



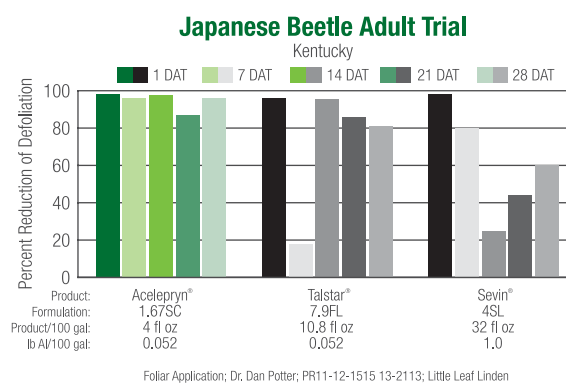
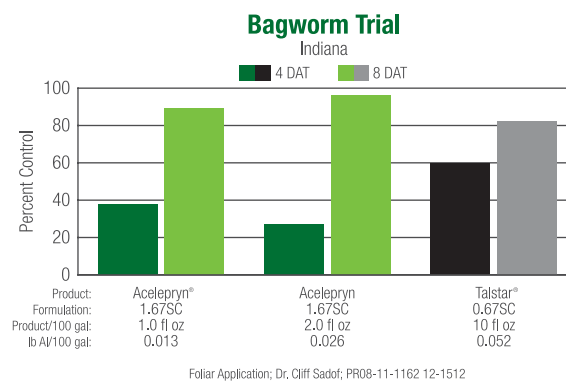
## Acelepryn<sup>®</sup> on Landscape Trees & Shrubs Technical Sheet

Acelepryn<sup>®</sup> insecticide provides season-long control of grubs, lepidopteran pests and other insects infesting turf and landscape ornamentals. Available on fertilizer or as a sprayable suspension concentrate, Acelepryn has a unique mode of action with low impact on beneficials. Additionally, Acelepryn does not cause mite flare-ups, a common issue when using pyrethroid insecticides or combination products containing pyrethroid insecticides. Acelepryn can be applied foliarly, as a soil drench and as a bark treatment depending on the pest being targeted.

### Foliar Application Usage Rates and Recommendations

Foliar application of Acelepryn results in long, residual, systemic control of major ornamental pests such as leaf-feeding caterpillars and lace bugs.

Target Pests	Product per 100 Gallons
<b>Leaf-feeding caterpillars</b> (such as bagworms, fall webworms, gypsy moth caterpillars and tussock moth caterpillars, including white marked tussock moth)	1.0 fl oz
	2.0 fl oz
<b>Lace bugs</b> (including rhododendron lace bug)	2.0 fl oz
	4.0 fl oz
	8.0 fl oz
<b>Japanese beetle adults</b>	16.0 fl oz
For maximum residual control of the pests listed above	



### Keeping the Balance of Pests in Check

With low impact on beneficial insects and non-targeted organisms, Acelepryn is ideal for treating trees and ornamental shrubs as part of your lawn care service offering. Additionally, studies have confirmed that Acelepryn usage on lawns is non-hazardous to bumble bees<sup>\*\*</sup>. Acelepryn was registered in 2010 by the U.S. EPA under its Reduced Risk Program<sup>\*</sup>.

<sup>\*</sup> A reduced risk pesticide is defined as one which may reasonably be expected to accomplish one or more of the following; (1) reduces pesticide risks to human health; (2) reduces pesticide risks to non-target organisms; (3) reduces the potential for contamination of valued, environmental resources, or (4) broadens adoption of IPM or makes it more effective. Acelepryn qualifies under one or more of the above criteria.

