2 or more weeks should be expected, with longer delays for larger plants. Because of this, applications to woody perennials should be made well in advance of expected insect activity.

Bark Media:

PROKōZ 015 treatments to media with 30 - 50% or more bark content may confer a shorter period of protection.

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Use Precautions:

- Cover crops for soil building or erosion control may be planted at any time, but DO NOT graze or harvest for food or feed. DO NOT graze treated areas or use clippings from treated areas for feed or forage.
- Do NOT apply PROKōZ 015 to soils that are waterlogged or saturated and avoid runoff or puddling of irrigation water following application.
- Do NOT allow lechate to run out for the first 10 days after application or reduced efficacy may result.
- Do NOT exceed a total of 1.6 pt. / Acre per year (0.4 lb. AI/A).

FOLIAR AND BROADCAST APPLICATIONS

PROKōZ 015 may be applied as a broadcast or foliar application to trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, foliage plants, ground covers, interior landscapes and vegetable plants intended for resale.

***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.

Application Instructions:

Apply PROKōZ 015 in sufficient water to provide adequate distribution in the treated area. Use of accurately calibrated equipment normally used for soil application of 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.

NOTE: When making foliar applications to plants with hard-to-wet foliage such as holly, pine or ivy, use of a spreader / sticker is recommended.

Pest	Application Method	Application Rate	Specific Instructions
Adelgids Aphids Japanese beetle (adult) Lacebugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Leafminers Mealybugs Sawfly larvae Thrips† Whiteflies	Foliar	1.7 fl. oz. (50 mL) per 100 gal. of water	Make applications prior to establishment of large pest populations and retreat as necessary. NOTE: Applying PROKōZ 015 foliarly after a soil application in the same crop is not recommended for resistance management purposes.
White grub larvae (such as Japanese beetle larvae, chafers, Phyllophaga spp., Asiatic garden beetle and Oriental beetle)	Broadcast	0.45 – 0.60 fl. oz. (13 to 17 mL) per 1000 sq. ft.	Mix the recommended amount of PROKōZ 015 in sufficient water to uniformly cover the area being treated using at least 2 gallons of water per 1000 sq. ft. For best results, incorporate the PROKōZ 015 into the upper soil profile by irrigating after the application is made.
† Suppression only.			

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IRRIGATION AND DRENCH APPLICATIONS

PROKōZ 015 may be applied to ornamental and vegetable plants in greenhouses, nurseries and interior landscapes using soil drenches, micro-irrigation, drip irrigation, overhead irrigation, ebb and flood irrigation, or hand-held or motorized calibrated irrigation equipment.

Use Precautions:

- On plants with a production cycle of less than one year, application is not to exceed a frequency of more than once each 16 weeks for a particular plant. On stock plants and woody crops with a production cycle of greater than one year, application may not exceed once a year.

RECOMMENDED RATES AND INSTRUCTIONS FOR IRRIGATION AND DRENCH APPLICATIONS

Application Site		Recommended Rate		Application Instructions	Pests Controlled
		Container Size (inches)	# of pots treated with 1.7 fl. oz. (50 mL)		
Plants in Containers	Herbaceous Species including Vegetables ⁵ (one or two plants per pot)	2	3000	Use sufficient water volume to wet most of the potting medium without loss of liquid through leaching. Irrigate moderately after application. To avoid loss of active ingredient due to leaching, do NOT allow leaching or runoff to occur for 10 days after application.	Adelgids Aphids Armored Scale (suppression) Fungus gnat (larvae only) ¹ Japanese beetles (adults) Lacebugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Mealybugs Psyllids Root mealybugs ² Root weevil complex (such as Black Vine Weevil, Apopka Weevil, Citrus Root Weevil) Soft scale Thrips (suppression) ⁴ White Grub Larvae (Such as Japanese beetle, Masked Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle) Whiteflies
		3	2000		
		4	1500		
		5	1200		
		6	1000		
		7	850		
		8	750		
		9	675		
		10	600		
		11	550		
		12	500		
		Woody Perennial Species or Herbaceous Species including Vegetables ⁵ (three or more plants per pot)	2		
3	1350				
4	1000				
5	800				
6	650				
7	550				
8	500				
9	450				
10	400				
11	350				
12	300				
Ornamental and Vegetable ⁵ plants grown in flats, benches, or beds			1.7 fl. oz. (50 mL) per 3000 sq. ft. Do NOT use less than 2 gallons of mixture per 1000 sq. ft.		Apply as a broadcast treatment and incorporate into the medium before planting or apply after plants are established. If application is made to established plants, optimum control will be attained if area is lightly irrigated after application. Do NOT allow leaching or runoff to occur for 10 days after application.
Containerized Plants	Container Size (gallons)	# of pots treated with 1.7 fl. oz. (50 mL)		For best results, make applications prior to egg hatch of the target pest. Apply in sufficient water to wet the potting medium. Irrigate moderately after application to move the active ingredient into the root zone.	
	1	340 to 244			
	2	280 to 210			
	3	220 to 165			
	5	160 to 110			
	7	100 to 75			
	10	60 to 45			
	15	40 to 30			
20	20 to 15				

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RECOMMENDED RATES AND INSTRUCTIONS FOR IRRIGATION AND DRENCH APPLICATIONS

Application Site	Recommended Rate	Application Instructions	Pests Controlled
Field and Forest Nurseries	1.7 fl. oz. (50 mL) per 1000 ft of row or 3000 sq. ft. in a minimum spray volume of 2 gallons per 1000 square feet. In areas of turf, apply as a broadcast application using 1.35 – 1.7 fl. oz. (40 to 50 mL) per 3000 sq. ft. in a minimum spray volume of 2 gallons per 1000 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 ensure greater consistency of control. Apply May through July. For best results, treatment should be followed by rainfall or irrigation.	White grub larvae (such as Japanese beetle, Masked chafers, European chafer, Oriental beetle, Asiatic garden beetle)

