

GrubOut™ DG

0.2% Insecticide



FEATURES & USE TIPS:

- Contains GrubOut™ insecticide, based on the active ingredient imidacloprid.
- Multiple use rates allow targeting of specific insects
- DG Pro dispersible carrier

PRODUCT SPECIFICATIONS:

Active Ingredient: Imidacloprid (0.2%)

PRODUCT CODE:

APTDGGB40

Date: 012710
Supersedes: 000000
Label: H9

PRODUCT CHARACTERISTICS:

Product Type:

GrubOut™ Insecticide

Particle Size:

SGN: 145

Net Weight:

40 lbs.

Coverage:

10,000 sq. ft.
@ medium rate

GrubOut is a trademark The Andersons, Inc.; The Andersons logo and DG Pro are registered trademarks of The Andersons, Inc.

*To order, contact your local
Andersons Lawn Products
distributor.*

*For more information, contact
Andersons at our website:
www.andersonsturf.com
or call 1-800-225-2639.*

Following is a specimen label that may at some point be revised or otherwise become out of date. It is intended as a guide in providing general information regarding the use of this product. Always read and follow the label on the product container.



GrubOut™

0.2% Insecticide

For use to control white grub larvae, mole crickets and other listed pests on turfgrasses, residential lawns, golf courses, sod farms, commercial and residential landscape plantings, trees, golf courses, parks, recreational areas and athletic fields.

- Ideal for white grub control
- Controls early nymph stages of mole crickets
- Contains proprietary DG Pro™ dispersible carrier

Active Ingredient Imidacloprid..... 0.2%
Other Ingredients..... 99.8%
Total..... 100.0%

EPA Reg. No. 9198-0H-2B, 9198-0H-2E, 9198-AL-001A
EPA Reg. No. 9198-0H-1M, 9198-0H-1B, 9198-AL-001A
Underlined letter is first letter used in run code on bag

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.

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.

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.

FIRST AID

- If in eyes
- 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: 1-800-757-8551 for emergency medical treatment information.

Note to Physician: No specific antidote is available. Treat patient symptomatically.

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 deleted 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.

Not for use on container grown ornamentals.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Product Use Information

This product controls leaf subterranean fleecing and insect pests on turfgrasses (both residential and commercial), sod farms, golf courses, grounds of lawns of office complexes, shopping centers, multi-family and residential apartment complexes, airports, cemeteries, parks, public areas, playgrounds, schools, athletic fields, sod farms, military and other institutions.

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 trap counts or other methods. The regional differences in pest species pressure, timing of optimal control, pest monitoring methods and other particulars for your location will vary, so consult your cooperative extension service for details. To find your cooperative extension agent, visit www.cesare.usda.gov.

Application Directions

Apply uniformly over the treatment area with either a broadcast or drop type spreader, according to spreader's 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. Avoid 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.

For best results, irrigate treated areas soon after application, enough to thoroughly wet the underlying soil; this wases the active ingredient down below the turf and thatch, and it encourages the subterranean 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, please avoid applying 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

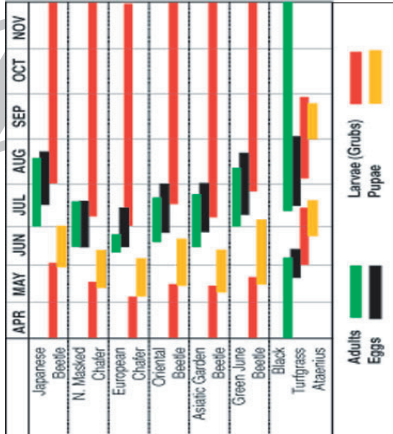
Pest	Amount of Product
White Grub Larvae, such as: Annual bluegrass weevil, <i>Hyperodes</i> spp.) Anthodius (<i>Anthodius</i> spp.) Asiatic garden beetle, <i>Maladera castanea</i>) Billbugs (<i>Solenophorus</i> spp.) Black turfgrass anthrenus, <i>Arenarius sordidus</i>) European chafers (<i>Rhizotrogas</i> spp.) 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 lb./acre or 3.0 – 4.5 lb./1,000 sq. ft.
Crane Fly, such as European species, (<i>Tipula</i> spp.)	200 lb./acre or 4.5 lb./1,000 sq. ft.
Mole crickets, (<i>Scapteriscus</i> spp.)	

