

Supplemental Label



Safari® 20 SG INSECTICIDE

EPA Reg. No. 33657-16-59639
(Except California and New York)

SAFARI® 20 SG INSECTICIDE FOR UPDATED ORNAMENTAL PLANT APPLICATIONS AND TRUNK SPRAY IN TREES AND LARGE SHRUBS

DIRECTIONS FOR USE

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

READ ENTIRE LABEL, USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

ORNAMENTAL PLANTS – Foliar and Broadcast Spray Application

For foliar insect control on ornamental plants in nurseries, greenhouses, interior plantscapes, lath and shadehouses, and outdoor landscapes (commercial, industrial, recreational and residential).

Crops	Pests Product	Rates	Remarks
Ornamental Plants including: Bedding Plants Evergreens Flowering Plants Foliage Plants Ground Covers Non-Bearing Fruit Trees Non-Bearing Nut Trees Non-Bearing Vines Ornamental Trees Shrubs Not for use on house plants grown inside private residences.	Lacebugs including: Hawthorne Leaf Beetles Viburnum Leafhoppers Potato Root Weevils (adult) including: Black Vine Diaprepes Whiteflies including: Fig (Ficus) For list of more pests controlled and suppressed see container label.	For use rates see container label	100 gals 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. See container label for further remarks applying <i>Safari</i> 20 SG foliar and broadcast spray applications on ornamental plants.

PESTS CONTROLLED BY SAFARI 20 SG WHEN APPLIED TO THE SOIL

<p>Adelgids including Hemlock Woolly</p> <p>Aphids including: Crepe Myrtle Green Peach Melon</p> <p>Bagworms</p> <p>Flatheaded Borers including: Emerald Ash Flatheaded Appletree</p> <p>Fungus Gnats (larvae)</p> <p>Lacebugs including: Azalea Hawthorne</p> <p>Leaf Beetles Viburnum</p> <p>Leafhoppers including: Glassy-winged Sharpshooter Potato</p> <p>Leafminers including: Boxwood Serpentine</p> <p>Mealybugs including: Citrus Longtailed Madeira Obscure Pink Hibiscus Root</p> <p>Psyllids including: Asian Citrus</p> <p>Root Weevils (larvae and adults) including: Black Vine Diaprepes</p>	<p>Roundheaded Borers (excluding Asian Longhorned)</p> <p>Scales (Armored and Soft) including: Calico Cottony Cushion Cottony Maple Cryptomeria Cycad Aulacaspis Duplacionaspis Elongate Hemlock Euonymus False Oleander Fig Wax Fletcher Florida Red Florida Wax Lecanium Oystershell Poplar (Aspen) Pine Needle Tea Tuliptree</p> <p>Thrips including: Chilli (suppression) Gynaikothrips uzeli (suppression) Western Flower (suppression)</p> <p>Whiteflies including: Fig (Ficus) Giant Greenhouse Silverleaf/Sweetpotato (B and Q biotypes)</p> <p>White Grubs including: Oriental Beetle</p>

ORNAMENTAL PLANTS – For Soil Application to Field Grown (In-Ground) Plants

For systemic insect control on field grown (in-ground) ornamental plants in nurseries, greenhouses, interior plantscapes, lath and shadehouses, and outdoor landscapes (commercial, industrial, recreational and residential) when applied via soil drench, soil injection, micro-irrigation (spaghetti tube or emitter), drip irrigation, overhead irrigation, ebb and flood irrigation equipment or motorized irrigation equipment.

For list of pests controlled with a soil application, see pest table on this label: "Pests Controlled By *Safari* 20 SG When Applied to the Soil"

Crops	Product Rates	Remarks
Ornamental Plants including: Bedding Plants Evergreens Flowering Plants Foliage Plants Ground Covers Non-Bearing Fruit Trees Non-Bearing Nut Trees Non-Bearing Vines Ornamental Trees Shrubs	For use rates see container label.	<p>When applied to the soil, <i>Safari</i> 20 SG is taken up by actively growing trees and shrubs. Speed of control will be dependent on tree size, tree health, environmental conditions and how actively pests are feeding. In actively growing and transpiring plants, control may be evident within one week after application in small shrubs, and within three weeks after application in large trees. For optimal control, time soil applications so that <i>Safari</i> 20 SG has had time to move to insect feeding sites by time target life stage is present.</p> <p>Apply to moist soil. 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>Use higher labeled rates for broadleaf evergreens with dense foliage (ex. hollies), and with very large trees.</p> <p>See container label for more remarks.</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. For optimal performance, 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> <p>See container label for more remarks.</p>

continued

ORNAMENTAL PLANTS - For Soil Application to Field Grown (In-Ground) Plants (continued)

