

# FIFRA Section 2(ee) Recommendation



THIS RECOMMENDATION IS ONLY FOR THE STATES OF CONNECTICUT, DELAWARE, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NORTH CAROLINA, PENNSYLVANIA, RHODE ISLAND, TENNESSEE, VERMONT, VIRGINIA, AND WEST VIRGINIA

## Safari® 20 SG INSECTICIDE

EPA Reg. No. 86203-11-59639

This FIFRA section 2(ee) recommendation expires on December 31, 2023.

### TO CONTROL SPOTTED LANTERNFLY (*Lycorma delicatula*)

### DIRECTIONS FOR USE

It is a violation of Federal law to use these products in a manner inconsistent with its labeling.

This recommendation is made as permitted under FIFRA Section 2(ee) and has not been submitted to or approved by the EPA. This 2(ee) recommendation contains directions for use which do not appear on the package label and must be in the possession of the user at the time of pesticide application. Follow all applicable directions, restrictions and precautions on the EPA registered label when using Safari® 20 SG Insecticide. Always read and follow all label directions when using any pesticide.

#### TO CONTROL SPOTTED LANTERNFLY (*Lycorma delicatula*)

Containerized and field grown (in-ground) ornamental plants in nurseries, outdoor landscapes, tree plantations and reforestation nurseries.

Forests and wooded areas: National, Private and State.

Application Rates	Special Instructions
<p><b>Foliar Spray</b> 1/4 to 1/2 lb per 100 gallons (4 to 8 oz per 100 gallons)</p> <p>8-16 oz per Acre (0.1 to 0.2 lb ai/A) 0.2-0.4 oz per 1,000 sq ft</p> <p>For treatment of small areas: 1/2-1.0 tsp per gallon</p>	<p>Make first application just before pest populations reach an economic threshold. If necessary, make a second application after 14-21 days.</p> <p>100 gallons of spray mix will treat 20,000 sq ft of area when using a typical high volume sprayer. If using a low volume sprayer, adjust concentration to apply the same amount of product per unit area.</p>

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<b>Application Rates</b>		<b>Special Instructions</b>
<p><b>Soil Media Drench</b> Containerized Plants</p> <p>3/4 to 1-1/2 lb per 100 gallons 12 to 24 lb per 100 gallons 1.5-3.0 tsp per gallon</p>		<p>Only apply to moist soil media. Do not apply to dry or saturated media.</p> <p>Do not apply media drench until roots from transplanted plugs or liners have extended at least half way to the edge of pots.</p> <p>Do not leach treated soil media for at least 7 days after application or performance may be reduced.</p> <p>Heavy rainfall or excessive irrigation following application may decrease performance.</p>
Pot diameter (inches)	fl oz of dilute solution per pot	
4	2	
5	3	
6	4	
7	5	
8	6	
<p>For larger pot volumes apply 3-4 fl oz of dilute solution (0.11 to 0.22 g product per 4 fl oz water) per gallon of potting media. Use a drench volume that is sufficient to wet soil media without resulting in overflow or runoff through drain holes in pot</p>		
<p><b>Containerized Plants</b> <b>Media Drench Volume for Plants in Raised Beds, Benches, Bedding Flats, Plug and Liner Trays:</b> Apply sufficient dilute solution to wet soil media without loss of liquid from bottom of bed or liner.</p>		

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Application Rates	Special Instructions
<p align="center"><b>Soil Drench</b>  <b>Field Grown (In-Ground) Shrubs</b></p> <p align="center">3-6 grams                      (1.25-2.5 level teaspoons)                      per foot of height                      1.0-2.1 ounces per 10 feet of height</p>	<p>When applied to the soil, <i>Safari 20 SG</i> Insecticide is taken up by actively growing trees and shrubs. Speed of control will be dependent on plant size, plant health, environmental conditions and how actively pests are feeding. In actively growing plants, control may be evident within 1-3 weeks after application depending on plant size. Time applications to coincide with when most vulnerable pest life stage is present on plants. Control may be less effective when applied to dry, saturated, or frozen soil, or at times when plants are not actively taking up water from soil.</p> <p>If possible, irrigate dry soils 1-3 days before application, or apply irrigation within 3 days after application.</p> <p>Heavy rainfall or inadequate irrigation immediately following application may decrease performance.</p> <p>Use higher labeled rates for broadleaf evergreens with dense foliage (ex. hollies), and with very large trees.</p> <p>Soil Drench: Mix required dose in water and uniformly apply to soil around base of shrub or tree. Pull back mulch before drenching. Apply 1-4 pints of drench solution per foot of height (shrubs) or inch of trunk diameter (trees). Adjust drench volume based on soil type, soil moisture and thickness of mulch so that product is moved into root zone. To enhance soil penetration in heavy soils and sloping terrain, dig shallow holes around tree or shrub, and apply drench solution in holes. Lower drench volumes may be less effective in dry soils or when applied over heavy mulch unless there is adequate rainfall or irrigation after application to move product into root zone.</p>

