

Dec 2, 2009

New York State Department  
of Environmental Conservation  
Division of Solid & Hazardous Materials  
Pesticide Product Registration

Classified for  
"RESTRICTED USE"  
in New York State  
under 6NYCRR Part 326

# DuPont™ Acelepryn™

## GRANULAR INSECTICIDE

### Professional Products

GROUP	28	INSECTICIDE
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**INTENDED FOR USE BY COMMERCIAL APPLICATORS ONLY.**

For systemic control of white grubs and other pests infesting landscape and recreational turfgrass (including golf courses) as well as landscape ornamentals, interior plantscapes and sod farms.

Active Ingredient	By Weight
Chlorantraniliprole*	
3-Bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide	0.2%
Other Ingredients	99.8%
TOTAL	100.0%

\*Chlorantraniliprole belongs to the anthranilic diamide chemical class

EPA Reg. No. 352-772

EPA Est. No. \_\_\_\_\_

Net Contents: \_\_\_\_\_

E. I. du Pont de Nemours and Company  
1007 Market Street  
Wilmington, Delaware 19898

[No SIGNAL WORD is required for this product.]

**KEEP OUT OF REACH OF CHILDREN**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**FIRST AID**

For questions regarding emergency medical treatment, you may contact 1-800-441-3637 for information.

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

When used as directed this product does not present a hazard to humans or domestic animals

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear:

Long-sleeved shirt and long pants.

Shoes plus socks.

After the product has been loaded into properly calibrated application equipment, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables are available, 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.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to aquatic invertebrates, oysters and shrimp. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to use sites.



The miracles of science™



#### Surface Water Advisory:

This product may contaminate water through runoff. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water table are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

#### Ground Water Advisory:

This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read and understand the entire label before using this product.

DuPont™ ACELEPRYN™ granular insecticide must be used only in accordance with recommendations on this label or in separate DuPont supplemental labeling that may be made temporarily available through local distributors, as a result of new EPA approvals. DuPont will not be responsible for losses or damages resulting from the use of this product in any manner not specifically stated on this label or other labels or bulletins published by DuPont. User assumes all risks associated with such non-specified use.

#### 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 the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable).

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 State or Tribal agency responsible for pesticide regulation.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

For early entry into 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, wear:

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

#### NON-AGRICULTURAL USE REQUIREMENTS

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

Professional applications to golf courses, residential, industrial and commercial lawns and sports fields are not within the scope of the Worker Protection Standard.

Do not allow other workers to enter the treated area while application is in progress. Do not apply this product in commercial nurseries and greenhouses.

#### PRODUCT INFORMATION

ACELEPRYN™ granular insecticide may be applied for the control of white grubs and other listed pests infesting landscape and recreational turfgrass (including golf courses) as well as landscape ornamentals and interior plantscapes.

ACELEPRYN™ granular insecticide may be used on plants or turfgrasses that are being grown for aesthetic or recreational purposes or climatic modification in or around home lawns, commercial lawns, industrial facilities, residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, interior plantscapes, ornamental gardens, wildlife plantings, parks, playgrounds, schools, day-care facilities, golf courses (tee box areas, roughs, fairways, greens, collars etc.), athletic fields, sod farms and other landscaped areas.

ACELEPRYN™ granular insecticide should not be applied when the soil is saturated with water because adequate distribution of the active ingredient vertically in the soil profile cannot be achieved under this condition.

ACELEPRYN™ granular insecticide is in GROUP 28 of the EPA's Insecticide and Acaricide Groups Based on Target Site of Action (EPA PR Notice 2001-5) and may be used in rotational resistance management programs.

Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

#### APPLICATION EQUIPMENT

ACELEPRYN™ granular insecticide may be applied with drop-type, rotary-type or hand-held application equipment. The application equipment should be properly calibrated according to the manufacturer's directions to ensure uniform coverage over the treated area. During application, the equipment should be checked periodically to confirm that it is working properly and that the granules are being uniformly distributed.



