

The   
Andersons®

TURF PRODUCTS

**DUOCIDE®**

**INSECT CONTROL**



**Patented Dispersing  
Granule Technology**

ACTIVE INGREDIENTS:  
Bifenthrin\* ..... 0.050%  
Carbaryl (1-naphthyl N-methylcarbamate) ..... 2.500%  
OTHER INGREDIENTS: ..... 0.625%  
Total ..... 0.000%  
\*CS isomers 57% minimum, trans isomers 3% maximum  
CAS No. 8267-04-6  
U.S. Patent #7,063,507  
EPA Reg. No. 9108-1-01  
EPA Est. No. 9108-01-01, 9108-01-02, 9108-01-03, 9108-01-04  
Underlined letter is first letter used in run code.

For control of selected surface and subsurface pests on turfgrass sites including residential lawns, parks and athletic fields and control of pests in and around flower beds, ornamental plantings and around buildings. Not for use on golf courses and sod farms.

- Ideal for control of Adult Mole Crickets
- Effective for curative treatment of white grubs
- Effective on difficult to control chinch bugs
- Contains essential plant nutrients for turf and ornamental maintenance

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

SEE BACK PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS AND FIRST AID

**COVERS UP TO 9,000 SQ. FT.  
NET WT. 18.00 LBS (8.16 KG)**

# THE ANDERSONS TURF PRODUCTS

## DUODICE® INSECT CONTROL

### KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUTIONARY STATEMENTS

**First Aid**  
Carbaryl is an N-Methyl Carbamate Insecticide. Contact a physician immediately in all cases of suspected poisoning. Inform patient to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN. If poisoning is suspected in animal, contact a veterinarian.

**If in eyes:** Hold eyes 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.

**If on skin or clothing:** 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 swallowed:** Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for 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 1-800-752-8975 for emergency medical treatment information.

**ANTIDOTE STATEMENT:** ANTIDOTE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. SEE NOTE TO PHYSICIAN.

**Note to Physician:** Carbaryl is an N-methyl carbamate that inhibits cholinesterase. Atropine is an antidote. Do not use 2-PAM (pyridine 2-thione phosphoramide), oxalates or cholinesterase inhibiting drugs. Probable mucous damage may contraindicate the use of gastric lavage.

This product is a pyrethroid. If large amounts have been ingested, milk cream and other dispersible fats and oils may increase absorption and so should be avoided.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wear protective apparel. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves (such as nitrile nitrile).

#### USE SAFETY PRECAUTIONS:

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washability, 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.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, white rubber, neoprene rubber or vinyl. If you want more options, follow the instructions for category I on an EPA chemical-resistant category selection chart.

Loaders, applicators, and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, and
- Shoes plus socks

Aerial application is prohibited.

#### ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. For terrestrial uses, 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 apply when weather conditions favor drift from area treated. Drift and run-off may kill aquatic invertebrates in water adjacent to treated areas. Do not contaminate water by cleaning equipment or disposal of wastes. 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 does not blow or wash pesticide off the treatment area.

Storing 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.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewerage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**ENGINEERING CONTROLS**  
When applicators use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d)(5)), the handler PPE requirements may be reduced or modified as specified in the WPS.

**NON-AGRICULTURAL USE REQUIREMENTS**  
The requirements in this label 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 or fruits, forests, nurseries, or greenhouses. Do not enter or allow others to enter the treated area until dusts have settled. In addition, if directions for use require watering in, do not enter or allow others to enter the treated area (except those involved in the watering-in) until the watering-in is completed and the area has dried.

**STORAGE AND DISPOSAL**  
Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE DISPOSAL:** Keep out of reach of children and animals. Store in original container only. Store in cool, dry place and avoid excess heat. Then dispose of empty bags in a sanitary landfill or by incineration, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, if allowed by State or 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 flier 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. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, if a Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES is reflected on purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATION OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

**LEGAL RIGHTS:** THE UNITED NATIONS GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE OR COUNTRY TO COUNTRY.

Product of U.S.A.

### DIRECTIONS FOR USE

#### 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.

##### RESTRICTIONS

Product must be watered in immediately after application to lawns. Do not apply more than 4 times per year to lawns. The minimum reapplication interval to lawns is seven days. The maximum application rate for kill of ticks is 1.15 lbs product per 1000 sq. ft.

In New York State, the product may NOT be applied to any grass or turf areas within 100 feet of a water body (lake, pond, river, stream, wetland or drainage ditch). In New York State, do make a single repeat application of this product if there are signs of renewed insect activity, but not sooner than two weeks after the final application.

