



Howard Johnson's

DuPont™ ACELEPRYN® Insecticide plus HOWARD JOHNSON'S FERTILIZER

GROUP	28	INSECTICIDE
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INTENDED FOR USE BY COMMERCIAL APPLICATORS ONLY.

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

Not for Sale, Sale Into, distribution and/ or Use in Nassau, Suffolk, King, Queens Counties of New York State.

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	0.067%
Other Ingredients	99.933%
TOTAL	100.000%

*Chlorantraniliprole belongs to the anthranilic diamide chemical class.
EPA Reg. No. 352-734-32802
EPA Est. No. 32802-MO-1

Distributed by:
Howard Johnson's Enterprises, Inc.
 700 W. Virginia Street, Milwaukee, WI 53204
Net Weight 50 lbs (22.68kg)
 Nonrefillable Container

KEEP OUT OF REACH OF CHILDREN CAUTION

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

If in eyes: hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice. Have the container or label with you when calling a poison center or doctor, or going for treatment. You may also contact **1-800-441-3637** emergency medical treatment information.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

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. 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.

GUARANTEED ANALYSIS

PRODUCT INFORMATION

DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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. DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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, parks, wildlife plantings, playgrounds, schools, day-care facilities, golf courses (tee box areas, roughs, fairways, greens, collars etc.), athletic fields, sod farms and other landscaped areas.

Do not apply DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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. DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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 Howard Johnson's representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

APPLICATION EQUIPMENT

Apply DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer with drop-type, rotary-type or hand-held application equipment. The application equipment must be properly calibrated according to the manufacturer's directions to ensure uniform coverage over the treated area. During application, check equipment periodically to confirm that it is working properly and that the granules are being uniformly distributed.

APPLICATION TIMING

White Grubs: Apply DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer from early April to early September for preventative and early curative control of 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. Irrigate turf immediately after application or allow rainfall to move the product into the soil.

Annual Bluegrass Weevil: Apply DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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 DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer at this time will also provide white grub control. The higher rates listed in Table 1 may be required for applications made after mid-May.

Billbugs: Apply DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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 Apply DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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: Apply DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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: DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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 DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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, apply Apply DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer at up to 500 pounds per acre (0.33 lb AI/A) to control any of the pests listed in Table 1. Restriction: Do not apply more than 750 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/Acre	Product/1000 sq ft	Lb/AI/A
White Grubs (including <i>Aphodius</i> Spp. Asiatic garden beetle, black turf grass atanius, European chafer, green June beetle, Japanese beetle, May/June beetles (<i>Phyllphaga</i> spp.), northern masked chafer, oriental beetle and southern masked chafer)	150 to 300 pounds	3.44 to 6.88 pounds	0.1 to 0.2
Billbugs			
European Cran Fly			
Turf Caterpillars (including army worms, cutworms, and sod webworms)			
Annual bluegrass weevil	225 to 300 lbs	5.17 to 6.88lbs	0.15 to 0.2
chinch bugs (suppression only)	150 to 300 lbs	3.44 to 6.88 lbs	0.1 to 0.2

SPREADER SETTINGS			
Pounds per 1000 sq.ft.	Cone setting	3.44 lbs	6.88 lbs
Accu-Pro 2000	6	M	P
SR 2000	6	M	P 1/2
Lesco 21820	0.25 Closed	E	H
SpykerR 76-22		4.4	5
PSB Bigfoot	A.5	J	M 1/2
Lely HR	II-B	5.25	7.5
Vison 203		16	22

APPLICATION RATES FOR ORNAMENTAL PLANTS

Table 2 provides the application rates that will control the pests of landscape ornamentals and interior plantscapes. Before application, remove black plastic or other weed barrier materials that are impermeable to water. For maximum residual effectiveness or for optimal control of large pest infestations, DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer may be applied at up to 500 pounds per acre (0.33 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 GROUND COVER APPLICATION RATES

Target Pest	Product/Acre	Product/1000 sq ft	Lb AI/A
White Grubs (Asiatic garden beetle, European chafer, green June beetle, Japanese beetle, May/June (<i>Phyllophaga</i> spp.), northern masked chafer, oriental beetle and southern masked chafer)	150 to 300 pounds	3.44 to 6.88 pounds	0.1 to 0.2

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

DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer plus 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. DuPont™ Acelepryn® Insecticide plus Howard Johnsons Fertilizer 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 labeled 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 Howard Johnson's 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 Howard Johnson's.
- Do not apply this product in commercial nurseries and greenhouses.
- Do not apply more than 750 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 300 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.
- The following restrictions are required to permit use of DuPont™ Acelepryn® Insecticide plus Howard Johnson's Fertilizer in the State of New York:

Golf courses:

- Greens, tee boxes: Do not apply this product within 25 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).
- Fairways: Do not apply this product within 50 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

All other use sites: Do not apply this product within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **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 use or 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 at an approved waste disposal facility. Nonrefillable container. Do not reuse or refill this container.

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.

NOTICE TO BUYER— Purchase of this material does not confer any rights under patents of countries outside of the United States.

LIMITATION OF WARRANTY AND LIABILITY

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 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. Howard Johnson's 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. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, HOWARD JOHNSON'S MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHER LEGAL THEORY) RESULTING FROM THE STORAGE, USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF OR SELLER, THE REPLACEMENT OF THE PRODUCT. To the extent consistent with applicable law that allows such requirement, Howard Johnson's or its distributor must have prompt notice of any claim so that an immediate investigation of buyer's or user's claim can be made. Buyer and all users shall promptly notify or a distributor of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy. This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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