



Chlorantraniliprole	GROUP	28	INSECTICIDE
Dithiopyr	GROUP	3	HERBICIDE

FERTILIZER W/ Acelepryn 0.058% and Dimension 0.19

2301-1140 20-0-0

INTENDED FOR SALE TO, AND USE BY PROFESSIONAL/COMMERCIAL APPLICATORS ONLY

Not for sale, sale into, distribution and/or use in Nassau, Suffolk, Kings, Queens Counties of New York State.

For systemic control of white grubs and listed insects, and preemergent control of crabgrass and listed annual grasses and broadleaf weeds.

Active Ingredient:

dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester.....	0.190%
Chlorantraniliprole* 3-Bromo-N-(4-chloro-2-methyl-6-((methylamino)carbonylphenyl)-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide..	0.058%
Other Ingredients.....	99.752%
Total.....	100.000%

*Chlorantraniliprole belongs to the anthranilic diamide chemical class
EPA Reg. No. 52287-23 EPA Est. No.52287-AL-001

GUARANTEED ANALYSIS

Total Nitrogen (N)*.....	20.0000%
3.7640% Ammoniacal Nitrogen	
16.0000% Urea Nitrogen	
0.2360% Water Insoluble Nitrogen	
Sulfur (S)	4.7060%
4.7060% Combined Sulfur (S)	
Iron (Fe)	0.4710%
0.0940% Water Soluble Iron (Fe)	

Derived From: Anhydrous Ammonia, Biosolids Protein Hydrolysate, Food Digestate Protein Hydrolysate, Manure Digestate Protein Hydrolysate, Polymer Coated Urea, Sulfuric Acid, Ferrous Sulfate

* 16% coated slow release Nitrogen(N) from Polymer Coated Urea, 1.2% slowly available Nitrogen(N) from Manure Digestate Protein Hydrolysate, Food Digestate Protein Hydrolysate, Biosolids Protein Hydrolysate

F352 Density - 65 lb./cu. ft. Batch No. 2301-1140
Net Wt. 50 LBS. (22.7 KG)

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.)

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours a Day 1-800-262-8200
For **PRODUCT USE** information Call 1-800-282-8007

FIRST AID

If in eyes:	<ul style="list-style-type: none"> Hold eyes 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. Call a poison control center or doctor for treatment advice.
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Have the product container or label with you when calling a poison control center or doctor or going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks, and gloves. Follow manufacturer's instructions for cleaning/maintaining 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 after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

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 where/when 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 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 tables 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 entire label before using this product.

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 agency responsible for pesticide regulation.

PRODUCT INFORMATION

This product contains a combination of an insecticide (Chlorantraniliprole/Acelepryn*) and a herbicide (Dithiopyr/Dimension*) that may be applied for the control of white grubs, crabgrass and other listed pests.

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 dwelling, 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.

The insecticide in 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 may be used in rotational resistance management programs. Consult your Cooperative Extension Service or pest control advisor for information on application timing specific to your region.

APPLICATION EQUIPMENT

Apply this product using a drop-type or rotary-type 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, periodically check the equipment to confirm that it is working properly and the granules are being uniformly distributed.

TOLERANT TURFGRASS SPECIES

This product may be applied to established lawns and ornamental turfgrasses composed of the following turfgrass species:

Cool-Season Grasses	Warm-Season Grasses
Creeping Bentgrass*	Bahlagrass
Fine Fescues**	Bermudagrass
Kentucky Bluegrass	Buffalograss***
Perennial Ryegrass	Carpentgrass
Tall Fescues	Centipedegrass
	Kikuyugrass
	St. Augustinegrass
	Zoysiagrass

*Use of this product on certain varieties of creeping bentgrass, 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 varieties have been found to be sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Bigart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'. Not all varieties 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 this product. For varieties not listed on this label, it is recommended the user evaluate turfgrass response on a limited area using the labeled application rates.

APPLICATION TIMING

INSECT CONTROL

White Grubs: Apply from early April to early September for preventative and early curative control of all of the major white grub species infesting turfgrass. The higher rate listed for white grub control in Table 1 may be required for early season (April-May) where a long residual is required or in late August-early September when less sensitive mid-instar grubs are present at the time of application. Irrigate turf immediately after application.

