

Emerald Ash Borer Chemical Treatments

Type of Application	Chemical Brand Name	Individual single stem Tree Application Rate	Frequency of application	Best time of year to apply	Effectiveness	Relative Cost / tree	Restricted chemical
Soil Drench - Imidacloprid							
	• Bayer Advanced 12 Month Tree & Shrub Insect Control Concentrate	1/2 oz / inch of trunk circumference at 4.5' ht.	1 time / yr.	March thru July	1 year	LOW	NO
	• Bayer Advanced 12 Month Tree & Shrub Protect & Feed	1 oz / inch of trunk circumference at 4.5' ht.	1 time / yr.	March thru July	1 year	LOW	NO
	• Bonide Annual Tree and Shrub Control	1 oz / inch of trunk circumference at 4.5" ht.	1 time / yr.	March thru July	1 year	LOW	NO
	• ferti-lome Tree and Shrub Systemic Insect Drench	1 oz / inch of trunk circumference at 4.5" ht.	1 time / yr.	March thru July	1 year	LOW	NO
	• Ortho Bug B gone Year-Long Tree & Shrub Insect Control	1 oz / inch of trunk circumference at 4.5' ht.	1 time / yr.	March thru July	1 year	LOW	NO
	• Merit 2F	0.1 fl.oz. / in. dbh up to 15" dbh. Over 15" dbh 0.2fl.oz. / in. dbh	1 time / yr.	March thru July	1 year	LOW/MED	YES
	• Xytect 2F	0.1 to 0.4 fl oz / in. dbh up to 15" dbh. Over 15" 0.3 - 0.4 fl oz. / in. dbh	1 time / yr.	March thru July	1 year	LOW/MED	YES
	• Criterion 2F	0.1 to 0.2 fl oz / in. dbh	1 time / yr.	March thru July	1 year	LOW/MED	YES
	• Lesco Bandit 2F	0.1 to 0.2 fl oz/ in. dbh	1 time / yr.	March thru July	1 year	LOW/MED	YES
	• Prokoz Zenith 2F	0.1 to 0.2 fl oz/ in. dbh	1 time / yr.	March thru July	1 year	LOW/MED	YES
	• Merit 75WSP	1.6 os for 24-48" of tree diameter at 4.5' ht.	1 time / yr.	March thru July	1 year	LOW/MED	YES
	• Criterion 75WSP	1.6 os for 24-48" of tree diameter at 4.5' ht.	1 time / yr.	March thru July	1 year	LOW/MED	YES
	• Lesco Bandit 75WSP	1.6 os for 24-48" of tree diameter at 4.5' ht.	1 time / yr.	March thru July	1 year	LOW/MED	YES
	• Prokoz Zenith 75WSP	1.6 os for 24-48" of tree diameter at 4.5' ht.	1 time / yr.	March thru July	1 year	LOW/MED	YES
	• Merit 75WP	.7 tsp / inch dbh up to 15" dbh. Over 15' dbh 1.4 tsp / in dbh	1 time / yr.	March thru July	1 year	LOW/MED	YES
	• Xytect 75WSP	1.6 oz. / 12 to 15" dbh. 3.2 oz. for trees > 15" dbh.	1 time / yr.	March thru July	1 year	LOW/MED	YES
Soil Injection - Dinotefuran							
	• Safari	1.2 - 5tsp. / in. dbh for trees < 24" dbh. 2.5 to 5 tsp / in. dbh for trees > 24" dbh.	1 time / yr.	March - Aug	1 year	LOW/MED	YES
	• Zylam	0.2 to 0.8 fl.oz. / in. dbh for trees < 24" dbh and 0.4 to 0.8 fl. oz. / in. for trees > 24" dbh		March - Aug	1 year	LOW/MED	YES
Trunk Spray - Dinotefuran							
	• Safari	12 – 24 oz per gal. Depending on bark type and thickness, one gallon of spray solution will cover 40- 50" of trunk diam. at dbh.	1 time/yr.	March - Aug	1 year	MED	YES
	• Zylam	16 fl. oz. of Zylam Liquid Systemic Insecticide plus 1.0 fl. oz. of organosilicone surfactant to 1.0 gallon of water for up to 40" dbh	1time /y.r	March - Aug	1 year	MED	YES
Trunk injection - Imidacloprid							
	• IMA-Jet	4.0 – 8.0 mL / in. dbh.	1 time/ yr.	March - Aug	1 year	HIGH	YES
	• Imicide	2 ml / in. dbh up to 24" dbh. Over 24" dbh 4 ml./in. dbh	1 time/ yr.	March - Aug	1 year	HIGH	YES
	• Pointer	1 ml. / 4-6" trunk circumference	1 time / yr.	March - Aug	1 year	HIGH	YES
Trunk injection - Azadirachtin							
	• TreeAzin	5 to 12.5 ml. / in. dbh.	1 time / yr.	March - Aug	1 year	HIGH	YES
	• AzaSol	2-4 ml / in. dbh depending on dbh. (see label table)	1 time / yr.	March - Aug	1 year	HIGH	YES
Trunk injection - Emamectin benzoate							
	• Tree - Age	up to 15 ml/ in. dbh (see table on label)	1 time/ yr.	March - Aug	up to 2 years	HIGH	YES