

9198-244

08/27/2013

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

NOTIFICATION

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

AUG 27 2013

Debbie Ziehr
The Andersons Lawn Fertilizer Division, Inc.
P.O. Box 119
Maumee, OH 43537

Subject: **Notification:** to delete the statement "...[until] spray has dried..." from the Non-Agricultural Use Requirements box since the product is a dry granule
The Andersons GrubOut DG
EPA Reg. No. 9198-244
Your submission dated: August 22, 2013

Dear Ms. Ziehr:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 8-22-2013 for the product EPA Reg No. 9198-244. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please contact me @ 703-305-5314 or Metzger.autumn@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Autumn Metzger".

Autumn Metzger
Biologist
Insecticide-Rodenticide Branch
Office of Pesticide Programs

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 9198-244	2. EPA Product Manager Eagle	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) The Andersons Professional Turf Products Weedgrass Control	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) The Andersons Lawn Fertilizer Division, Inc. P.O. Box 119 Maumee, OH 43537 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. 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

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION
AUG 27 2013

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

Notification of label change per PR Notice 98-10: Labeling change requested per Meredith Law's email dated 8/15/13 (see attached)

This notification is consistent with the guidance of PR Notice 98-10 and the requirements of EPA's regulations at 40 CFR 156.10 and 40 CFR 152.46 and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the guidance of PR Notice 98-10 and the requirements of 40 CFR 156.10 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:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container	Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label	
6. Manner in Which Label is Affixed to Product				<input type="checkbox"/> Other _____	
				<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Debbie Ziehr	Title Regulatory Administrator	Telephone No. (Include Area Code) 419-891-6671
2. Signature 		6. Date Application Received (Stamped)
3. Title Regulatory Administrator		
4. Typed Name Debbie Ziehr	5. Date 8/22/2013	
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 knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		

NOTIFICATION
AUG 27 2013

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Page 1 of 10

The Andersons® GrubOut® DG

For systemic insect control in turfgrass, residential lawns, golf courses, sod farms, commercial and residential landscape plantings, ornamental trees, shrubs, parks, recreational areas, athletic fields and ornamentals, ornamental fruit and nut trees and vegetable plants in greenhouses, nurseries and interior landscapes.

Optional front panel claims:

- Controls early nymph stages of mole crickets
- Ideal for white grub control
- Ideal for control of listed subsurface pests
- Contains GrubOut® Insecticide, contains the active ingredient imidacloprid
- Specified use rates allow targeting of specific insects
- Patented Dispersing Granule Formula
- Patented Dispersing Granule Formula greatly reduces loss due to ball, shoe & mower pickup
- Self incorporates with irrigation or rainfall
- Uniform granules for accurate application

Active Ingredients

Imidacloprid..... 0.2%

Other Ingredients..... 99.8%

Total 100.0%

TCAS No. 138261-41-3

EPA Reg. No. 9198-244

EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A

Underlined letter is first letter used in run code on bag

Net Weight XX lbs. (XX kg)

The Andersons logo and GrubOut are registered trademarks of The Andersons, Inc.

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, if present, after the first 5 minutes, then continue rinsing • Call a poison control center or doctor for treatment advice
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information.	
Note to Physician: No specific antidote is available. Treat patient symptomatically.	

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Personal Protective Equipment (PPE):

WPS Uses: The following Personal Protective Equipment requirements apply to uses covered under the Worker Protection Standard (40CFR Part 170), i.e. sod farm uses:

Applicators and other handlers must wear:

- Protective eye 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. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.
- Shoes and socks

Non-WPS Uses: The following Personal Protective Equipment requirements apply to uses other than those covered by the WPS:

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. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.
- Shoes and socks

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

Engineering controls statement:

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.

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 pesticide 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 cleaning equipment or when disposing of equipment washwaters.

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.

READ ALL DIRECTIONS PRIOR TO APPLICATION OF THE PRODUCT

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.

RESTRICTIONS FOR ALL USES

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

Do not apply to soils which are water-logged or saturated. This condition will not allow the penetration of water into the root zone of the plants.

Do not over-irrigate or allow excessive runoff to occur following an application of this product.