Billbugs: Apply when overwintered adults are first observed, which usually occurs in cool-season turfgrass in late April to early May. An application at this time will also provide white grub control. The higher rate listed in Table 1 may be required for applications 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 larvae in turfgrass. The higher rate listed in Table 1 may be required when applications are made in November.

Turf Caterpillars: This product provides curative control in turfgrass. If the treated area 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.

Annual Bluegrass Weevil: Apply late April or early May when overwintered adult weevils are observed.

Spittlebugs: Apply this product in spring or summer for two-lined spittlebug control.

Chinch Bugs: For suppression of chinch bugs, apply this product before eggs hatch.

WEED CONTROL

This product may be applied as a single application or a split application for crabgrass control. For best results, apply in the spring or fall prior to weed germination in established lawns and ornamental turfgrasses. This product provides preemergence control of crabgrass and other listed weeds when applied prior to their germination and it may also provide postemergence control of seedling crabgrass.

Postemergence Crabgrass Control: Postemergence control provided by this product is limited to crabgrass and only if application is made prior to the 3-leaf stage of growth or first tiller.

Reseeding, Overseeding, or Sprigging: Wait 8 – 10 weeks before reseeding, overseeding, or sprigging turfgrasses treated with this product. Reseeding, overseed, or sprigging prior to 8 weeks after application may inhibit the establishment of desirable turfgrasses.

New Lawns: This product may be applied two weeks after the first sign of germination of new Kentucky Bluegrass, Perennial Ryegrass, or Tall Fescue lawns. For other listed tolerant turfgrasses, the grass must be well established (2 mowings) before this product can be applied.

Spring and Fall Application: This product may be applied in the spring and/or fall. When applied in the fall, a second application may be made the following spring to provide up to 4 months of control/suppression of weeds. For fall applications, do not reseed, overseed or sprig turfgrasses before 12 weeks after application due to potential injury.

Weeds Controlled or Suppressed: When applied preemergence (prior to germination) for control of crabgrass, this product will also control or suppress the grassy and broadleaf weeds listed below.

Grassy Weeds	
Barley	Goosegrass
Barnyardgrass	Foxtail, green
Bluegrass, Annual	Foxtail, yellow
Brome	Kikuyugrass [†]
Crabgrass, large	Oats, wild
Crabgrass, smooth	Ryegrass, (annual & perennial)
Crabgrass, Southern	Sandbur
Crowfootgrass [†]	Smutgrass
Dallisgrass (seedling)	
Broadleaf Weeds	
Bittercress [†]	Pigweed, redroot
Carpetweed	Parsley-piert [†]
Chickweed [†]	Purslane, common
Geranium, Carolina [†]	Rocket, London
Henbit	Shepherdspurse
Knotweed, prostrate	Speedwell, corn [†]
Lespedeza, common [†]	Spurge, garden
Marestail	Spurge, prostrate
Medic, black	Spurge, spotted
Mustard	Woodsorrel, creeping
Oxalis, buttercup	Woodsorrel, yellow
Pineappleweed [†]	
	[†] Suppression only

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

Follow the application rates provided in Table 1 to control or suppress the listed insects and grassy and broadleaf weeds. Restriction: Do not apply more than 263 pounds of this product/acre per application and no more than 350 pounds of product/acre per year to turfgrass. [Equivalent to 0.20 lb of chlorantraniliprole (Acelepryn) and 0.66 lb of dithiopyr (Dimension) per acre/year]

TABLE 1 – APPLICATION RATES

Target Pest	Pounds of Product/Acre	Pounds of Product/1,000 sq ft	Acelepryn (Chlorantraniliprole) Lb AI/A	Dimension (Dithiopyr) LB AI/A
White Grubs (including Aphodius spp., Asiatic garden beetle, black turfgrass Ataenius, European chafer, green June beetle, Japanese beetle, May/June beetles (Phyllophaga spp.), northern masked chafer, oriental beetle and southern masked chafer)	175 – 263	4 – 6	0.1 – 0.153	0.33 – 0.5
Billbugs				
European Crane Fly				
Turf caterpillars (including armyworms, cutworms and sod webworms)				
Annual Bluegrass Weevil	263	6	0.153	0.5
Spittlebugs				
Chinch Bugs (suppression only)	175 – 263	4 – 6	0.1 – 0.153	0.33 – 0.5
Listed Grassy & Broadleaf Weeds	175 – 263	4 – 6	0.1 – 0.153	0.33 – 0.5

NOTE: For 3 – 4 months weed control use 175 pounds/acre of this product. For early postemergence control of crabgrass, use 175 to 263 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 pounds of Dimension (Dithiopyr) active ingredient (263 pounds of product/A) per year.

