

**Table 1.** Insecticide options for professionals and homeowners for controlling EAB that have been tested in multiple university trials. Some products may not be labeled for use in all states. Inclusion of a product in this table does not imply that it is endorsed by the authors or has been consistently effective for EAB control. See text of "Insecticide Options for Protecting Ash Trees From Emerald Ash Borer, 2014 2<sup>nd</sup> Edition" for more information and details.

<b>Insecticide Formulation</b>	<b>Active Ingredient</b>	<b>Application Method</b>	<b>Recommended Timing</b>
<i>Products Intended for Sale to Professional Applicators</i>			
Merit <sup>®</sup> (75WP, 75WSP, 2F)	Imidacloprid	Soil injection or drench	Early to mid- spring or mid-fall
Safari <sup>™</sup> (20 SG)	Dinotefuran	Soil injection or drench	Mid- to late spring
Transect <sup>™</sup> (70WSP)	Dinotefuran	Soil injection or drench	Mid- to late spring
Xylam <sup>®</sup> Liquid Systemic Insecticide	Dinotefuran	Soil injection or drench	Mid- to late spring
Xylect <sup>™</sup> (2F, 75WSP)	Imidacloprid	Soil injection or drench	Early to mid-spring or mid-fall
Azasol <sup>™</sup>	Azadiratin	Trunk injection	Mid- to late spring after trees have leafed out
Imicide <sup>®</sup>	Imidacloprid	Trunk injection	Mid- to late spring after trees have leafed out
TREE-äge <sup>™</sup>	Emamectin benzoate	Trunk injection	Mid- to late spring after trees have leafed out
ArborMectin <sup>™</sup>	Emamectin benzoate	Trunk injection	Mid- to late spring after trees have leafed out
TreeAzin <sup>®</sup>	Azadiractin	Trunk injection	Mid- to late spring after trees have leafed out
Safari <sup>™</sup> (20 SG)	Dinotefuran	Systemic bark spray	Mid- to late spring after trees have leafed out
Transect (70 WSP)	Dinotefuran	Systemic bark spray	Mid- to late spring after trees have leafed out
Zylam <sup>®</sup> Liquid Systemic Insecticide	Dinotefuran	Systemic bark spray	Mid- to late spring after trees have leafed out
Astro <sup>®</sup>	Permethrin		Two applications at 4-week intervals; first spray should occur at 450-550 degree days (50°F, Jan.1); coincides with black locust blooming
Onyx <sup>™</sup>	Bifenthrin	Preventive trunk, branch, and foliage cover sprays	
Tempo <sup>®</sup>	Cyfluthrin		
Sevin <sup>®</sup> SL	Carbaryl		
<i>Products Intended for Sale to Homeowners<sup>1</sup></i>			
Bayer Advanced <sup>™</sup> Tree & Shrub Insect	Imidacloprid	Soil drench	Early to-mid-spring
Optrol <sup>™</sup>	Imidacloprid	Soil drench	Early to mid-spring
Ortho Tree and Shrub Insect Control Ready to Use Granules	Dinotefuran	Granules	Mid- to late spring

<sup>1</sup>Additional imidacloprid and dinotefuran products intended for sale to homeowners may be available in your area.