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.

Rotational Plant Back Intervals

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 immediately, except for cereals (including buckwheat, millet, oats, rye, triticale and rice) and safflower which have a 30-day plant back interval.

For crops not listed on an imidacloprid label, or for crops for which no tolerance for the active ingredient has been established, a 12 month plant-back interval must be observed.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Workers 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.

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
- Shoes plus socks
- Protective eye wear

NON-AGRICULTURAL USE REQUIREMENTS

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

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dusts have settled.

APPLICATION TO TURFGRASS

Product Use Information

This product controls listed subsurface feeding and insect pests on turfgrass, lawns (both residential and commercial), sod farms, golf courses, grounds or lawns of office complexes, shopping centers, multi-family and residential apartment complexes, airports, cemeteries, parks, picnic areas, playgrounds, schools, athletic fields, military and other institutions. It works systemically and will move upward within the plant. Each dry applied granule will disperse into thousands of particles with irrigation or rainfall, facilitating movement of the product to the roots of the plant, allowing the plant to absorb the active ingredient.

Application Timing

Treat prior to or during the egg laying activity and before the eggs hatch. Applications made prior to the pest infestation followed by adequate irrigation will result in the best control. Determine the need and timing of application by local site monitoring, prior history of pest infestation, current adult trappings or other methods. The regional differences in pest species pressure, timing for optimal control, pest monitoring methods and other particulars for your location will vary, so consult your cooperative extension service for details. To find your local extension agent, visit www.csrees.usda.gov.

Application Directions

Apply uniformly over the treatment area with either a broadcast or drop type spreader. Do not use spreaders which will apply product in narrow, concentrated bands. Apply only the specified amount in the following table. Calibrate the spreader before use and check periodically to ensure the equipment is working properly. Do not use overlaps that will increase rates above those specified. Failure to follow the Directions for Use and all precautions may result in turf injury or poor pest control.

Irrigate if there has not been rainfall within 24 hours after application with enough water to thoroughly wet the underlying soil; this washes the active ingredient down below the turf and thatch, and it encourages the subsurface pests to move upward in the soil profile where they will come in contact with the active ingredient. For best pest control and turf culture, minimize thatch buildup to no more than 0.5 in., using mechanical removal methods as needed.

Recent research has shown that well-maintained turf is an effective environmental buffer that prevents pollutants from entering our natural water bodies. To help protect these natural resources, do not apply product to sidewalks, driveways, roadways, and other impervious surfaces which are adjacent to storm drains. Sweep any misplaced granules back onto the area you are treating immediately after application, since storm drains often empty directly to nearby waterways.

Application Rates - Turfgrass

Pest	Amount of Product
White Grub Larvae, such as: Annual bluegrass weevil, (<i>Hyperodes</i> spp.) Aphodius, (<i>Aphodius</i> spp.) Asiatic garden beetle, (<i>Maladera castanea</i>) Billbugs, (<i>Sphenophorus</i> spp.) Black turfgrass ataenius, (<i>Ataenius spretulus</i>) European chafer, (<i>Rhizotroqus majalis</i>) Japanese beetle, (<i>Popillia japonica</i>) May or June beetles, (<i>Phyllophaga</i> spp.) Northern & Southern masked chafers, (<i>Cyclocephala borealis</i> , <i>C. immaculata</i> , and/or <i>C. lurida</i>) Oriental beetle, (<i>Anomala orientalis</i>)	125 – 200 lbs./acre or 3.0 – 4.5 lb./1,000 sq. ft.
Crane Fly, such as European species, (<i>Tipula</i> spp.)	125 – 200 lb./acre or 3.0 – 4.5 lb./1,000 sq. ft.
Mole crickets, (<i>Scapteriscus</i> spp.)	200 lb./acre or 4.5 lb./1,000 sq. ft.

