

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Gloves made of any waterproof material

After the product is loaded into properly calibrated application equipment, shirt, pants, socks and shoes are sufficient Personal Protective Equipment (PPE). Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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 the first 5 minutes, then continue rinsing eye.
- 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 (888) 208-1388 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and highly toxic to other aquatic organisms, including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. **DO NOT** apply directly to water. **DO NOT** apply when/where conditions favor runoff. Runoff from treated turf may adversely affect aquatic organisms in water adjacent to use sites. **DO NOT** contaminate water when disposing of equipment washwaters or rinsate.

Surface Water Advisory:

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. 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 loading of chlorantraniliprole from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Groundwater Advisory:

This chemical has properties and characteristics associated with chemicals detected 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.

DIRECTIONS FOR USE

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

Read all Directions for Use carefully before applying.

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.

PRODUCT INFORMATION

This product is a combination product containing Acelepryn® insecticide (active ingredient: chlorantraniliprole), and Dimension® herbicide (active ingredient: dithiopyr) which may be applied for the control of white grubs, other listed insect pests, and listed weeds infesting landscape and recreational turfgrass, including golf courses.

This product may be used on established 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, parks, playgrounds, schools, day-care facilities, golf courses (tee box areas, roughs, fairways, collars etc.), athletic fields and other landscaped areas.

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

Consult your local Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

USE RESTRICTIONS

DO NOT formulate this product into other end-use products.

DO NOT apply this product in commercial nurseries or greenhouses.

DO NOT apply this product on golf course putting greens.

DO NOT apply more than 198 pounds of product/A (equivalent to 0.13 lb. of chlorantraniliprole/A and 0.5 lb. of dithiopyr/A) per application.

DO NOT apply more than 296 pounds of product/A (equivalent to 0.20 lb. of chlorantraniliprole/A and 0.75 lb. of dithiopyr/A) per year in broadcast applications to turfgrass.

DO NOT use clippings from treated turf for mulching around trees or fruit trees.

Apply only to lawns and turfgrasses that are well established. **DO NOT** apply to lawns or turfgrasses that are under stress.

DO NOT apply by air.

Keep people and pets off treated areas until dust has settled.

This product must not be applied when the soil is saturated with water because adequate distribution of the active ingredients vertically in the soil profile cannot be achieved under this condition.

The following restrictions are required to permit use of this product in the State of New York:

Golf Courses:

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).

All use sites:

DO NOT exceed 198 lbs. of product/A per year (equivalent of 0.5 lb. dithiopyr A.I./A per year)

This product may only be used by commercial applicators.

DO NOT use in Nassau, Suffolk, Kings, Queens Counties

TOLERANT TURFGRASS SPECIES

Apply this product to lawns and ornamental turfs that are composed of the following turfgrass species that have been determined to be tolerant to applications of this product. When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

Cool Season Turfgrass

Bentgrass, creeping*** (*Agrostis palustris*)

Bluegrass, Kentucky (*Poa pratensis*)

Fescue, fine**** (*Festuca rubra*)

Fescue, tall (*Festuca arundinacea*)

Ryegrass, perennial (*Lolium perenne*)

Warm Season Turfgrass

Bahiagrass (*Paspalum notatum*)

Bermudagrass (*Cynodon dactylon*)

Buffalograss**** (*Buchloe dactyloides*)

Carpetgrass (*Axonopus affinis*)

Centipedegrass (*Eremochloa ophiuroides*)

Kikuyugrass (*Pennisetum dandestinum*)

St. Augustinegrass (*Stenotaphrum secundatum*)

Zoysiagrass (*Zoysia japonica*)

*** Use of this product on certain varieties of creeping turfgrass, such as 'Cohansey', 'Carmen', 'Seaside', and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested.

DO NOT apply this product to Colonial bentgrass (*Agrostis tenuis*) varieties.

**** Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo1', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'. Not all varieties of fine fescue have been tested.

***** **DO NOT** use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

NOTE: It is not possible to evaluate all turfgrass varieties for tolerance to dithiopyr. It is suggested that the user evaluate the response of turfgrass varieties to this product on a limited area, at the specified use rates, prior to initiating large-scale use.

APPLICATION EQUIPMENT

Apply this product with drop-type or rotary-type 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 the equipment periodically to confirm that it is working properly and that the granules are being uniformly distributed. A more uniform application can be made by spreading one-half of the specified amount of this product over the turfgrass area and then spreading the remaining one-half of this product at a right angle to the previous application direction.

