

USE RECOMMENDATIONS FOR EMERALD ASH BORER (EAB)

WHY USE SAFARI® INSECTICIDE TO CONTROL EAB?

- Safari is much more water soluble than imidacloprid and less tightly bound to soil. This means that Safari is taken up more rapidly by ash trees than imidacloprid and in higher concentrations, which translates into faster control of EAB, especially when applied later in the summer.
- Safari can be applied after leaf out and provides same-season control of EAB. This allows evaluation of tree health before application. And, this advantage makes Safari an excellent choice for the first year of an EAB treatment program when the tree's health status is unknown until after leaf out.
- Safari is taken up more efficiently than imidacloprid by trees that are stressed due to dry soil, previous EAB infestation or other factors that reduce water uptake.
- Safari is active against EAB adults when they feed on foliage, and it is also active against small EAB larvae that feed under the bark. Larvae are the damaging life stage of EAB.
- Safari can be applied much more quickly and predictably than trunk injected products. This means lower labor costs.

WHEN SHOULD SAFARI BE APPLIED TO CONTROL EAB?

- Optimal application timing for Safari is from mid-leaf out until early summer. This is approximately mid-May through mid-July in most areas currently affected by EAB.

HOW TO APPLY SAFARI FOR EAB:

APPLICATION METHOD	APPLICATION INSTRUCTIONS
Soil Injection or Soil Drench	<p>Mix 2.5 oz of Safari per gallon of water*</p> <p>Application volume:</p> <ul style="list-style-type: none"> • If trunk diameter is less than 12 inches: Apply 1 pint of solution per inch of trunk diameter at breast height (indbh). This is equivalent to 3.2 oz Safari per 10 indbh. • If trunk diameter is 12 - 20 inches** or the tree exhibits symptoms of EAB infestation: Apply 1.5 pints solution per indbh. This is equivalent to 4.2 oz of Safari per 10 indbh. <p>Soil Drench: Pull back any mulch and pour drench solution on soil at base of trunk. Apply evenly around trunk within 24 inches from trunk.</p> <p>Soil Injection: Make one soil injection per inch of trunk diameter. Inject solution in root mat just below the soil surface. Locate injections evenly around trunk within 24 inches from trunk.</p>
Basal Trunk Spray	<p>Mix 18 oz of Safari per gallon of water.</p> <p>Evenly spray solution to the bark on the lower five feet of trunk. Apply just to point of runoff. This will be approximately 1.5 - 2.0 oz of solution per inch of trunk diameter.</p> <ul style="list-style-type: none"> • Operate sprayer at less than 20 PSI to minimize spray drift and bounce back of droplets.

* Adjust mix rate if using a different application volume than recommended in this bulletin.

** Safari has demonstrated efficacy against EAB in ash trees up to 23" dbh but has not been evaluated in larger diameter ash. Safari is recommended for treatment of ash up to 20" dbh that have less than 20% visible canopy thinning that is due to EAB injury.

Image Source: Pennsylvania Department of Conservation and Natural Resources - Forestry Archive, Bugwood.org