

Broad Spectrum, Season Long Control



PRODUCT TECHNICAL INFORMATION

Acelepryn® Turf Insecticide

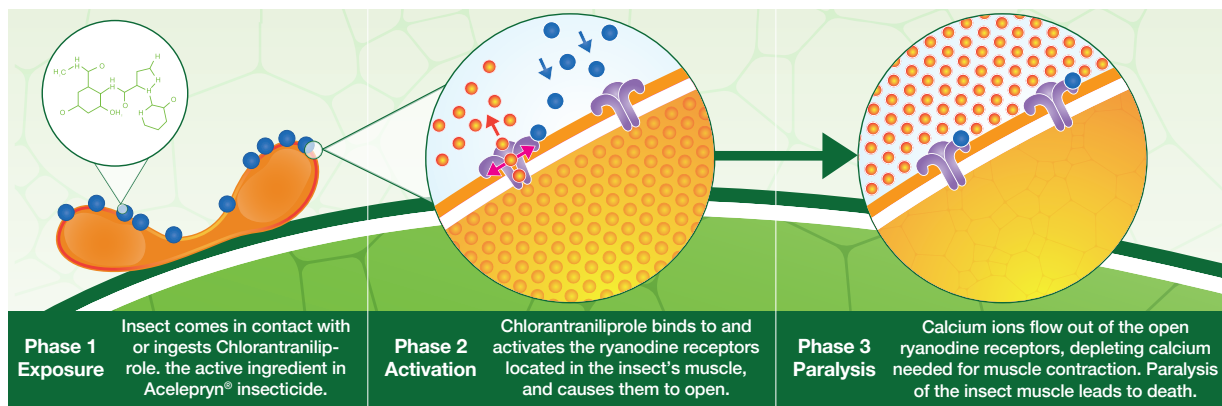
Acelepryn® provides Turf Managers unmatched season long subsurface grub control with a single preventative application. Acelepryn also delivers outstanding control of many key surface feeding pests including Annual Bluegrass Weevil Larvae, Fall Armyworm, Cutworm, Black Cutworm and Sod Webworm.

Class of Chemistry

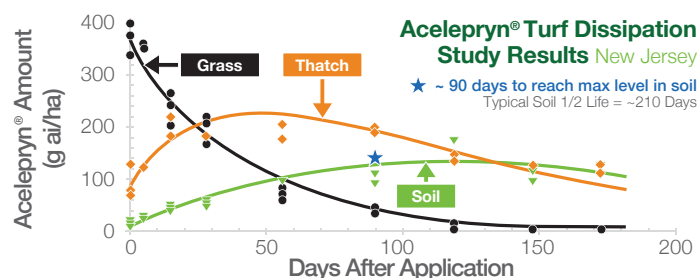
Acelepryn® is the first turf product featuring an active ingredient from the anthranilic diamide class of chemistry. This class was inspired by research into the insecticidal properties of ryanodine – a natural substance found in the bark of trees and shrubs of the genus *Ryania*.

Mode of Action

Chlorantraniliprole, the active ingredient in Acelepryn® is a synthetic compound that affects the ryanodine receptors in the insect muscle fibre. Acelepryn binds to the ryanodine receptor and causes it to remain open, resulting in a depletion of calcium ions that disrupts muscle contraction.



Research has shown that Acelepryn® reaches its peak soil concentration approximately 90 days after the initial application. It gently moves down the leaf blades, through the thatch and into the soil. Time your applications so that peak concentrations in the soil are attained when 1st and 2nd instar grub larvae are starting to feed on the turf.





TURF PRODUCT APPLICATION

Accuracy and Performance

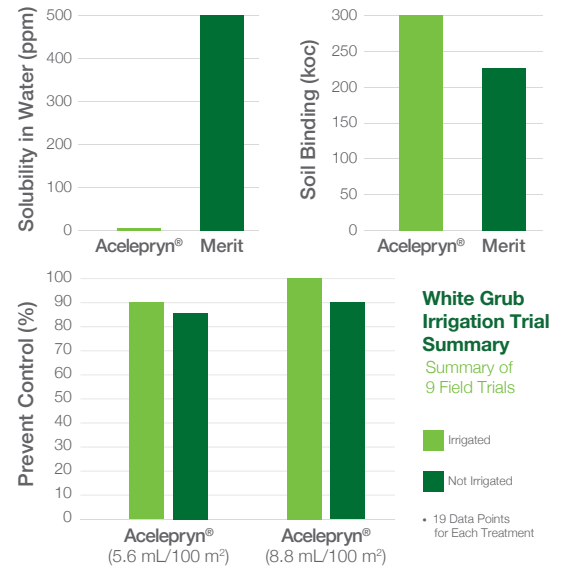
Acelepryn® is very active against 1st and 2nd instar larvae of the most destructive turf infesting grub species. The window for application should be positioned around the peak egg laying period by adult beetles. This timing can be monitored by the increasing activity of adult beetles, usually during spring and early summer. Acelepryn will also provide excellent curative caterpillar control in turfgrass and should be applied when pests/damage is observed.

Long Lasting Control

The binding of Acelepryn® within the soil matrix, combined with low water solubility means it is likely to stay where it is. The charts show the lesser mobility of Acelepryn. The combination of low water solubility and higher soil binding properties give Acelepryn its long residual action.

Irrigation

Unlike other grub control products, Acelepryn® provides the best results when you apply early. The wide application window allows the flexibility to apply when timing is right. Additionally, it is not required for the turf to be irrigated or rained on after Acelepryn is applied. Even without water, Acelepryn can still provide control (on turf) with minimal reduction in efficacy.



Active Ingredient	Formulation Type	Case Size	Case Coverage	Nozzle Selection	IRAC Group
Chlorantraniliprole	Suspension concentrate (SC)	4 x 1.89 L	6.7 – 52 ha (16 - 128 acres)	Syngenta XC 04 Syngenta XC 08 AI, TTJ	28

Pest Controlled	Product Rate per 100m ²	Case Coverage (hectares)	Case Coverage (acres)	Application Interval
Annual Bluegrass Weevil	8.8 - 11.25 mL	8.6 - 6.7	21.2 - 16.6	Season Long
Black Cutworm	1.45 - 2.9 mL	51.2 - 26.1	128.8 - 64.4	
Black Turfgrass Ataenius Larvae	5.6 - 8.8 mL	13.5 - 8.6	33.3 - 21.2	
Bluegrass Billbug	5.8 - 11.25 mL	13.0 - 6.7	32.2 - 16.6	
Chinch Bug	5.8 - 11.25 mL	13.0 - 6.7	32.2 - 16.6	
European Chafer Larvae	5.6 - 8.8 mL	13.5 - 8.6	33.3 - 21.2	
European Crane Fly Larvae	5.8 - 11.25 mL	13.0 - 6.7	32.2 - 16.6	
Fall Armyworm	1.45 - 2.9 mL	51.2 - 26.1	128.8 - 64.4	
Japanese Beetle Larvae	5.6 - 8.8 mL	13.5 - 8.6	33.3 - 21.2	
June Beetle Larvae	5.6 - 8.8 mL	13.5 - 8.6	33.3 - 21.2	
Sod Webworm	1.45 - 2.9 mL	51.2 - 26.1	128.8 - 64.4	

*suppression

To learn more about Acelepryn®, please visit

greencast.ca



For more information, contact your Syngenta Turf Specialist, visit GreenCast.ca, or follow @SyngentaTurfCA on Twitter. Customer Interaction Centre 1-87-SYNGENTA (1-877-964-3682).

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