##### APPLICATION RATES

Will only kill pests present at the time of application. Pest must be directly contacted to be effective.

Pest	Amount of Product
Armyworms (larvae of Armyworm, Fall Armyworm, Lawn Armyworm, and striped Grassworm), Cutworms (larvae of Black Cutworm, and Bronze Cutworm), Sod Webworms (larvae of Bluegrass Webworm, Larger Sod Webworm, Western Lawn Moth, Eastern Greenfly, Tropical Sod Webworm, and Burrowing Sod Webworm)	2 lb./1,000 sq. ft.
Annual Bluegrass Weevil (Hyperodes), Adults of Bluegrass Billbug, Hunting Billbug, Phoenician Billbug and Denver Billbug, Black Turfgrass Aeneas (Adult), Mealybugs, Leafhoppers, Chinch Bugs (nymphs and adults of Hairy Chinch Bug, Southern Chinch Bug, and Buffalograss Chinch Bug), Chiggers, Crickets, Darning Ground Beetles, Earwigs, Essex Skipper, Fire Beet, Grasshoppers, Silverfish, Spittlebugs/Springtails	2-4 lb./1,000 sq. ft.
Ants, Centipedes, Fleas (Adult), Fleas (Larvae), Millipedes, European Crane Fly, Imported Fire Ant (Adults), Mole Cricket (Adult), Mole Crickets (nymphs and adults), Tawny, Southern Short-winged, West Indian (Changa), Oriental (formerly African) and Native (Northern) Mole Crickets	4-8 lb./1,000 sq. ft.
White Grubs (larvae of Japanese Beetle, European Chalcid, Northern Masked Chalcid, Southern Masked Chalcid, Oriental Beetle, Asiatic Garden Beetle, May/June beetle (Phyllophaga spp.), Bluegrass Billbug, Hunting Billbug, Phoenician Billbug, Denver (Rocky Mountain) Billbug, Green June beetle, Black Turfgrass Aeneas, and Aphodius), Annual Bluegrass weevil (Hyperodes weevil), European Crane fly larvae (Pillbugs) (Cousins)	4-8 lb./1,000 sq. ft. 8 lb./1,000 sq. ft.

#### NUISANCE PEST KILL IN AND AROUND FLOWER BEDS AND ORNAMENTAL PLANTINGS AND AROUND THE OUTSIDE OF BUILDINGS.

Will only kill pests present at the time of application. Pest must be directly contacted to be effective.

Kills Ants (except harvester ants, pharaoh ants and carpenter ants) Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebeetles, Silverfish, Fleas, Millipedes, Sowbugs: Apply granules uniformly in a 6 foot band around the building at the rate of 2-4 lbs. per 1,000 square feet to shrub and flower beds, foundations, ornamental plantings, and lawn or soil areas immediately adjacent to the building. Treated area must be watered in immediately after application. Repeat treatments are needed up to 3 times per year, but no more than once every seven days.

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

SPREADER MODEL	LOW RATE 2.0 lbs./1,000 sq. ft.	MEDIUM RATE 4.0 lbs./1,000 sq. ft.	HIGH RATE 8.0 lbs./1,000 sq. ft.
The Andersons L10-1000	11/2	M	0
The Andersons Tard Star 2500	11/2	15	19
Agri-Fab Broadcast (1-10)	21/2	41/2	71/2
Agri-Fab Drop (10-30)	21/2	41/2	71/2
Earthway Broadcast (10-30)	11/2	15	19
Earthway Drop (10-30)	11/2	15	19
Earthway 3400 Hand Spreader (1-3)	1	3	-
Scotts Broadcast (2-10)*	21/4	5	8
Scotts Drop**	51/2	7	10

\*Includes EdgeGuard, Elite, Standard, Black, LawnPro & Specialty Green 1000 - 3000

\*\*Acargreen 1000 - 2000 & Classic

Note: These spreader settings were established using standard equipment available from the spreader manufacturer at swath widths and speeds typically used within the industry. Calibrate spreader equipment before applying product.

### QUESTIONS?

For additional product information, lawn care tips and spreader settings, visit:  
**AndersonsHomeandGarden.com**

Find us on social media: @AndersonsHomeandGarden



**The Andersons**

MANUFACTURED BY:  
The Andersons, Inc.  
PO Box 119 Miami, OH 45327  
info@andersonshomeandgarden.com  
877-424-4262

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