



Howard Johnson's

# TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE

## 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 into, Distribution and/or Use in Nassau, Suffolk, Kings, Queens Counties of New York State

<b>GROUP</b>	<b>28</b>	<b>INSECTICIDE</b>
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<b>Active Ingredient:</b>	
Chlorantraniliprole*	0.067%
<b>Other Ingredients</b>	<b>99.933%</b>
<b>TOTAL</b>	<b>100.000%</b>

\*3-Bromo-N-[4-chloro-2-methyl-6-((methylamino)carbonyl)phenyl]-1-(3-chloro-2-pyridiny1)-1H-pyrazole-5-carboxamide  
Chlorantraniliprole belongs to the anthranilic diamide chemical class.

EPA Reg. No. 32802-82  
EPA EST.No. 59144-GA-1 (A), 32802-MO-1 (B), 37351-CO-1 (C), 8378-IN-1(D) 9404-FL-1 (E)  
First letter of bag code shows establishment where manufactured.

Manufactured for: **Howard Johnson's Enterprises, Inc.**  
9675 S 60th Street, Franklin, WI 53132

Agricultural Chemical: Do not ship or store with food, feed, drugs or clothing.  
For Chemical Spill, Leak, Fire or Exposure, Call CHEMTREC (800) 424-9300.  
For Medical Emergencies Only, Call (877) 325-1840

## 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 for 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.

# 22-0-4

## GUARANTEED ANALYSIS

Total Nitrogen (N) . . . . . 22%  
22.00% Urea Nitrogen\*  
Soluble Potash (K<sub>2</sub>O) . . . . . 4%

Derived From: Muriate of Potash, Urea

\*22.00% Nitrogen stable w/dicyandiamide  
& N-(n-butyl)thiophosphoric triamide

Chlorine (Cl), not more than 6%

## F315

FGB66133

**Net Weight 50 Lbs (22.70 kg)**

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>

### 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. HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE must be used only in accordance with specifications on this label or in separate Howard Johnson's supplemental labeling that may be made temporarily available through local distributors, as a result of new EPA approvals. Sweep: Fertilizer may stain driveways, walks, patios, pools, etc. Sweep off thoroughly immediately after each use.

If registered in Florida: Apply only to actively growing turf. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn and sweep any product that lands in the driveway, sidewalk or street back onto your lawn. Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices. Check with your county or city government to determine if there are local restrictions on fertilizer use or application.

In the state of Florida, it is recommended that the user of this product follow the Green Industries and Golf Course Best Management Practices found at : [http://www.dep.state.fl.us/water/nonpoint/docs/inonpoint/BMP\\_Book\\_final.pdf](http://www.dep.state.fl.us/water/nonpoint/docs/inonpoint/BMP_Book_final.pdf).

### 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.

### PRODUCT INFORMATION

HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN 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. HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN 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, 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 HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE 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.

HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN 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 Howard Johnson's Enterprises representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

### APPLICATION EQUIPMENT

Apply HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE 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 granules are being uniformly distributed.

### APPLICATION TIMING

**White Grubs:** Apply HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE 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 for early season (April and May) applications where a long residual is required or 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 HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE 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 HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE 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 HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE 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 HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN 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:** Apply HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE 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.

**Spittlebugs:** HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE will provide control of two-lined spittlebug when applications are made in spring or summer.

**Turf Caterpillars:** HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN 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 HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN 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 control of large pest infestations, apply HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE 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 per Acre	Product per 1,000 Square Feet	LB AI per Acre
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)	150 to 300* lb	3.44 to 6.88 lb	0.1 to 0.2
Billbugs			
European Crane Fly			
Turf caterpillars (including armyworms, cutworms and sod webworms)			
Annual bluegrass weevil	225 to 300 lb*	5.17 to 6.88	0.15 to 0.2
Spittlebugs			
Chinchbugs (suppression only)	150 to 300 lb*	3.44 to 6.88 lb	0.1 to 0.2

\*For maximum residual effectiveness or control of large pest infestations, apply HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE up to 500 pounds per acre (0.33 lb AI/Acre).

### 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 control of large pest infestations, apply HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE up to 500 pounds per acre (0.33 lb AI/A) to control any of the pests listed in Table 2. 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 ornamental plants.

### 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 per Acre
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)	150 to 300 lb*	3.44 to 6.88 lb	0.1 to 0.2

\*For maximum residual effectiveness or control of large pest infestations, apply HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE up to 500 pounds per acre (0.33 lb AI/Acre).

### SPREADER SETTINGS

Pounds per 1000 sq.ft.	Cone setting	3.44 lbs	5.17 lbs	6.88 lbs
Accu-Pro 2000	6	M 1/2	O 1/2	P 1/2
SR 2000	6	M	N 1/2	P
Lesco 21820	0.5 Closed	F 1/2	G 1/2	I 1/2
SpykerR 76-22		4.7	5	5.5
PSB Bigfoot	B.5	M	N	O
Lely HR	I-C	6	7.25	8.25
Vison 203		17	21	25
Cub Cadet		15	17	19

### 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

HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN 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. HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN 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 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 (except turfgrass on sodfarms) 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 Enterprises
- 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 HOWARD JOHNSON'S TURF FERTILIZER PLUS ACELEPRYN INSECTICIDE 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).
- Not for Sale, Sale into, Distribution and /or Use in Nassau, Suffolk, Kings, Queens Counties of New York State.

**NOTICE:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## 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 use or storage in or around the home.  
**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.  
**CONTAINER HANDLING:** Nonrefillable container; do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration

### WARRANTY

Read the entire Directions for Use and Warranty before using this Product. By using this product, user or buyer accepts the following warranty. The directions for use of this product are believed to be adequate and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer. HOWARD JOHNSON'S ENTERPRISES is committed to providing high quality products. To the extent consistent with applicable law, HOWARD JOHNSON'S ENTERPRISES makes no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. To the extent consistent with applicable law, HOWARD JOHNSON'S ENTERPRISES, the manufacturer, or the Seller shall not be liable for indirect, special, incidental or consequential damages. To the extent consistent with applicable law, the exclusive remedy of the user or buyer shall not exceed the purchase price paid. Buyer and user assume all responsibilities for safety and use not in strict accordance with directions.