Restrictions

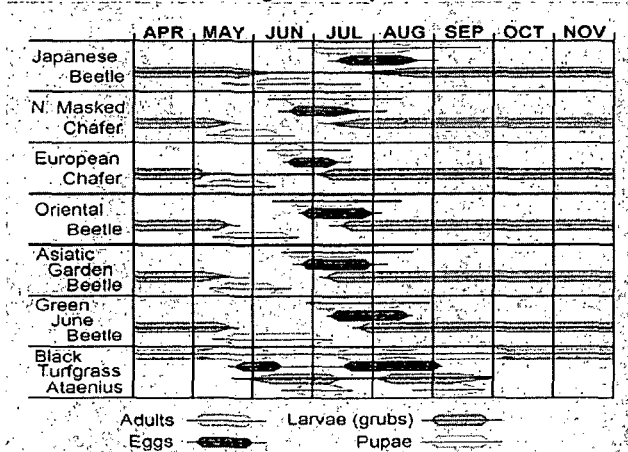
- Do not apply more than 200 lbs. of product per acre (0.4 lb. active ingredient per acre) per year.
- Do not apply to vegetable gardens.
- Do not apply to saturated soils or waterlogged areas. The product cannot penetrate into the root zone of the plant in these conditions.
- Do not mow turf until after the treatment area has received adequate irrigation or rainfall.

White grubs: Ideal timing for preventative applications are made is the time of peak adult flight activity as determined by local site monitoring, or as recommended by local cooperative extension agents. This is also the primary egg laying period, which will yield the best results.

Cool Season Turf Regions

The white grub life cycle chart for the **cool season turf regions** below illustrates application timing that will control many of the grub species when they are most vulnerable. During this period, adequate grub control can be obtained at 3.0 pounds per 1,000 sq. ft. in all but the most extreme situations (heavy thatch, heavy insect pressure) where the 4.5 lbs per 1,000 sq. ft. rate is necessary for adequate control.

Chart: Cool season white grub life cycle



(chart reprinted with permission of Dr. David Shetlar, Entomologist, Ohio State University)

Irrigate if there has not been rainfall within 24 hours after application with enough water to thoroughly wet the underlying soil. Use higher listed application rates in areas of heavy pressure and where thatch is present in excess of 0.5 in. thickness. Reduce thatch by mechanical means for best turf quality and better control of grub species.

Crane Fly (such as European species): Adults emerge from the soil to lay eggs from late August to mid-September. In areas with historic problems, an October treatment can be used to control this pest at this early, most vulnerable larval stage, which will avoid damage the following year. Otherwise, monitor turf areas in winter and early spring when there is a consistent warmer period, treating when the larvae are present. Discontinue monitoring and control measures in late April, because these pests pupate and stop feeding soon after that time.

Mole Crickets

Adults: Use this product in conjunction with a remedial insecticide to control adult or large nymph mole crickets.

Nymphs: Treat grass areas that receive intense adult mole cricket pressure in the spring 1 week before or no later than 2 weeks after peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where the insecticide is most concentrated. Control of larger, more damaging nymphs later in the year may require more frequent applications to maintain acceptable control. Immediately after treatment, water in application up to 0.5 inches water. If the soil is moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized.

APPLICATIONS TO ORNAMENTAL TREES, SHRUBS, EVERGREENS, FLOWERS, FOLIAGE PLANTS AND GROWDCOVERS

For use only in and around industrial and commercial buildings, residential areas, and state, national and private wooded and forested areas to control the following insect pests:

- Adelgids (including hemlock woolly adelgid)
- Aphids
- Armored scales (suppression) (including Camellia, false oleander, Florida red, oystershell, tea and white peach scales)
- Bark beetles (suppression)
- Billbug larvae
- Catepillars (including Gypsy moth and fall webworm)
- Eucalyptus longhorned borer
- Flatheaded borers (including bronze birch borer and alder borer)
- Fungus Gnat larvae
- Japanese beetle adult
- Lace bugs
- Leaf beetles (including elm, viburnum and lily leaf beetles)
- Leafhoppers, planthoppers, sharpshooters (including glassy-winged sharpshooter) and spittlebugs
- Leafminers (including Birch and Boxwood leafminers)
- Mealybugs
- Plant bugs
- Pine tip moth larvae
- Psyllids
- Root weevil larvae (including Black vine weevil larvae)
- Roundheaded borers (including Eucalyptus Longhorned borer)
- Royal palm bugs
- Sawfly larvae
- Soft scales (including lobate lac scales)
- Thrips (suppression)
- Vine weevil adult

