

228-510

11/8/2011

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



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

NOV 08 2011

Matthew Granahan
Nufarm Americas, Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

Subject: Amendment to add diagrams, optional spreader/calibration text and how to
calculate total lawn area
Mallet 0.2 Granular Insecticide
EPA Registration No. 228-510
Your Submissions Dated August 10, 2011

Dear Mr. Granahan:

The labeling referred to above submitted in connection with the Federal Insecticide,
Fungicide and Rodenticide Act, as amended is acceptable.

A stamped copy of the labeling is enclosed for your records. Please submit one final
printed copy of the labeling before releasing the product for shipment. If you have any questions
regarding this label, please contact Autumn Metzger at (703) 305-5314 or
metzger.autumn@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Venus Eagle".

Venus Eagle
Product Manager (1)
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure

2009

Mallet® 0.2

GRANULAR INSECTICIDE

FOR OUTDOOR RESIDENTIAL USE ON LAWNS AND LANDSCAPED AREAS.

RESTRICTION: Not for sale, use, or distribution in or into Nassau, Suffolk, Kings or Queens Counties, New York.

ACTIVE INGREDIENT:	
Imidacloprid	0.2%
OTHER INGREDIENTS:	99.8%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION
 SEE SIDE PANELS FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
 For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-510
 EPA EST. NO.

Manufactured For
 NUFARM AMERICAS INC.
 150 Harvester Drive
 Burr Ridge, IL 60527



Net Weight: Lbs. (Kg)

000228-00510.20111103.EPA Amendment

ACCEPTED
 NOV 08 2011
 Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended, for the
 pesticide registered under:

EPA. Reg. No: 228-510

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

Harmful if absorbed through skin. Causes minimal eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 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.
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.
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 1-877-325-1840 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
No specific antidote is available. Treat the patient symptomatically.	

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish and aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
For use on lawns, landscaped areas and plantings such as around ornamental trees, shrubs, flower and ornamental beds.

RESTRICTIONS:

- DO NOT** apply near fish pools, ponds, streams or lakes.
 - DO NOT** use on sod farms.
 - DO NOT** use more than 200 pounds of this product (0.4 lbs a.i.) per acre per year [4.5 pounds of this product (0.09 lbs a.i.) per 1,000 square feet per year].
 - DO NOT** apply this product to potential treated areas that are waterlogged or saturated with water. This product may not work effectively in these times of conditions.
 - DO NOT** harvest or consume fruit or nuts from trees that have been treated within 1 year (365 days).
- Keep children and pets off treated area until it has dried.

PRODUCT INFORMATION

This product can be used for control of soil pests such as mole crickets and white grubs, including the larvae of Japanese beetle, Oriental beetle, Chafers, Asian garden beetle, May beetle, June beetle and black turfgrass ataenius. This product can also be used to control billbugs, cutworms, Chinch bugs and European crane fly larvae.

TURF GRASSES

Treat when insects first appear. Apply this product evenly over the turfgrass area at the use rate indicated in the above table, using a properly calibrated drop or rotary spreader. A more uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at a right angle to the first. If rainfall has not occurred within 24 hours after application, irrigate treated turfgrass area to move the active ingredient through the thatch and down into the soil. Do not mow lawn until after irrigation or rainfall has occurred so that uniformity of the application will not be affected.

PEST	USE RATE PER 1,000 SQ. FT.
White grubs, including the larvae of Japanese beetle, Oriental beetle, Chafers, Asian garden beetle, May beetle, June beetle and Black turfgrass ataenius billbugs, Cutworms, Chinch bugs and European crane fly larvae.	2.87 pounds
Mole crickets	3.80 pounds

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FLOWER BEDS, GROUND COVERS, ORNAMENTAL TREES AND SHRUBS

Application Instructions

Apply this product at the rate of 2 tablespoons per 10 square feet of planting bed (1-1/4 cups per 100 square feet of planting bed). Evenly spread granules to the soil over flower beds, ground cover plantings, shrub beds and under ornamental trees. The use of a hand-held spreader is recommended. Rake granules into the soil around plants. Water thoroughly after application.

5049

This product works best when applied before mole crickets and grubs hatch. If necessary, consult your local State extension agent for the ideal times to apply this product in your area.

SPREADER SETTINGS

Broadcast Spreaders: For best results, apply in a circular path starting on the outside and working toward the center. A little overlap of product will ensure complete coverage.

Drop Spreaders: First, apply 2 border strips along the edge of each end of the lawn. Then apply product along the length of the lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips.

