

DuPont™ ACELEPRYN™

Insecticide with



Turf Products Fertilizer 22-0-8

FEATURES & USE TIPS:

- Contains DuPont™ ACELEPRYN™ insecticide, a newer insecticide class with a novel mode of action.
- For fertilization and insect control in turfgrass and landscape ornamentals and sod farms.
- Systemically controls white grubs and other pests infecting landscapes and recreational turfgrass (including golf courses) as well as landscape ornamentals and sod farms.
- Classified as reduced-risk by the United States EPA for use on turf.
- Controls other important turf insects, including annual bluegrass weevil, billbugs, chinch bugs (supression only), caterpillars and European Crane Fly.
- High uniformity precision blend for accurate spreading and consistent performance.
- Fifty percent of total nitrogen is derived from NS-54™ slow release nitrogen.

PRODUCT SPECIFICATIONS:

N (22%):	Urea Nitrogen* *11.00% Slowly available nitrogen from polymer coated sulfur coated urea
K - as K₂O - (8%):	Potassium Chloride
S (1.02%):	Free Sulfur
Cl (4.24%):	Chlorine Max
Active Ingredient:	Chlorantraniliprole (0.067%)

Following is a specimen label that may at some point be revised or otherwise become out of date. It is intended as a guide in providing general information regarding the use of this product. Always read and follow the label on the product container.

PRODUCT CODE:

APT221AC5

Date: 050709
Supersedes: 042709
Label: C9

PRODUCT CHARACTERISTICS:

Product Type:

Combination fertilizer & DuPont™ ACELEPRYN™ Insecticide

Nitrogen Type:

NS-54™

Particle Size:

SGN: 215

Net Weight:

50 lbs.

Coverage:

9,600 sq. ft. @
Medium rate

Bags/ Pallet:

45

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To order, contact your local Andersons Golf Products distributor.

For more information, contact Andersons at our website: www.andersonsgolfproducts.com or call 1-800-225-2639.

DuPont™ ACELEPRYN™ Insecticide with The Andersons® Turf Products Fertilizer 22-0-8

GROUP **28** INSECTICIDE

INTENDED FOR USE BY COMMERCIAL APPLICATORS ONLY.

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

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%
Inert Ingredients	99.933%
TOTAL	100.000%

EPA Reg. No. 352-734-9198
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
Underlined letter is first letter used in run code on bag

*Chlorantraniliprole belongs to the anthranilic diamide chemical class.

Guaranteed Analysis

Total Nitrogen (N).....	22.00%
22.00% Urea Nitrogen*	
Soluble Potash (K ₂ O).....	8.00%
Sulfur (S).....	1.02%
1.02% Free Sulfur (S)	

Plant nutrients derived from urea, potassium chloride and polymer coated sulfur coated urea.
Chlorine (Cl) Max..... 4.24%
*11.00% Slowly available Nitrogen from polymer coated sulfur coated urea.

F292

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-ap.com>

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 **1-800-757-8951** 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 product 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.

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.

This product should be used only in accordance with recommendations on this label or in separate manufacturer supplemental labeling that may be made temporarily available through local distributors, as a result of new EPA approvals. The Andersons will not be responsible for losses or damages resulting from the use of this product in any manner not specifically stated on the label or other labels or bulletins published by The Andersons. User assumes all risks associated with such non-specified use.

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

This product 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.

This product 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.

This product should not be applied 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.

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 local Andersons Turf Products representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

APPLICATION EQUIPMENT

This product may be applied with drop-type, rotary-type or hand-held application equipment. The application equipment should be properly calibrated according to the manufacturer's directions to ensure uniform coverage over the treated area. During application, the equipment should be checked periodically to confirm that it is working properly and that the granules are being uniformly distributed.

APPLICATION TIMING

White Grubs: This product may be applied 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 in late August or early September when less sensitive mid-instar grubs are present at the time of application. As is the case with any insecticide applied to turfgrass for white grub control, optimal results will be achieved if the product is irrigated into the turf immediately after application.

Annual Bluegrass Weevil: This product should be applied 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 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 mid-May.

Billbugs: This product should be applied 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: This product should be applied 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, 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 this product 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 this product at up to 500 pounds per acre (0.33 lb AI/A) to control any of the pests listed in Table 1. 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/A
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 – 300 pounds	3.44 to 6.88 pounds	0.1 to 0.2
Billbugs			
European Crane Fly			
Turf caterpillars (including armyworms, cutworms and sod webworms)			
Annual bluegrass weevil	225 to 300 pounds	5.17 to 6.88 pounds	0.15 to 0.2
Chinch bugs (suppression only)	150 to 300 pounds	3.44 to 6.88 pounds	0.1 to 0.2

APPLICATION RATES FOR ORNAMENTAL PLANTS

Table 2 provides the application rates that will control the pests of landscape ornamentals and interior plant-scapes. Black plastic or other weed barrier materials that are impermeable to water should be removed before application. For maximum residual effectiveness or for optimal control of large pest infestations, this product 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 GROUNDCOVER APPLICATION RATES

Target Pest	Product per Acre	Product per 1,000 Square Feet	lb AI/A
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)	150-300 pounds	3.44 to 6.88 pounds	0.1 to 0.2

Suggested Spreader Settings

These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.

- 50 lbs. treats 14,500 sq. ft. (0.33 acre) at the 150 lbs. product/acre - LOW RATE (3.44 lbs/1,000 sq. ft. rate)
- 50 lbs. treats 9,600 sq. ft. (0.22 acre) at the 225 lbs. product/acre - MEDIUM RATE (5.17 lbs/1,000 sq. ft. rate)
- 50 lbs. treats 7,200 sq. ft. (0.17 acre) at the 300 lbs. product/acre - HIGH RATE (6.88 lbs/1,000 sq. ft. rate)
- 50 lbs. treats 4,300 sq. ft. (0.10 acre) at the 500 lbs. product/acre - HEAVY RATE (11.47 lbs/1,000 sq. ft. rate)

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			LOW RATE 0.10 lbs. ai/A	MEDIUM RATE 0.15 lbs. ai/A	HIGH RATE 0.20 lbs. ai/A	HEAVY RATE 0.33 lbs. ai/A
Andersons AccuPro 2000, SR-2000 (cone 4)	3 mph	11 feet	L 1/2	N 1/2	P 1/2	T
Scotts R-8A (conē 4)	3 mph	11 feet	K 1/2	M 1/2	O 1/2	S 1/2
Lesco 020093 (pattern 0.25)	3 mph	10 feet	E 1/2	F 1/2	H	K 1/2
Lesco 705698 (pattern 0.25)	3 mph	10 feet	13	15	18	25
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm) Pattern II-C	4.5 mph	40 feet	4 3/4	5 1/2	6 1/4	8
Vicon (03 Series)	4.5 mph	34 feet	26	33	39	54

We recommend that you follow the Florida Green Industries BMP's at: http://www.flaes.org/pdf/BMP_Book_final.pdf

We recommend that you follow the Florida Golf Course BMP's at: <http://www.flaes.org/pdf/glfbmp07.pdf>

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

This product 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. This product 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 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. Consult your local Andersons Turf Products 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 The Andersons.
- 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.

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.

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 Manufacturer 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.**

Manufacturer warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated on in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

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To the extent consistent with applicable law that allows such requirement, Manufacturer 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 Manufacturer or a Manufacturer's distributor of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.

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Nonrefillable Container

SGN 215
Net Weight 50 Lbs. (22.68 kg)



APT221AC5
C9 (APTBLKPREDB)