White grub larvae (such as Japanese beetle, Chafer, European Chafer, Oriental beetle, Asiatic Garden beetle)
Whiteflies

Use	Application rate	Comments
Ornamental Trees	Apply 1.5 lbs. of product per 1-2 inches of cumulative trunk diameter (DBH) Diameter at Breast Height (DBH) is measured at 4.5 feet from the ground.	Listed borers – Application to ornamental trees that are already heavily infested may not save the tree, due to existing damage and stress. Apply listed amount of product evenly to the soil surface, under the canopy of the tree. Rainfall or irrigation will water product to tree root zone where product will be absorbed into the plant.
Shrubs	Apply 1.5 lbs. of product per 1-2 feet of cumulative shrub height	Before application, remove any weed barrier material that does not allow water permeability. Apply listed amount of product evenly within 1-2 feet of the base of the shrub. Brush or wash off any granules from plant foliage to prevent plant injury.
Flowers and Groundcovers	Apply 4.5 lbs. of product per 1,000 sq. ft.	Can be applied before planting or to established plants. Apply product evenly over area to be treated and irrigate with 1/4 inch of water. Brush or wash off any granules from plant foliage to prevent plant injury.

Restrictions

- Do not apply more than 200 lbs. of product per acre (0.4 lb. active ingredient per acre) per year.
- Do not apply to vegetable gardens.
- Do not apply to saturated soils or waterlogged areas. The product cannot penetrate into the root zone of the plant in these conditions.

APPLICATION TO NURSERY AND GREENHOUSE

This product controls listed subsurface feeding and insect pests on ornamental fruit and nut trees and commercial vegetable plants in greenhouses, nurseries and interior plantscapes. It works systemically and will move upward within the plant. Each dry applied granule will disperse into thousands of particles with irrigation or rainfall, facilitating incorporation of the product to the roots of the plant, allowing the plant to absorb the active ingredient. After application, apply 1/4 inch of water to treated area. Do not allow leaching or runoff from containers for at least 3 irrigations or 10 days, whichever is longer.