## APPLICATION TIMING

**White Grubs:** DuPont™ ACELEPRYN™ granular insecticide may be applied from early April to early September for preventative and early curative control all of the major white grub species infesting turfgrass. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. The higher rate listed for white grub control in Table 1 may be required in late August or early September when less sensitive mid-instar grubs are present at the time of application. As is the case with any insecticide applied to turfgrass for white grub control, optimal results will be achieved if the product is irrigated into the turf immediately after application.

**Annual Bluegrass Weevil:** ACELEPRYN™ granular insecticide should be applied when overwintered adult annual bluegrass weevils are observed in late April or early May to prevent damage from first generation larvae in late-May and June. An application of ACELEPRYN™ granular insecticide at this time will also provide white grub control.

**Billbugs:** ACELEPRYN™ granular insecticide should be applied when overwintered adult billbugs are first observed. This will usually occur in late April or early May in regions with cool-season turfgrasses. An application of ACELEPRYN™ granular insecticide at this time will also provide white grub control. The higher rates listed in Table 1 may be required for applications made after early May or when billbug species other than bluegrass billbug are present.

**European Crane Fly:** ACELEPRYN™ granular insecticide should be applied between September and November to control European crane fly larvae in turfgrass. The higher rate listed in Table 1 may be required to achieve control when applications are made in November.

**Turf Caterpillars:** ACELEPRYN™ granular insecticide will provide curative caterpillar control in turfgrass. If the area being treated is maintained at a mowing height of greater than one inch, then the higher rate listed in Table 1 may be required during periods of high pest pressure.

**Chinch Bugs:** For suppression of chinch bugs, apply ACELEPRYN™ granular insecticide before eggs hatch.

## APPLICATION RATES FOR LAWNS, GOLF COURSES AND OTHER RECREATIONAL TURFGRASS AREAS

Table 1 provides the application rates that will control the listed turfgrass pests. For maximum residual effectiveness or for optimal control of large pest infestations, ACELEPRYN™ granular insecticide may be applied at up to 125 pounds per acre (0.25 lb AI/A) to control any of the pests listed in Table 1. Do not apply more than 250 pounds (equivalent to 0.5 lb of active ingredient) of product per acre per year in broadcast applications to turfgrass.

TABLE 1: TURFGRASS APPLICATION RATES

Target Pest	Product per Acre	Product per 1,000 Square Feet	lb AI/A
White Grubs (including <i>Aphodius</i> spp., Asiatic garden beetle, black turfgrass ataenius, European chafer, green June beetle, Japanese beetle, May/June beetles ( <i>Phyllophaga</i> spp.), northern masked chafer, oriental beetle and southern masked chafer)	50 to 100 pounds	1.15 to 2.3 pounds	0.1 to 0.2
Billbugs			
European Crane Fly			
Turf caterpillars (including armyworms, cutworms and sod webworms)			
Annual bluegrass weevil	75 to 100 pounds	1.72 to 2.3 pounds	0.15 to 0.2
Chinch bugs (suppression only)	50 to 100 pounds	1.15 to 2.3 pounds	0.1 to 0.2

## APPLICATION RATES FOR ORNAMENTAL PLANTS

Table 2 provides the application rates that will control the pests of landscape ornamentals and interior plantscapes. Black plastic or other weed barrier materials that are imper-

meable to water should be removed before application. For maximum residual effectiveness or for optimal control of large pest infestations, DuPont™ ACELEPRYN™ granular insecticide may be applied at up to 125 pounds per acre (0.25 lb AI/A) to control any of the pests listed in Table 2.

