



#### 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 normally 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  
Shepherd's Purse  
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 299 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 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 299 pounds	3.44 to 6.88 pounds	0.1 to 0.2	0.25 to 0.50
Billbugs				
European Crane Fly				
Turf caterpillars (including armyworms, cutworms and sod webworms)				
Annual Bluegrass Weevil Spittlebugs	225 to 299 pounds	5.17 to 6.88 pounds	0.15 to 0.20	0.38 to 0.50
Chinch Bugs (suppression)	150 to 225 pounds	3.44 to 5.17 pounds	0.1 to 0.15	0.25 to 0.38

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

**For early postemergence control of crabgrass,** use 150 to 299 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 (299 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.

## 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, 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.