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For systemic insect control on ornamental fruit and nut trees, and vegetable plants in greenhouses, interior landscapes, and nursery ornamentals grown in flats, benches, beds and containers.							
PEST	USE PATTERN	DOSAGE					
		Container	Bulk Application		Topical application		
		Size (inches)	Pots/cu. Yd. of mix	Bulk rate lbs/cu. Yd.	Topical rate level teaspoon	Grams/pot	
Adelgids	Herbaceous Species including vegetable plants ⁶ (1 or 2 plants/pot)	2.0 to 3.0	4500 to 3200	35.0 to 17.50	2/3 to 1-1/3	2.5 to 5.0	
Aphids		3.5 to 5.0	1600 to 1300	19.5 to 15.0	1-1/3 to 2.0	5.0 to 7.0	
Armored Scale (suppression)		5.5 to 7.0	900 to 400	9.0 to 6.0	2.0 to 2-3/4	7.0 to 10.0	
Borers		8.0 to 10.0	200 to 160	5.0 to 4.0	2-3/4 to 3-3/4	10.0 to 13.5	
Alder Borer	Herbaceous Species including vegetable plants ⁶ (3 or more plants/pot)	11.0 to 12.0	80 to 60	4.0 to 2.5	3-3/4 to 5-2/3	13.5 to 20.5	
Bronze Birch Borer		2.0 to 3.0	4500 to 3200	45 to 35	1-1/3 to 1-3/4	5.0 to 6.5	
Eucalyptus longhorned Borer		3.5 to 5.0	1600 to 1300	30 to 20	1-3/4 to 2-3/4	6.5 to 10.0	
Flathead borers (including Bronze Birch and Alder Borer)		5.5 to 7.0	900 to 400	12.5 to 10.0	2-3/4 to 3-3/4	10.0 to 13.5	
Fungus gnats (larvae only) ¹	Woody Perennial Species (including ornamental fruit and nut trees)	8.0 to 10.0	200 to 160	7.5 to 5.0	3-3/4 to 5-2/3	13.5 to 20.5	
Japanese beetles (adults)		11.0 to 12.0	80 to 60	5.0 to 4.0	5-2/3 to 8-1/4	20.5 to 30.5	
Lacebugs	Remarks Bulk Rate Application: Mix the specified amount of product per cubic yard of medium. Mix thoroughly before filling pots and transplanting. Topical Application: May be applied at transplanting, repotting or on established containerized plants. Irrigate after application to disperse granules. Do not allow significant leaching and runoff for 3 irrigations or 10 days, whichever is longer.						
Leaf beetles (including Elm and Viburnum leaf beetles)		1 Gallon	260 to 230	25.0 to 12.5	6-3/4 to 13-3/4	25 to 50	
Leafhoppers (including glassy-winged sharpshooter)		2 Gallon	125 to 100	22 to 11	13-3/4 to 27-1/2	50 to 100	
Leafminers		3 Gallon	70 to 60	16.5 to 8.5	20-2/3 to 41-1/3	75 to 150	
Root Mealybugs ²		5 Gallon	50 to 30	10 to 5	24-3/4 to 51.0	90 to 185	
Pine Top Moth larvae		Remarks					
Psyllids		For optimum control, make applications prior to egg hatch of the target pest. Irrigate moderately after application to disperse the granules and move the active ingredient to the root zone.					
Root Weevil Complex (such as Black vine Weevil, Apopka Weevil, Citrus Root Weevil ³)		Ornamental plants and vegetable plants ⁵	Containerized plants grown in flats, on benches or in beds	Apply 4.5 lbs. per 1,000 sq. ft.			
Royal Palm Bugs		Remarks					
Sawfly larvae ⁴		Apply as a broadcast treatment to established plants. Irrigate after application to disperse granules. Do not allow significant leaching and runoff for 3 irrigations or 10 days, whichever is longer.					
Soft Scale							
Thrips (suppression) ⁵							
Whiteflies							
White Grub Larvae (such as Japanese Beetle, Chafer, European Chafer, Oriental Beetle, Asiatic Garden Beetle)							

1 level teaspoon of this product = 3.63 grams, 3 teaspoons = 1 tablespoon

- ¹ **Fungus gnat larvae** in the soil will be controlled by incorporation. **No adult Fungus Gnat control.** Other foliar insect control is achieved by the uptake of this product from a healthy root system translocating the active ingredient up into the plant.
- ² **Root Mealybug** control will require a thorough incorporation of containerized media. Coverage is essential for control while minimizing the amount of leachate. Use bulk application dosage.
- ³ **Citrus Root Weevil:** For use on non-bearing citrus nursery stock.
- ⁴ **Pine Sawfly larvae** feed in the early spring on mature foliage. Apply product in the fall prior to larvae emergence.
- ⁵ **Thrips** suppression on foliage only. Thrips in buds and flowers will be not be suppressed.
- ⁶ **Restrictions:** For use on vegetable plants intended for resale only. Broccoli, Chinese Broccoli, Broccoli Raab, Brussel Sprouts, Cabbage, Chinese Cabbage, Cauliflower, Collards, Eggplant, Ground Cherry, Kale, Kohlrabi, Lettuce, Mustard Greens, Pepinos, Peppers, Potatoes, Rape Greens, Sorghum, Sugarbeets, Tomatillo, and Tomato

Restrictions

- Do not harvest or consume fruit or nut from ornamental trees that have been treated within 1 year (365 days).
- Do not apply to vegetable gardens.
- Do not apply to saturated soils or waterlogged areas. The product cannot penetrate into the root zone of the plant in these conditions.
- For outdoor plants grown in the ground, application cannot exceed a total of 200 lbs. of product (0.4 lb. active ingredient) per acre per year.

