

**Not for Sale, Sale Into, Distribution and/or Use in Nassau, Suffolk, Kings, Queens Counties of New York State.**

**GROUP 28 INSECTICIDE**



## Fertilizer Plus 0.067% Acelepryn®

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.

Active Ingredient:  
Chlorantraniliprole\*  
3-Bromo-N-[4-chloro-2-methyl-6-[(methylamino) carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide ..... 0.067%  
Other Ingredients ..... 99.933%  
Total: ..... 100.000%

\*Chlorantraniliprole belongs to the anthranilic diamide chemical class.

### 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.)

**EPA Reg. No. 100-1492-34704**  
**Lot number designates EPA Establishment Number.**  
EPA EST. NO. 82757-OH-001 (lot code begins MF)  
EPA EST. NO. 82757-MA-002 (lot code begins H)  
EPA EST. NO. 82757-FL-001 (lot code begins S)  
EPA EST. NO. 57131-WI-001 (lot code begins EC)

**Net Weight: 50 Lbs. ( 22.68 Kgs)**  
Non-refillable Container

#### 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.

#### HOTLINE NUMBER

For 24-Hour Medical Emergency Assistance (Human or Animal),  
or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident)  
Call 1-800-424-9300

#### 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 (PPE)

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

User 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 impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. 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.

#### Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

### 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. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

#### CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

**BEFORE BUYING OR USING THIS PRODUCT**, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS PRODUCT IS SOLD "AS IS," AND LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT LOVELAND PRODUCTS, INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL AND TO THE EXTENT REQUIRED BY APPLICABLE LAW, BUYER OR USER MUST SEND WRITTEN NOTICE OF ITS CLAIM TO THE FOLLOWING ADDRESS: LOVELAND PRODUCTS, INC., ATTENTION: LAW DEPARTMENT, P.O. BOX 1286, GREELEY, CO 80632-1286.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

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For non-emergency (e.g., current product information), call LPI Customer Service at 1-888-LPI-CUST (574-2878)

# 0-0-7

#### Guaranteed Analysis

Soluble Potash (K<sub>2</sub>O) ..... 7.00%

Derived from: Muriate of Potash

Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to the intended application site, and sweep any product that lands on impervious surfaces (the driveway, sidewalk or street) back onto the intended application site.

#### APPLICATION EQUIPMENT

Apply *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 the granules are being uniformly distributed.

Spreader	Spreader Settings		
	150 lb/A 3.44 lb/100 sq ft	225 lb/A 5017 lb/1000 sq ft	300 lb/A 6.88 lb/1000 sq ft
Scotts R8A	K ½	M ½	O ½
AccuPro 2000	L ½	N ½	P ½
LESCO (Numbers)	13	15	18
LESCO (Letters)	E ½	F ½	H

Signature® is a registered trademark of Loveland Products, Inc.

	<b>Guaranteed By:</b> <b>LOVELAND PRODUCTS, INC.</b> P.O. BOX 1286 GREELEY, CO 80632-1286
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See reverse for complete Directions for Use.

## 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.

*Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn® must be used only in accordance with specifications on this label or in separate Loveland Products, Inc. supplemental labeling that may be made temporarily available through local distributors, as a result of new EPA approvals. Loveland Products, Inc. will not be responsible for losses or damages resulting from the use of this product in any manner not specifically stated on this label or other labels or bulletins published by Loveland Products, Inc. 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. Do not apply this product in commercial nurseries and greenhouses.

### PRODUCT INFORMATION

*Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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.

*Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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.

*Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 Loveland Products, Inc. representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

### APPLICATION EQUIPMENT

Apply *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 the granules are being uniformly distributed.

### APPLICATION TIMING

#### White Grubs

Apply *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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

*Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn will provide control of two-lined spittlebug when applications are made in spring or summer.

#### Turf Caterpillars

*Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn at up to 500 pounds per acre (0.33 lb A/I/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 sq ft	lb A/I/A
White Grubs (including Aphodius spp., Asiatic garden beetle, black turfgrass atanius, European chafer, green June beetle, Japanese beetle, May/June beetles (Phyllophaga spp.), northern masked chafer, oriental beetle and southern masked chafer)	150–300 lb*	3.44–6.88 lb	0.1–0.2
Billbugs			
European Crane Fly			
Turf caterpillars (including armyworms, cutworms and sod webworms)			
Annual bluegrass weevil	225–300 lb*	5.17–6.88 lb	0.15–0.2
Spittlebugs			
Chinch bugs (suppression only)	150–300 lb*	3.44–6.88 lb	0.1–0.2

\*For maximum residual effectiveness or optimal control of large pest infestations, apply *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn at up to 500 pounds per acre (0.33 lb A/I/A).

### 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 optimal control of large pest infestations, *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn may be applied at up to 500 pounds per acre (0.33 lb A/I/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 GROUND-COVER APPLICATION RATES

Target Pest	Product per Acre	Product per 1,000 sq ft	lb A/I/A
White Grubs (Asiatic garden beetle, European chafer, green June beetle, Japanese beetle, May/June beetles (Phyllophaga spp.), northern masked chafer, oriental beetle and southern masked chafer)	150–300 lb*	3.44–6.88 lb	0.1–0.2

\*For maximum residual effectiveness or optimal control of large pest infestations, apply *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn at up to 500 pounds per acre (0.33 lb A/I/A).

### Spreader Settings

Spreader	150 lb/A 3.44 lb/100 sq ft	225 lb/A 5017 lb/1000 sq ft	300 lb/A 6.88 lb/1000 sq ft
Scotts R8A	K ½	M ½	O ½
AccuPro 2000	L ½	N ½	P ½
LESCO (Numbers)	13	15	18
LESCO (Letters)	E ½	F ½	H

### 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

*Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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. *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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 Loveland Products, Inc. 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 sod farms) 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 Loveland Products, Inc.
- 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 or landscape ornamental plants.
- 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 *Signature Brand Fertilizer*, Fertilizer Plus 0.067% Acelepryn 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).

Distributed by:  
Loveland Products, Inc.  
PO Box 1286  
Loveland, CO 80632-1286