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 hatch, 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 reproduced with permission of Dr. David Sheffar, Entomologist, Ohio State University, www.bugdoc.edu)

For best results, irrigate treated areas soon after application, enough to thoroughly wet the underlying soil. Use higher application rates in areas of heavy pressure and where thatch is present in excess of 0.5 in. thickness. Reduce hatch by mechanical means for best turf quality and better control of grub species.

Corn Flea (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 stage. This will avoid damage the following year. Otherwise, no adult turf fleas in winter and early spring when there is a consistent winter rain, 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.

Application Rates - Ornamentals (including trees, shrubs, evergreens, flowers, biologic plants and ground covers)

Pest	Amount of Product
White Grub Larvae such as: Asiatic garden beetle, (<i>Maladera castanea</i>) European chafers, (<i>Rhizotrogas</i> spp.) Japanese beetle, (<i>Popillia japonica</i>) Northern & Southern masked chafers, (<i>Cyclocephala borealis</i> and/or <i>C. lurida</i>) May or June beetles, (<i>Phyllophaga</i> spp.) Oriental beetle, (<i>Anomala orientalis</i>)	125 – 200 lb./acre or 3.0 – 4.5 lb./1,000 sq. ft.

Before application, remove any weed barrier material that does not allow water permeability.

Precipitation

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.

Restrictions

Do not apply more than 200 lbs. of product per acre (0.4 lb. active ingredient per acre) per acre. Do not apply to vegetable gardens.

Do not use on container grown ornamentals.

Spreader Settings				
These spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.				
40 lbs. treats 13,300 sq. ft. at the 125 lbs. product rate - LOW RATE (0.30 lbs./1,000 sq. ft. rate)	SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LIGHT 0.35 lbs. a/1a
40 lbs. treats 3,300 sq. ft. at the 190 lbs. product rate - MEDIUM RATE (0.35 lbs./1,000 sq. ft. rate)				
40 lbs. treats 1,400 sq. ft. at the 150 lbs. product rate - LOW RATE (3.5 lbs./1,000 sq. ft. rate)				
40 lbs. treats 10,000 sq. ft. at the 175 lbs. product rate - MEDIUM RATE (4.0 lbs./1,000 sq. ft. rate)				
SPREADER SETTINGS				
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LOW 0.35 lbs. a/1a	MEDIUM 0.35 lbs. a/1a
Andersons AccuPro 2000, SR-2000 (cone 6)	3 mph	11 feet	K 1/2	L 1/2
Scots R-3A (cone 5)	3 mph	11 feet	J 1/2	K
Lesco 02093 (pattern 0.25)	3 mph	8 feet	D 1/2	E
Lesco 70568 (pattern 0.25)	3 mph	8 feet	11	12
Lely Models WTR, WFR, IHR, 1250 (PTO at 450 rpm) Pattern III-C	4.5 mph	34 feet	5	5 1/4
Vicon 103 Series)	4.5 mph	20 feet	17	18
				20

Note: These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of application to achieve the desired application rate.

STORAGE AND DISPOSAL

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

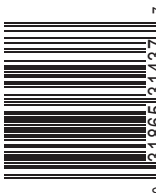
LEGAL RIGHTS: THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE OR FROM COUNTRY TO COUNTRY.

Manufactured by:

The Andersons Lawn Fertilizer Division, Inc.
PO Box 119, Maumee, OH 43537
www.andersonslawnproducts.com

The Andersons logo and DG Pro are registered trademarks of The Andersons, Inc.; GrubOut is a trademark of The Andersons, Inc.

Net Weight 40 Lbs. (18.14 kg)



0 31865 31437 7

APTDGGGB40

H9 (APTLBKPREDB)