

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. Some of the listed products failed to protect ash trees when they were applied at labeled rates. 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 for details regarding effectiveness.				Tree Size
Insecticide Formulation	Active Ingredient	Application Method (rate ai / in DBH)	Recommended Timing	Tree Circumference OR Trunk Diameter at 4.5 ft (DBH)
<i>Professional Use Products</i>				
Merit® (75WP, 75WSP, 2F)	Imidacloprid	Soil injection or drench (1.4 gm)	Spring (early April to mid-May)	Up to 60" (to 20" DBH)
Xytect™ (2F, 75WSP)	Imidacloprid	Soil injection or drench (1.4 gm)	Spring (early April to mid-May)	Up to 60" (to 20" DBH)
Merit® (75WP, 75WSP, 2F)	Imidacloprid	Soil injection or drench (2.8 gm)	Fall (October to November)	45 to 60" (15-20" DBH)
Xytect™ (2F, 75WSP)	Imidacloprid	Soil injection or drench (2.8 gm)	Fall (October to November)	45 to 60" (15-20" DBH)
Safari™ (20SG)	Dinotefuran	Soil injection or drench (1.5 gm)	Spring (early May to mid-June)	Up to 36" (to 12" DBH)
Safari™ (20 SG)	Dinotefuran	Systemic bark spray (1.5 gm)	Spring (early May to mid-June)	Up to 36" (to 12" DBH)
TREE-äge™	Emamectin Benzoate	Trunk injection (see lable)	Bud break to mid-June, is best for this year's beetles but may be applied through August	8" to 25"

Homeowner Products

Insecticide Formulation	Active Ingredient	Application Method (rate ai / in DBH)	Recommended Timing	Tree Circumference OR Trunk Diameter at 4.5 ft (DBH)
Bayer Advanced™ Tree & Shrub Insect Control, Ferti-lome Systemic Tree and Shrub drench, Gordon's Tree and Shrub Insect Killer, Green Light Tree and Shrub Insect Killer, or The Max Tree and Shrub Insect Killer Optrol	Imidacloprid	1 oz/inch circumference	Spring (early April to mid-May)	Up to 60" (to 20" DBH)
Optrol	Imidacloprid	2 oz/inch circumference	Fall (October to November)	45 to 60" (15-20" DBH)
Green Light Tree and Shrub insect control with Safari 2G	Dinotefuran	Granular insecticide (See label)	Spring (early May to mid-June)	Up to 36" (to 12" DBH)