**TABLE 2: ORNAMENTAL TREE AND SHRUB (INCLUDING EVERGREENS), FLOWER, FOLIAGE PLANT, AND GROUNDCOVER APPLICATION RATES**

Target Pest	Product per Acre	Product per 1,000 Square Feet	lb AI/A
White Grubs (Asiatic garden beetle, European chafer, green June beetle, Japanese beetle, May/June beetles ( <i>Phyllophaga</i> spp.), northern masked chafer, oriental beetle and southern masked chafer)	50 to 100 pounds	1.15 to 2.3 pounds	0.1 to 0.2

**TABLE 3: SPREADER SETTINGS FOR THESE APPLICATION RATES**

Manufacturer	Model	Effective Swath Width (Feet)	50 Pounds per Acre	75 Pounds per Acre	100 Pounds per Acre	125 Pounds per Acre
"Vicon"	03	20	11	12	14	16
"Lely"	W	34	3 1/2	4	4 1/4	4 3/4
"Scotts"	R8A	11 (Pattern 5)	H	H 1/2	I 1/2	J 1/4
Andersons	"Accupro 2000"	11 (Pattern 6)	I 1/2	J	J 3/4	K 1/2
"LESCO"	020093	5 (Pattern 1/4 Closed)	C	C 1/4	C 3/4	D 1/4
"Prizelawn"	CBR-II	5 (Pattern B)	Not Rec.	3 1/4	3 3/8	3 1/2
Cyclone	CB4000	4	3 1/2	3 3/4	3 7/8	4
"Spyker"	24-22	5	3	3.2	3.4	3.5
Andersons	"SS-2" Drop	NA	3 3/4	4	4 1/4	4 3/4

Note: These recommended spreader settings should be used as starting points when calibrating a spreader to achieve the desired application rate of Acelepryn granular insecticide. After calibration, the applicator should regularly observe the amount of Acelepryn granular insecticide that is applied to a known area and make further adjustments, as necessary, to maintain the appropriate application rate. Spreaders should be calibrated periodically to ensure that equipment wear or other factors have not altered the flow rate of Acelepryn granular insecticide. Calibration instructions are included in the Owner's Manual that was provided by the equipment manufacturer at the time of purchase. Additional calibration information is available from your local Cooperative Extension Service.

## CLEANING APPLICATION EQUIPMENT

Thoroughly clean all application equipment after use to reduce the risk of forming hardened deposits that might become difficult to remove. Thoroughly rinse application equipment with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean equipment near wells, or other water sources. Dispose of waste rinse water in accordance with local regulations.

## INTEGRATED PEST MANAGEMENT (IPM) PROGRAMS

ACELEPRYN™ granular insecticide is recommended for IPM programs on turf and landscape ornamentals because it does not directly impact natural arthropod predator and parasitoid populations including ladybird beetles, lacewings, minute pirate bugs and predatory mites. The feeding behavior of beneficial arthropods will aid in extending natural control of other insect and mite pests and will reduce the possibility of secondary pest outbreaks. ACELEPRYN™ granular insecticide will reduce the target pest species that may serve as a food source for beneficial arthropods.

## RESISTANCE MANAGEMENT

Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the recommended dosages fail to suppress the pest population below threshold levels. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of active classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor for the latest information on resistance management in your area.

## RESTRICTIONS

- Not for use on plants being grown for sale or other commercial use, or for commercial seed production.
- Do not formulate this product into other end-use products without written permission from DuPont Professional Products.
- Do not apply this product in commercial nurseries and greenhouses.



- Do not apply more than 250 pounds (equivalent to 0.5 lb of active ingredient) of product per acre per year in broadcast applications to turfgrass.
- Do not apply more than 100 pounds (equivalent to 0.2 lb of active ingredient) of product per acre in a single application on sod farms.
- Wait a minimum of 7 days to retreat.
- Do not apply by air.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** : Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for storage in or around the home.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product must be disposed of on site or an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty plastic bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling, if available or dispose of empty plastic bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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**NOTICE:** Read This 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.

It is impossible to eliminate all risks associated with the use of this product. Such risks may arise from factors such as weather conditions, soil factors, off target movement, unconventional technique, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont or Seller. These risks can cause: ineffectiveness of the product or other unintended consequences. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

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This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

For product information call: 1-888-6-DUPONT (1-888-638-7668)

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