For systemic insect control on containerized and field grown (in-ground) ornamental plants in nurseries, greenhouses, interior plantscapes, lath and shadehouses, and outdoor landscapes (commercial, industrial, recreational and residential) when applied via soil drench, soil injection, micro-irrigation (spaghetti tube or emitter), drip irrigation, overhead irrigation, ebb and flood irrigation equipment or motorized irrigation equipment.

For list of pests controlled with a soil application, see pest table on this label: "Pests Controlled By *Safari* 20 SG When Applied to the Soil"

Crops Product	Rates	Remarks
Ornamental Plants including: Bedding Plants Evergreens Flowering Plants Foliage Plants Ground Covers Non-Bearing Fruit Trees Non-Bearing Nut Trees Non-Bearing Vines Ornamental Trees Shrubs	Small Trees (Less than 24" diameter at breast height) 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.	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: Grid System: Space injections on a 2.5 ft center extending to drip line. Circle System: Make injections in concentric circles extending inward from drip line.
	Large Trees (24" diameter or greater at breast height) 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.	Basal System: Space injections evenly around trunk no more than 24" out from the base. <i>Safari</i> 20 SG may be soil injected with low volume (e.g. Kioritz injector) or high volume injection equipment. For optimal performance, 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 are most concentrated. See container label for more remarks.
	Broadcast spray to soil of plant beds 2.7 lbs per acre	Apply over the top of ornamental plant beds in a water volume sufficient to move product to soil surface. If necessary, irrigate after application to move product off of foliage and into upper root zone of soil. May be less effective on large woody shrubs than on herbaceous annuals and perennials

continued

Trunk Sprays in Trees and Large Shrubs

For systemic insect control in containerized and field grown (in-ground) ornamental trees and shrubs in nurseries, interior plantscapes, lath and shadehouses and outdoor landscapes (commercial, industrial, recreational and residential) when applied as a trunk spray.

Crops	Pests Product	Rates	Remarks
Non-Bearing Fruit Trees Non-Bearing Nut Trees Ornamental Trees Shrubs	Adelgids including: Hemlock Woolly Flatheaded Borers including: Emerald Ash Borer Flatheaded Appletree Roundheaded Borers (excluding Asian Longhorned) Scales including: Calico Whiteflies including: Ficus	12 - 24 oz/gal Depending on bark type and thickness, one gallon of spray solution will cover 40 - 50" of trunk diameter when measured at 4.5 feet above ground.	<p>When sprayed on the trunk, <i>Safari</i> 20 SG 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 - 4 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. 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 with a low volume sprayer operated at 10 - 20 PSI to prevent tree damage, bounce back and drift.</p> <p>For optimal control, apply to actively growing trees, and time application so that <i>Safari</i> 20 SG has had time to move to insect feeding sites at when target life stage is present.</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>

1 level teaspoon contains 2.4 grams, and 1 cup (8 fl oz) contains 4.0 oz of *Safari* 20 SG

Do not apply more than 2.7 lbs (0.54 lbs ai) per acre of nursery or landscape per year.

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. PLEASE REFER TO CONTAINER LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS. FOLLOW ALL APPLICATION DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE EPA REGISTERED LABEL.

PLEASE CONTACT VALENT U.S.A. CORPORATION AT 800-89-VALENT (898-2536) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.

Copyright© 2009 by Valent U.S.A. Corporation

Safari and *Products That Work, From People Who Care* are registered trademarks of Valent U.S.A. Corporation.

Manufactured for
Valent U.S.A. Corporation
P. O. Box 8025
Walnut Creek, CA 94596-8025
www.valent.com

Made in U.S.A.

Form: 2009-SAF-0010R1

Products That Work, From People Who Care® | www.valentpro.com | 800-89-VALENT (898-2536)