Applications Instructions

See Spreader Settings chart below. Adjust spreader to the appropriate setting. Make sure that the spreader works properly and spreads granules uniformly. Apply to the border and then fill in the center to ensure the entire area is covered completely. To make sure that the product is evenly distributed, walk at a steady pace making parallel passes. **DO NOT** use a spreader that applies granules in narrow, concentrated or uneven bands. Water thoroughly after application.

Important: It is important to follow the directions as indicated on this quality lawn care product as over-application may cause injury to the lawn. Measure the size of the area to be treated and do not over or under apply. Spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied, and roughness of area treated. Calibrate spreader prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing uniformly. Close spreader when filling, stopping or turning. **DO NOT** hand spread.

Note: Following will be a list of application spreaders and approximate settings. This list will vary dependent on market of spreaders. (This note will not appear on final printed label.)

Spreader	<u>2.87 lbs./1,000 sq.ft.</u>	<u>3.80 lbs./1,000 sq.ft.</u>
aa	XX	XX
bb	XX	XX
cc	XX	XX

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 a cool, dry place and avoid excess heat.

PESTICIDE DISPOSAL AND CONTAINER HANDLING: Nonrefillable container. **DO NOT** reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.**

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV110311)

Mallet is a Registered Trademark of Nufarm Americas Inc.

Optional performance guarantees:

Optional language:

Ready-To-Use

Contains Mallet Insecticide

STOP. Read entire label before use.

Results Guaranteed

100% Satisfaction Guaranteed or your money back

GUARANTEED RESULTS OR YOUR MONEY BACK

If you are not satisfied with this product for any reason, send your written request for a refund to the address at left, together with the original dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.

One application kills white grubs, mole crickets and European crane flies all year round.

Season long grub control

Apply anytime from spring through late summer

One application stops/kills grubs all season long

Apply before insects hatch to prevent turf damage

14.35 lb. treats up to 5,000 square feet (XX lbs. treats up to XXXX square feet)

This product kills grubs all season long with a single application.

Keeping you lawn free of damaging grubs has never been easier.

Visit our website at {address}

Contains Mallet

Contains Mallet Grub killing insecticide

Treats up to 5,000 sq. ft.

Treats up to 3,775 square feet for Mole Crickets

One application kills grubs [including] [larvae of] [Asiatic Garden Beetle]. [Black Turfgrass Ataenius]. [Chafers]. [Japanese Beetle], [May or June Beetle], [and] [Oriental Beetle] all season long.]

Apply anytime from May through mid-August

One application kills [White] [Grubs] [and] [European Crane Fly Larvae] all season long

Kills [White] [Grubs] [and] [European Crane Fly Larvae] before they damage lawns.

Easy-to-Use Granules

For use on lawns, ground covers, flower beds, and around ornamental trees & shrubs.

Kills grubs, European crane fly larvae and mole crickets [Also] controls [kills] [cutworms] & [Chinch bugs].

This product is for use on lawns, flower beds, ground covers, ornamental trees and shrubs to control White Grubs (including larvae of Asiatic Garden Beetle, Black Turfgrass Ataenius, Chafers, Japanese Beetle, May or June Beetle, and Oriental Beetle), Mole Crickets and European Crane Fly Larvae.

For best results, apply this product before grubs, mole crickets or European crane fly larvae hatch and can cause damage. Contact your County Extension Agent for the best dates to apply in your area.

[Helps your lawn stay strong during the stressful summer months] (may be included on label if marketed on fertilizer carrier)

[14-0-3] (may be included on label if marketed on fertilizer carrier)

PESTS CONTROLLED	WHEN TO APPLY	INDICATION OF DAMAGE	USE RATE PER 1,000 SQ. FT.
Grubs	Apply once anytime from May through mid-August	White grubs cause widespread damage to lawns by feeding on grass roots, causing it to turn yellow, then brown and die.	2.87 pounds
European crane fly larvae	Apply once, when these insects are present in large numbers.	European crane fly larvae cause damage by feeding on grass roots and disturbing the soil surface.	2.87 pounds
Mole Crickets	Apply once anytime from mid-May through mid-June. Florida residents - Apply once anytime between early April through early May.	Mole crickets cause widespread damage by tunneling through the soil, while some species also feed on roots. Tunneling through the soil uproots the grass causing it to dry out, become thin and weedy, turn yellow and eventually die.	3.80 pounds
Application Instructions <ul style="list-style-type: none"> • Apply early before grubs, mole crickets and European crane fly larvae hatch. • Irrigate thoroughly within 24 hours of application to form a protective zone in the soil. • This product can be applied over soil or mulch. Remove black plastic or other weed barrier material prior to application. • Application to water saturated soils may decrease product effectiveness. Restrictions <ul style="list-style-type: none"> • Keep children and pets off treated area until it has dried. • DO NOT apply to water saturated areas. • DO NOT Mow granules are watered into the soil. 			

