

# Safeguard lawns from grubs, billbugs and surface feeders

Acelepryn<sup>®</sup> insecticide features the active ingredient *chlorantraniliprole*, which offers season-long control of many common turfgrass insects. When applied in the spring, Acelepryn can effectively control the larvae of multiple species of **white grubs**, **billbugs** and **surface feeders** like turf caterpillars.

## Grub Protection and More

With Acelepryn, you can count on control of the following insect species.

- **White Grubs**
  - Chafers; European, Northern & Southern
  - Asiatic garden beetle
  - Japanese beetle
  - Green June beetle
  - Oriental beetle
  - May/June beetle
  - Black turfgrass atenioides
- European crane fly
- Billbugs
- **Turf caterpillars**
  - Black cutworm
  - Armyworm
  - Sod webworm

## Recommended Rates For Season-Long Control of Target Pests

Target Pest	Product Rate per Acre	Active Ingredient per Acre
Turf Caterpillars*	2 to 4 fl. oz.	0.026 to 0.052 lbs.
White Grubs and European Crane Fly	8 to 16 fl. oz.	0.104 to 0.208 lbs.
Billbugs**	8 to 20 fl. oz.	0.104 to 0.26 lbs.

\*Subsequent applications may be needed for season-long control of turf caterpillars at these rates.

\*\*In cases of high billbugs pressure, consider using the high labeled rate of 0.26 lbs. a.i./A.

## Formulation Comparison Table

Using the correct rate, application method and timing is essential for successful control of the targeted insect. The table below provides formulation comparisons based on use rate for liquid, granular or on-fertilizer formulations of Acelepryn.

Active Ingredient per Acre	Acelepryn 1.67 SC per Acre	Acelepryn On-Fertilizer 0.067%	Acelepryn G per Acre
0.026 to 0.052 lbs.	2 to 4 fl. oz.	Not labeled	Not labeled
0.104 lbs.	8.0 fl. oz.	150 lbs./A	50 lbs.
0.157 lbs.	12.0 fl. oz.	225 lbs./A	75 lbs.
0.208 lbs.	16.0 fl. oz.	300 lbs./A	100 lbs.

## White Grub Application Timing for Acelepryn Formulations

Formulation Type	Timing*	Specific Application Instructions
Acelepryn 1.67 SC	Early April – Mid-June	Use sufficient water volume (1–2 gal/1,000 ft <sup>2</sup> ) for liquid broadcast applications to uniformly distribute
Acelepryn On-Fertilizer	Mid-May – June (or prior to peak egg hatch)	Professional drop or broadcast spreader**
Acelepryn G	Mid-May – June (or prior to peak egg hatch)	Professional drop or broadcast spreader**

\*Regardless of formulation type, optimal results are achieved if Acelepryn is irrigated into the turf after application, or allow rainfall to move product into the soil.

\*\*The application equipment should be properly calibrated according to manufacturer’s specifications to ensure uniform coverage over the treatment area.

### Best Practices for Application

- Minimizing thatch accumulation will aid Acelepryn in reaching the target insect.
- Avoid mowing treated area until irrigation or rainfall has occurred.
- The higher application rate may be required where a long residual is desired.

### For Control of Turf Caterpillars, Billbugs and European Crane Flies

- For turf caterpillars, timing may coincide with white grub application. For optimal control, apply at or before first sign of activity and delay watering-in or irrigation for 24 hours.
- For billbugs, application should be timed at peak adult activity in the spring. The higher rate listed may be required for applications made after early May or when species other than bluegrass billbugs are present – up to 0.26 lbs. ai/A.
- For European crane flies, application should be made September – November to control larvae when they are hatching out of the eggs. Recommend 0.157 lbs. – 0.208 lbs. a.i./A.



Grub Damage on Turf



Lawn Damaged by Billbug Larvae



Roots Damaged by Grubs

For additional information on Acelepryn, contact the Syngenta Customer Center at 1-866-SYNGENTA (1-866-796-4368) or visit [GreenCastOnline.com/Acelepryn](https://www.GreenCastOnline.com/Acelepryn). While visiting GreenCast®, download the Acelepryn homeowner brochure to share with your customers.



/SyngentaTurf



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