<sup>\*\*</sup> Larson, Jonathan L., Redmond, Carl T., Potter, Daniel A. "Assessing Insecticide Hazard to Bumble Bees Foraging on Flowering Weeds in Treated Lawns." *PLOS ONE* 6.8 (2013): n.pag. Web

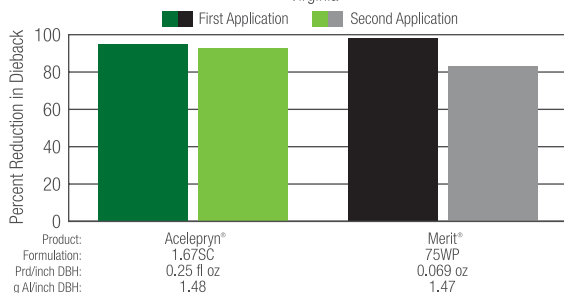
## Soil Drench Applications Usage Rates and Recommendations

As a soil drench application, Acelepryn combats birch leafminers, lacebugs and aphids. Use the product early to allow several months for plant uptake depending on plant size.

Target Pests	Product per diameter of the tree at breast height (DBH)
Lace bugs and aphids	0.0625 fl oz
	0.125 fl oz
	0.25 fl oz
Birch leafminer and hemlock wooly adelgid	0.25 fl oz

### Hemlock Wooly Adelgid

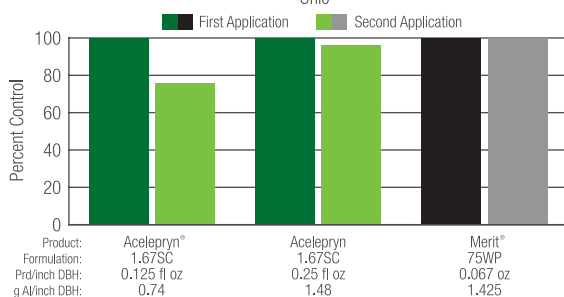
Virginia



Soil Drench Application; Dr. Scott Salom; PR09-12-2311 13-1513; 420 and 300 DAT

### Birch Leafminer Trial

Ohio



Soil Drench Application; Dr. David Nielsen; PR08-12-1527B 13-2216B; 292 & 108 DAT

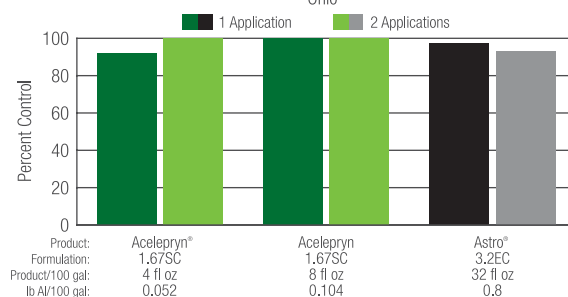
## Bark Application Usage Rates and Recommendations

Applying Acelepryn above the bark will ward off pests such as clearwing borers. Two applications are recommended for complete control.

Target Pests	Product per 100 Gallons
Clearwing borers (including banded ash clearwing borer, peachtree borer and rhododendron borer)	4.0 fl oz
	8.0 fl oz
	16.0 fl oz
For maximum residual control of <b>clearwing borers</b> , including peachtree borer	32.0 fl oz

### Peachtree Borer Trial

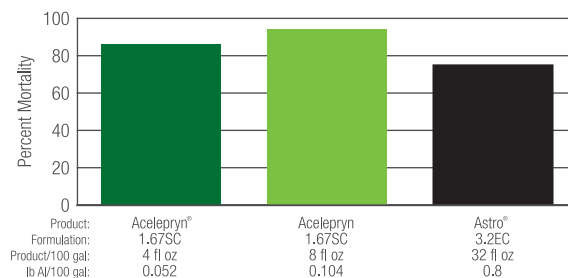
Ohio



Bark Application; Dr. David Nielsen; PR08-12-1326 13-1326; 323 & 133 DAT

### Clearwing Borer (Banded Ash)

Maryland



Bark Application; Dr. Paula Shrewsbury; PR06-12-3133; Evaluated 328 DAT



To learn more about Acelepryn, please visit [GreenCastOnline.com/Acelepryn](http://GreenCastOnline.com/Acelepryn) or call 1-866-SYNGENTA (796-4368).



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