

Professional Guide to Emerald Ash Borer Treatments

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Several insecticide products have worked well in our research tests for control of emerald ash borer (EAB). At this time treatments are needed **every year** in order to protect ash trees from EAB and they are recommended only in the quarantined area; it is not necessary to treat ash trees outside of this area. At this time the quarantined area includes all of Monroe, Wayne, Macomb, St.Clair, Lenawee, Washtenaw, Oakland, Lapeer, Hillsdale, Jackson, Livingston, Genesee, Ingham, Shiawassee, Saginaw, Branch, Calhoun, Eaton, Clinton and Gratiot counties. Tests have shown that we can protect healthy trees from emerald ash borer with insecticides, but we may not be able to save severely compromised trees. By the time you see dead branches, thinning of the canopy, and woodpecker activity, the tree is already severely damaged, and it may be too late to save it with insecticides. For most of the ash trees within an area defined by the following points; Downtown Detroit, Rockwood (near the mouth of the Detroit river), Milan (south of Ann Arbor), Ann Arbor, Brighton, Pontiac, and Sterling Heights, it is too late to save them unless they have already been treated in previous years.

The products listed below will protect trees from emerald ash borer if treatments begin when trees are still healthy. For more information on how well each of these products work, see reports of our research tests at emeraldashborer.info . At the website you will see a list of topics on the left side of your screen. Just click on *research* and the results from 5 different EAB insecticide tests by Michigan State University will pop-up.

Table 1. Products For Landscapers and Arborists to Use for Protecting Ash Trees From Attack by Emerald Ash Borer.

Active ingredient	Product name	Timing	Type of Application
Imidacloprid	Imicide (Mauget) Pointer (Wedgle) IMA-jet (Arborjet)	Late May to early July	Trunk injection (once per year)
Bidrin	Injectacide-B	Late May to early September	Trunk injection (once per year)
Imidacloprid	Merit	Mid to late April	High pressure soil injection (once)
Cyfluthrin	Tempo	Early June and again in late June	Trunk and foliage spray (twice)
Bifenthrin	Onyx	" "	Trunk spray (twice)
<i>Beauveria</i> fungus	BotaniGard	" "	Trunk and foliage Spray (twice)

Note: This information is for educational purposes only. Reference to commercial products or trade names does not imply endorsement by MSU Extension or bias against those not mentioned.