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<b>Application Rates</b>	<b>Special Instructions</b>
<p><b>Field Grown (In-Ground) Trees (Less than 24" diameter at breast height)</b>                      3-12 grams (1.25-5.0 level teaspoons) per inch of trunk diameter at breast height (DBH)                      1.05-4.2 ounces per 10 inches of trunk diameter at breast height (DBH)                      For multi-stem trees, base rate on cumulative inches of diameter of all stems at breast height.</p>	<p>Soil Injection: Mix required dose in water and make at least four injections per shrub or tree with a low pressure applicator. Use same amount of solution per hole. Injections can be made using the following methods:</p> <p>Grid System – Space injections on a 2.5 ft center extending to drip line.</p> <p>Circle System – Make injections in concentric circles extending inward from drip line.</p>
<p><b>Field Grown (In-Ground) Trees (24" diameter or greater at breast height)</b></p> <p>6-12 grams (2.5-5.0 level teaspoons) per inch of trunk diameter at breast height (DBH)                      2.1-4.2 ounces per 10 inches of trunk diameter at breast height (DBH)                      For multi-stem trees, base rate on cumulative inches of diameter of all stems at breast height.</p>	<p>Basal System – Space injections evenly around trunk no more than 24" out from the base.</p> <p><i>Safari 20 SG</i> Insecticide may be soil injected with low volume (e.g. Kioritz injector) or high volume injection equipment. Inject 1-32 fl oz of dilute solution per foot of height or inch of trunk diameter depending on application equipment. Make shallow injections where feeder roots</p>
<p><b>Basal Trunk Sprays in Trees and Large Shrubs</b></p> <p align="center">12-24 oz per gallon</p> <p>Depending on bark type and thickness, one gallon of spray solution will typically cover 65-85 inches of cumulative trunk diameter (1.5-2.0 fl oz per inch of trunk diameter) when applied to trunk between soil surface and 4-5 feet above soil surface.</p>	<p>When sprayed on the trunk, <i>Safari 20 SG</i> Insecticide will be absorbed through the bark and into the vascular system, and then transported throughout the tree. Speed of control will be dependent on tree size, tree health, environmental conditions and how actively pests are feeding. In actively transpiring trees, control may be evident within 1-3 weeks after application.</p> <p>Spray bark on root flare (buttress roots) and on trunk between soil surface and 4-5 feet above the soil surface.</p> <p>Adjust nozzle to uniformly distribute spray over the entire circumference of the tree trunk and buttress roots. Wet bark just to the point of saturation and run off onto soil.</p> <p>Apply ONLY with a low volume sprayer operated at less than 20 PSI to prevent tree damage, bounce back and drift of spray droplets. Time applications to coincide with when most vulnerable pest life stage is present on plants.</p> <p>Do not apply to wet bark, during rainfall or if rain is expected within 12 hours.</p> <p>Control may be less effective in trees with thick bark, and at times when trees are not actively growing or transpiring.</p>

## **RESTRICTIONS**

- Do not apply more than 2.7 lb (0.54 lb ai) of *Safari 20 SG* Insecticide per acre of nursery, forest or landscape per year.
- To delay the development of resistance: Do not apply *Safari 20 SG* Insecticide or other Group 4A insecticides to consecutive generations of the same insect species without switching to a different mode of action. Do not make more than two sprays of *Safari 20 SG* Insecticide or other Group 4A insecticides to a single crop. Refer to “Resistance Management” section of label for further guidelines

**Please contact Valent U.S.A. LLC at 800-6-VALENT (682-5368) to determine if this product is registered in your state.**

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Made in U.S.A.