APPLICATION TIMING – INSECT CONTROL

White Grubs: Apply this product 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.

Billbugs: Apply this product 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 this product 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 this product 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: This product will provide curative caterpillar control in turfgrass. If the area being treated is maintained at a mowing height of greater than one inch, the higher rate listed in Table 1 may be required during periods of high pest pressure.

APPLICATION TIMING – WEED CONTROL

Spring Application

Control of Crabgrass: This product provides preemergence control of crabgrass and control or suppression of other listed weeds when applied prior to their germination. In addition, this product provides postemergence control of seedling crabgrass after germination and emergence. Postemergence control is limited to crabgrass only and is effective up to 4 weeks after germination of crabgrass. This generally corresponds to the time when crabgrass seedlings are at the 3-leaf stage of growth and first become visible in the established turf. This product will not control crabgrass at later growth stages when crabgrass plants begin to tiller (spread). Properly timed applications will control existing crabgrass and prevent further emergence of crabgrass seedlings. **DO NOT** apply this product later than 4 weeks after crabgrass germination.

Control or Suppression of Other Grass and Broadleaf Weeds: For control or suppression of other grass and broadleaf weeds, this product must be applied as a **preventative** treatment prior to their germination and emergence. Only crabgrass will be controlled with applications made up to 4 weeks after weed germination.

Fall Application

This product can also be applied from late summer through early fall (late August through November). When applied in the fall, a sequential or second application of this product must be made the following spring to provide season-long control of crabgrass. If this product is applied in the fall, **DO NOT** reseed, overseed or sprig turfgrasses within 12 weeks after application.

Tips for Improved Weed Control

- For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.
- The turf herbicide and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.

Weeds Controlled: This product will provide control of crabgrass and other grass and broadleaf weeds listed below when applied prior to germination in established lawns and ornamental grasses.

Grasses

Barley
Barnyardgrass
Bluegrass, Annual
Brome
Crabgrass, Large
Crabgrass, Smooth
Crabgrass, Southern
Dallisgrass
Goosegrass
Foxtail, Green
Foxtail, Yellow
Oats, Wild
Ryegrass (Annual & Perennial)
Sandbur
Smutgrass

Broadleaf Weeds

Carpetweed
Henbit
Knotweed, Prostrate
Marestail
Medic, Black
Mustard
Oxalis, Buttercup
Pineappleweed
Pigweed, Redroot
Purslane, Common
Rocket, London
Shepherdspurse
Spurge, Garden
Spurge, Prostrate
Spurge, Spotted
Woodsorrel, Creeping
Woodsorrel, Yellow

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

Table 1 provides the application rates that will control the listed insect pests and will also control the listed grass and broadleaf weeds. **Restrictions: DO NOT** apply more than 198 pounds of this product/acre per application and no more than 299 pounds (equivalent to 0.20 lb. of chlorantraniliprole and 0.75 lb. of dithiopyr) of product/acre per year in broadcast applications to turfgrass.

TABLE 1: TURFGRASS APPLICATION RATES

Target Pest (Including Listed Weeds)	Product per Acre	Product per 1,000 Sq. Ft.	Lb A.I./A Acelepryn®	Lb A.I./A Dimension®
White Grubs (including <i>Aphodius</i> spp., Asiatic garden beetle, black turfgrass ataeus, 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 198 pounds	3.44 to 4.55 pounds	0.1 to 0.13	0.38 to 0.50
Billbugs				
European Crane Fly				
Turf caterpillars (including armyworms, cutworms and sod webworms)				

***NOTE: For 3-4 months weed control** use 150 pounds/acre of this product.

For early postemergence control of crabgrass, use 150 to 198 pounds of this product/acre. Use the higher rate in areas of high weed pressure.

In the State of New York: DO NOT exceed 0.5 pound of dithiopyr/A (198 pounds product/A) per year.

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.

RESISTANCE MANAGEMENT

Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the labeled application rates 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 Cooperative Extension Service specialist or pest control advisor for the latest information on resistance management in your area.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store product in its original container in a cool, dry, locked place out of the reach of children and animals.

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. Offer for recycling if available. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

WARRANTY

NOTE: To the extent consistent with applicable law, Buyer assumes all responsibility for safety and performance if this product is not used according to the directions.