

TURF CATERPILLAR SOLUTIONS

Turf caterpillars, such as fall armyworms, sod webworms and cutworms, are the larvae of several moth species. These lepidopterous pests can severely damage turfgrass as they feed on stems, crowns and leaves after emerging from the egg. However, these pests can be controlled season-long with one application of Acelepryn® or Acelepryn Xtra insecticide brands while simultaneously preventing grubs and billbugs.

SYMPTOMS AND ACTIVITY

Evidence of caterpillar damage is noted by brown patches in turfgrass. Upon closer inspection, the areas will look grazed or scalped, and grass blades will show chewing damage.

- As caterpillars feed, populations will increase and cause the affected areas to rapidly increase in size.
- For optimum control, scouting for small-instar larvae is best to determine application timing.



Fall armyworms are especially destructive to turfgrass as an “army” of the caterpillars can quickly devour large areas of turf down to the soil.

- After overwintering, outbreaks can occur as early as April or May and the insects migrate northward in search of suitable sites to lay eggs.
 - Adult moths lay clusters of eggs on fence posts, flag sticks, tree leaves and bushes.
 - Once the larvae hatch, they move into adjacent turf to feed.
 - Several generations of eggs can be laid throughout the summer, which then quickly hatch to damage turf into the fall, so it is important to use a product that can provide several weeks of residual control.

syngenta®

ACELEPRYN BRANDS FOR CONTROL OF TURF CATERPILLARS AND MORE

Acelepryn and Acelepryn Xtra are some of the most effective insecticides for turf caterpillar control, providing turf managers with ultimate application flexibility and broad-spectrum control. With systemic activity and long soil residual, they provide rapid knockdown of existing outbreaks and extended control for six to eight weeks to prevent future outbreaks.

After application, the treatment moves into the soil and roots and up into the plant stem. This protects turfgrass from caterpillars that are feeding on the leaves and from other insects below the surface such as grubs and billbugs.

Applying Acelepryn or Acelepryn Xtra in the spring or early summer at the following times and rates will protect against grubs and turf caterpillars, and higher rates will also control billbugs.