INTEGRATED PEST MANAGEMENT (IPM) PROGRAMS

This product is recommended for IPM programs on turf 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. This product will reduce the target pest species that may serve as a food source for beneficial arthropods.

INSECT RESISTANCE MANAGEMENT

The insecticide active ingredient in this product is Chlorantraniliprole, a Group 28 Insecticide, based on the mode of action classification system of the Insecticide Resistance Action Committee. 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.

WEED RESISTANCE MANAGEMENT

The herbicide active ingredient in this product is Dithiopyr, a Group 3 herbicide, based on the mode of action classification system of the Weed Science Society of America. Any weed population may contain or develop plants naturally resistant to Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Resistant weeds may not be managed using Group 3 herbicides alone and may require the use of an herbicide from different herbicide groups that control the same weeds. Develop strategies to mitigate herbicide resistance by incorporating mechanical, cultural and biological practices in addition to the use of herbicides. Scouting and site history can be used to develop a comprehensive weed management program. Clean equipment before moving to another site and to the extent possible avoid weed escapes. Establish practices to prevent reproduction of weeds by seed or vegetative propagules. Apply this herbicide at the correct timing and rate needed to control the most difficult weed identified on the site. Difficult to control weeds may require sequential applications of herbicides, possibly with different modes of action.

Contact your local Harrell's representative, state cooperation extension service, a professional consultant, or other qualified authority for advice on pesticide resistance-management or recommendations for resistant insects or weed biotypes.

USE PRECAUTIONS

- Only apply to well established turf
- Wait a minimum of 30 days to retreat

USE RESTRICTIONS

- Not for use on plants being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.
- Keep people and pets off treated areas until dust has settled
- Do not formulate this product into other end-use products
- Do not apply this product in commercial nurseries or greenhouses
- Do not apply to golf course putting greens
- Do not apply more than 350 lb of product/acre/year to turfgrass, equivalent to 0.20 lb of Acelepryn (chlorantraniliprole) and 0.66 lb of Dimension (Dithiopyr)
- Wait a minimum of 7 days to retreat
- Do not use clippings from treated turf for mulching around trees or fruit trees
- Do not apply by air
- The following restrictions are required to permit use of this product in the State of New York.
 - Not for sale, sale into, distribution and/or use in Nassau, Suffolk, Kings, Queens Counties of New York State.
 - Golf Courses
 - Greens, tee boxes: Do not apply this product within 25 feet of water body (lake, pond, river, stream, wetland, or drainage ditch)
 - Fairways: Do not apply this product within 50 feet of 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 263 lb product/acre/year (0.5 lb Dimension (Dithiopyr)/A/year).
- In the State of Maryland, do not apply this product at more than 0.9 lbs of Nitrogen per 1,000 sq ft.

STORAGE AND DISPOSAL

PESTICIDE STORAGE

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

For 50, 1000, 2000 pound bags and totes

Non-refillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then dispose of empty container in a sanitary land fill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Kilobrews and other bulk transport vehicles

Refillable container: Containers handling instructions are not required. Cleaning before refilling is the responsibility of the refiller.

IMPORTANT: READ BEFORE USE

CONDITIONS OF SALE, WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Harrell's LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, HARRELL'S LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Harrell's LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, HARRELL'S LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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Manufactured By and Guaranteed By:
Harrell's, LLC
PO Box 807
Lakeland, FL 33802

Acelepryn® trademark of Syngenta Group Company

Dimension® trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Growing a Better World® is a registered trademark of Harrell's, LLC

EPA Accepted 5/23/2018

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