- ¹ Fungus Gnat larvae in the soil will be controlled by drench or incorporation; PROKōZ 015 does not control adult Fungus Gnats. Other foliar insect control is achieved translocating the active ingredient up into the plant via the root system.
- ² To control root mealybug, a thorough drenching of the containerized media is necessary. Use a rate of 1.7 fl. oz. (50 mL) in 150 gallons of water and be sure to obtain complete coverage while minimizing the amount of leachate.
- ³ For control of citrus root weevil on non-bearing citrus nursery stock ONLY.
- ⁴ Thrips on foliage only are suppressed, not in buds and flowers.
- ⁵ 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 RATES AND INSTRUCTIONS FOR NURSERY, GREENHOUSE AND INTERIOESCAPE PLANTS

Application Site	Recommended Rate	Application Instructions	Pests Controlled
Trees NOTE: Application to trees already heavily infested may not prevent the eventual loss of the trees due to existing pest damage and tree stress.	0.1 – 0.2 fl. oz. (3 to 6 mL) per inch of trunk diameter (DBH)	SOIL INJECTION – No Soil Injection Application allowed in Nassau or Suffolk counties of New York. GRID SYSTEM: Holes should be spaced on 2.5 ft 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) extending in from the drip line of the tree. 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. For optimum control, keep the treated area moist for 7 to 10 days. Do not use less than 4 holes per tree.	Adelgids Aphids Armored Scale† Black vine weevil larvae Eucalyptus Longhorned Borers Flatheaded Borers (including bronze birch and alder borers) Japanese Beetles (adults) Lacebugs Leaf Beetles (including elm and viburnum leaf beetles)
		SOIL DRENCH: Remove plastic or any other barrier that will stop solution from reaching the root zone. Uniformly apply around the base of the tree, direct to the root zone as a drench in no less than 10 gallons of water per 1000 square feet.	Leafhoppers (including glassy-winged sharpshooter) Leafminers
Shrubs	0.1 – 0.2 fl. oz. (3 to 6 mL) per foot of shrub height	SOIL INJECTION – No Soil Injection Application allowed in Nassau or Suffolk counties of New York. Mix required dosage in sufficient water to inject an equal amount of solution in each hole. Using a minimum of 4 holes per shrub, apply to individual plants maintaining 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.	Mealybugs Pine Tip Moth larvae Psyllids Royal Palm Bugs Sawfly larvae Soft Scales Thrips†
		SOIL DRENCH: Remove plastic or any other barrier that will stop solution from reaching the root zone. Uniformly apply around the base of the tree, direct to the root zone as a drench in no less than 10 gallons of water per 1000 square feet.	White grub larvae Whiteflies

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RECOMMENDED RATES AND INSTRUCTIONS FOR NURSERY, GREENHOUSE AND INTERIORSCAPE PLANTS			
Application Site	Recommended Rate	Application Instructions	Pests Controlled
Flowers and Ground Cover	0.45 - 0.60 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. If application is made to established plants, optimum control will be attained if area is irrigated thoroughly after application.	
† Suppression only of these species.			

EBB AND FLOOD APPLICATIONS

PROKōZ 015 insecticide may be applied through Ebb and Flood applications. To assure accurate uptake it is recommended that prior to treatment, a minimum of 10 plants be brought up to a known field capacity and allowed to dry out for one or two days. Re-wet these plants to determine how much water on average each plant will absorb to return it to field capacity.

RECOMMENDED RATES AND INSTRUCTIONS FOR EBB AND FLOOD APPLICATIONS					
Application Site		Recommended Rate		Application Instructions	Pests Controlled
Plants in Containers	Herbaceous species including vegetable plants ⁵ (one or two plants per pot)	Container Size (inches)	mL per 100 Plants	To minimize the return back to the storage tank, keeping pot sizes uniform use the volume absorbed per plant (see test above) multiplied by the number of pots being treated. Add to this volume a required minimum to flood your smallest treatment area. Re-use the returned volume with subsequent irrigation or nutrients on the same plants.	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 Psyllids Root mealybugs ² Root Weevil Complex: (such as Apopka Weevil, Black Vine Weevil, Citrus Root 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	1.6		
		3	2.5		
		4	3.3		
		5	4.2		
		6	5.0		
		7	5.9		
		8	6.6		
		9	7.4		
		10	8.3		
		11	9.0		
		12	10.0		
	Woody perennials, herbaceous species including vegetable plants ⁵ (3 or more per pot)	Container Size (inches)	mL per 100 Plants		
		2	2.5		
		3	3.7		
		4	5.0		
		5	6.3		
		6	7.7		
		7	9.1		
		8	10.0		
		9	11.1		
		10	12.5		
		11	14.3		
		12	16.7		

¹ Fungus Gnat larvae in the soil will be controlled by drench or incorporation; PROKōZ 015 does not control adult Fungus Gnats. Other foliar insect control is achieved translocating the active ingredient up into the plant via the root system.

² To control root mealybug, a thorough drenching of the containerized media is necessary. Use a rate of 1.7 fl. oz. (50 mL) in 150 gallons of water and be sure to obtain complete coverage while minimizing the amount of leachate.

³ For control of citrus root weevil on non-bearing citrus nursery stock ONLY.

⁴ Thrips on foliage only are suppressed, not in buds and flowers.

⁵ 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.

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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in 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.

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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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