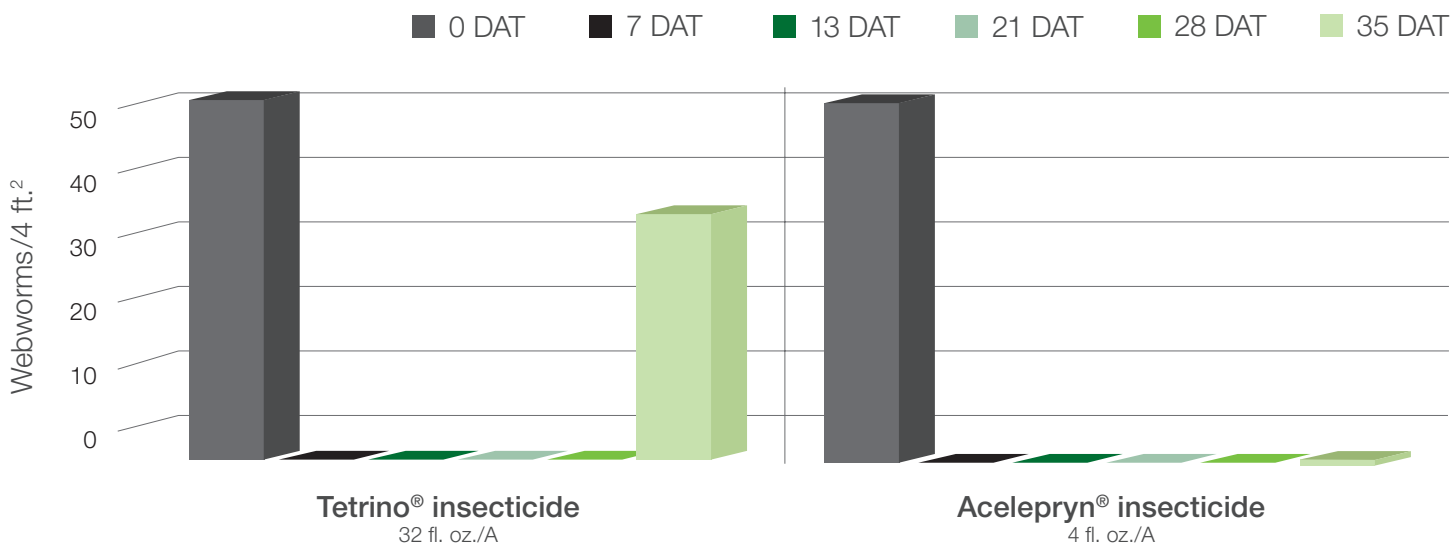
AGRONOMIC RECOMMENDATIONS

Apply a preventive application of Acelepryn Xtra or Acelepryn as outlined below:

DAYS OF CONTROL	PRODUCT	RATE	APPLICATION TIMING	NOTES
60-day caterpillar control	Acelepryn	4 fl. oz.	Apply as a preventive treatment	- No signal word - No adverse effects on beneficial organisms such as honey bees¹
Season-long white grub control	Acelepryn	4 fl. oz. 2(ee)	Northern U.S.: June-July	
Season-long white grub control + 90-day caterpillar control	Acelepryn	8 fl. oz.	For white grub control, apply when adult beetles are active Northern U.S.: May-June Southern U.S.: April-May	
Season-long billbug control + Season-long white grub control + 120-day caterpillar control	Acelepryn	12 fl. oz.	For billbug control, apply at first sign of adult activity to prevent larval development April-May	
60-day caterpillar control	Acelepryn Xtra	10 fl. oz.	Apply as a preventive treatment	
Season-long white grub control	Acelepryn Xtra	10 fl. oz.	Northern U.S.: June-July	
Season-long white grub control + 90-day caterpillar control	Acelepryn Xtra	16 fl. oz.	For white grub control, apply when adult beetles are active Northern U.S.: May-June Southern U.S.: April-May	This application provides additive control of ants and suppression of mole crickets
Season-long white grub control + 120-day caterpillar control + Season-long billbug control	Acelepryn Xtra	20 fl. oz.	For white grub and billbug control: April-May	This application provides additive control of: Ants and chinch bugs Late-instar grubs (through the second instar) - And suppression of mole crickets

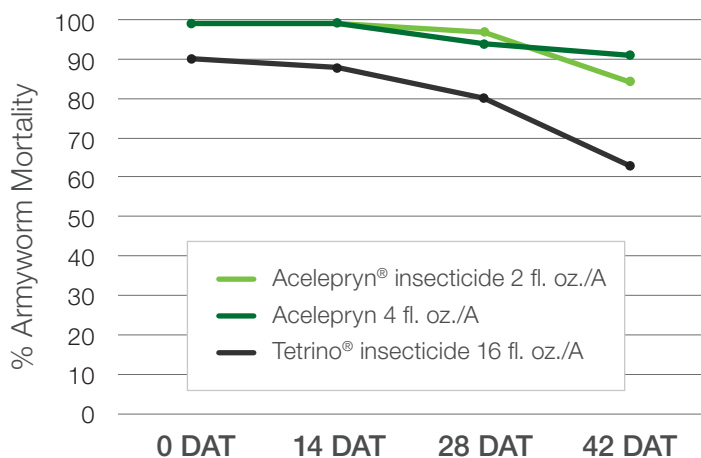
¹ Source: Jonathan L. Larson, Carl T. Redmond and Daniel A. Potter, SCL. September 2011.

EXTENDED TROPICAL SOD WEBWORM CONTROL WITH ACELEPRYN



Travis Teuton, Southeastern Turfgrass Research Center, Anthony, Florida.
Tifway bermudagrass mowed at 0.5 in. Treatments applied once on June 18, 2021. DAT = days after treatment.

RESIDUAL CONTROL OF FALL ARMYWORM WITH ACELEPRYN



Dr. Rick Brandenburg, Raleigh, North Carolina.