Spreader Settings*

Rate for Grubs and European Crane Fly Larvae: 2.87 pounds per 1,000 square feet.

Rate for Mole Crickets: 3.80 pounds per 1,000 square feet.

Broadcast Spreaders Model	Rate Setting 2.87 lbs./ 1,000 sq. ft.	Rate Setting 3.80 lbs./ 1,000 sq. ft.	Distance Between Passes (ft.)
Cyclone Rotary			
Earthway Rotary			
EV-N Speed			
K-Gro Rotary			
Ortho Rotary			
Precision Rotary (#SB50)	SPREADER SETTINGS AVAILABLE AT PRINTING		
Red Devil Rotary			
Republic EZ Rotary (#540)			
Scotts Easygreen (#EG-3)			
Scotts Speedygreen 1000			
Scotts Speedygreen 2000			
Scotts Speedygreen 3000			
Sears Rotary			
True Temper Rotary			
Vigoro Rotary			

continued

Drop Spreaders Model	Rate Setting 2.87 lbs./ 1,000 sq. ft.	Rate Setting 3.80 lbs./ 1,000 sq. ft.	Distance Between Passes (ft.)
Amzs Drop			
K-Gro Drop			
Ortho Drop			
Precision Drop (#FH22G)			
Red Devil Drop	SPREADER SETTINGS AVAILABLE AT PRINTING		
Republic EZ Drop (#530)			
Scotts Accugreen 1000			
Scotts Accugreen 2000			
Scotts Accugreen 3000			
Scotts Drop (#PF1,PF2, PF3, PF4)			
Sears Drop			
Sta-Green Drop			
Vigoro Drop			
<p>* Spreader settings are approximate. The condition of your spreader, the speed that you walk, and uneven terrain may affect the rate of application. Calibrate your spreader according to manufacturer's instructions. TIP: 1,000 sq. ft. = 20 ft. x 50 ft.</p>			

[Optional Spreader Settings chart and text may be used with fertilizer carriers:]

Spreader Settings for Lawn Applications

MAKE & MODEL	0.5 lb /1,000 sq ft	MAKE & MODEL	0.5 lb / 1,000 sq ft
Scotts Edge	4-1/4	Scotts AccuGreen 1000	5-1/2
Scotts SpeedyGreen 1000	4-1/4	Scotts AccuGreen 2000	5-1/2
Scotts SpeedyGreen 2000	4-1/4	Scotts AccuGreen 3000	5-1/2
Scotts SpeedyGreen 3000	4-1/4	Earthway 2000	8
Vigoro 4300	3	Earthway 2050	6

[Typically, a lawn utilizes 1 to 4 lbs of nitrogen per 1,000 sq ft per growing season. When applied as directed, this product provides 0.42 lb of nitrogen per 1,000 sq ft. Contact your local Extension Service for information specific to your geographic region.] (optional text when using fertilizer carriers)

GUARANTEED ANALYSIS 14-0-3
 Total Nitrogen (N) 14%

14.0% Urea Nitrogen

Derived from: Urea, Muriate of Potash

F10741 (optional text when using fertilizer carriers)

[Typically, a lawn utilizes 1 to 4 lbs of nitrogen per 1,000 sq ft per growing season. When applied as directed, this product provides 0.42 lb of nitrogen per 1,000 sq ft. Contact your local Extension Service for information specific to your geographic region.]

[Typically a lawn utilizes 1 to 4 lbs of nitrogen per 1,000 sq ft per growing season. When applied at X rate this product provides XX lb of nitrogen per 1,000 sq ft.; and when applied at the X rate, this product provides XX lb of nitrogen per 1,000 sq ft. Contact your local Extension Service for information specific to your geographic region.]

[When applied as directed, this product meets the guidelines for metals adopted by the Association of American Plant Food Control Officials.]

[Information regarding the contents and level of metals in this product is available on the internet at <http://www.regulatory-info-sb.com> or <http://www.aapfco.org/metals.htm>].

Optional Spreader Text: CALIBRATION INSTRUCTIONS: To provide proper distribution, calibrate spreader before application. For (X) pounds of product per 1,000 square feet of turfgrass: Check your spreader on (X) square feet and adjust to apply at the rate of 1 pound of product per (X) square feet.

Calculating Total Lawn Area LENGTH x WIDTH = TOTAL SQ. FT. then subtract NON-LAWN AREAS (House, Garden, Driveway)

Spreading Patterns: First spread the borders of your lawn. Then spread the center by spreading in straight line passes. Spread at a uniform walking speed to insure even coverage.

[Grub Life Cycle and Graphics] (optional marketing language)

Grub Life Cycle [graphics]

Treated



Untreated