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For use on nursery ornamentals			
PEST	USE PATTERN	DOSAGE	REMARKS
White Grub Larvae (Such as: Japanese Beetle, Masked Chafers, European Chafer, Oriental Beetle, Asiatic Garden Beetle)	Field and Forest Nurseries	Apply as a uniform band on either side of row using a band six (6) inches wider than the actual root ball diameter to be dug. Do not allow bands in adjacent rows to overlap. Use 4.5 lbs. per 1,000 sq. ft. For grub control in areas of turf, apply as a broadcast application using 4.5 lbs. per 1,000 sq. ft.	Vegetation in the area to be treated should be mowed to a height of 3 inches or less prior to application. Mowing to the lowest possible height will insure greater consistency of control. Apply May through July. Treatment must be followed by rainfall or irrigation.

Resistance: Some insects are known to develop resistance to insecticides after repeated use. Use this product in conformity with resistance management strategies established for the use area. Consult your local Cooperative Extension Service for resistance management strategies and recommended pest management practices for the treatment area.

For resistance management purposes do not apply a foliar application of any chloronicotinyl insecticide following an application of this product.

Woody Perennials: Protection of woody perennials will begin later than herbaceous species. Expect protection to be delayed 2 or more weeks. Larger plants will experience longer delays. Applications should be timed to be made in advance of the expected insect activity.

Bark Media: Media containing 30% or more bark content may have a shorter period of protection.

APPLICATION TO GRASSY AREAS IN NURSERIES

This product maybe used to control pests residing in grassy areas of nurseries, such as under or around field or container grown plants, on roadways or other grassy areas in or around nurseries. When used as directed it will control pests such as Northern & 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 beetles, *Phyllophaga spp.*; Japanese beetle, *Popillia japonica*; Oriental beetle, *Anomala orientalis*, *Euethola humilus rugiceeps*; Billbugs, *Sphenophorus spp.*; Annual bluegrass weevil, *Listronotus maculicollis*; Black turfgrass ataenius, *Ataenius spretulus* and *Aphodius spp.* and mole crickets, *Scapteriscus spp.* It will also suppress cutworms and chinchbugs.

Treat prior to or during the egg laying activity and before the eggs hatch. Applications made prior to the pest infestation followed by adequate irrigation will result in the best control. Determine the need and timing of application by local site monitoring, prior history of pest infestation, current adult trappings or other methods. The regional differences in pest species pressure, timing for optimal control, pest monitoring methods and other particulars for your location will vary, so consult your cooperative extension service for details. To find your local extension agent, visit www.csrees.usda.gov.

Restrictions:

- Do not apply to saturated soils or waterlogged areas. The product cannot penetrate into the root zone of the plant in these conditions.
- For outdoor plants grown in the ground, application cannot exceed a total of 200 lbs. of product (0.4 lb. active ingredient) per acre per year.

Spreader Settings

These spreader settings are not intended to replace calibration.
Calibrate your spreader before applying product.

- XX lbs. treats X,XXX sq. ft. at the 125 lbs. product/acre - LIGHT RATE (3.0 lbs./1,000 sq. ft. rate)
- XX lbs. treats X,XXX sq. ft. at the 150 lbs. product/acre - LOW RATE (3.5 lbs./1,000 sq. ft. rate)
- XX lbs. treats X,XXX sq. ft. at the 175 lbs. product/acre - MEDIUM RATE (4.0 lbs./1,000 sq. ft. rate)
- XX lbs. treats X,XXX sq. ft. at the 200 lbs. product/acre - HIGH RATE (4.5 lbs./1,000 sq. ft. rate)

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			LIGHT 0.25 lbs. ai/A	LOW 0.30 lbs. ai/A	MEDIUM 0.35 lbs. ai/A	HIGH 0.40 lbs. ai/A
aa	X mph	XX ft/	X	X	X	X
bb	X mph	XX ft	X	X	X	X
cc	X mph	XX ft	X	X	X	X

Note: This list of spreaders and settings will vary dependent on market availability of spreaders. (this note will not appear on final label)

These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. Calibrate all spreader equipment at the time of application to achieve the desired application rate.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original container only. Store in cool, dry place and avoid excess heat.

PESTICIDE DISPOSAL: Wastes resulting from the use of the product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation 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 Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. To the extent consistent with applicable law manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Manufactured by:
The Andersons Lawn Fertilizer Division, Inc.
PO Box 119
Maumee, OH 43537

{website address}
SGN XXX

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