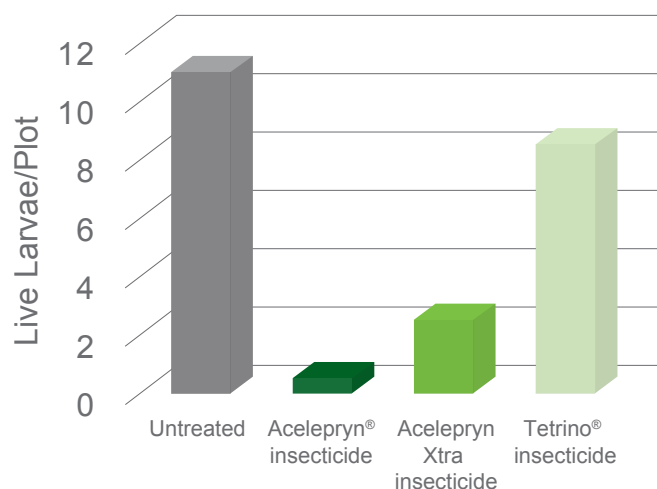
Tifway bermudagrass mowed at 2 in. Treatments applied once on August 12, 2021. Fifth- and sixth-instar fall armyworms introduced into arenas 0, 14, 28 and 42 days after application. Percent mortality assessed after 72 hours.

SEE ACELEPRYN IN ACTION

This golf course superintendent trusts Acelepryn to stop armyworms in their tracks.



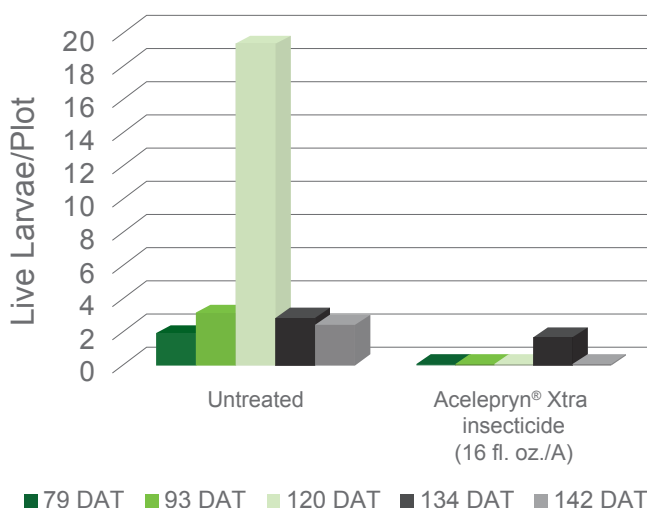
SOD WEBWORM RESIDUAL CONTROL IN BERMUDAGRASS FAIRWAY WITH ACELEPRYN BRANDS



Silvana Paula-Moraes, Jay, Florida, 2023.

Treatments applied once on May 31, 2023 in 2 gal./1,000 ft.². Results assessed 49 days after application.

SOD WEBWORM CONTROL IN BERMUDAGRASS WITH ACELEPRYN XTRA



Buzz Uber, Crop Inspection Service, Valley Center, California, 2019.

Treatments applied to bermudagrass on May 17, 2019. While Acelepryn Xtra was applied at 16 fl. oz./A, the recommended rate of 20 fl. oz./A may result in greater control.

PROVAUNT WDG: ANOTHER EFFECTIVE SOLUTION FOR TURF CATERPILLARS

- Applications should be made when caterpillar activity is first observed.
- Caterpillars **stop feeding within minutes** of contact with spray droplets or residue on leaf surfaces.
- **Mortality occurs within 48 hours** after feeding stops.
- **Provaunt® WDG insecticide applied at 6 fl. oz./A** provides excellent knockdown and up to three weeks of residual control.
- For the best knockdown control, **avoid irrigation for 24 hours after treatment** to allow time for insects to ingest the active ingredient.



To find out which Acelepryn brand is right for you, visit [GreenCastOnline.com/AceleprynBrands](https://www.GreenCastOnline.com/AceleprynBrands)

📺 @SyngentaTurf #Time4Acelepryn #Time4AceleprynXtra

Performance assessments are based upon results or analysis of public information, field observations and/or internal Syngenta evaluations.

Trials reflect treatment rates commonly recommended in the marketplace.

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