



Tengard® Product Guide

Foliar Spray Application



Do-it-Yourself:

Tengard® can be easily applied as a foliar spray.



Product Category: Insecticide

Active Ingredient: Permethrin 36.8%

Item #: 222

Unit Size: 1.25 gallons

Unit Makes: 100-500 gallons

Product Overview:

Tengard® is a broad-spectrum insecticide that will effectively provide contact and residual control of insects in lawns, ornamentals, shrubs and trees. Its active ingredient, permethrin, is a commonly used insecticide with low toxicity for people and animals while providing pest control. Tengard® offers fast acting control and does not cause leaf phytotoxicity when applied as directed.

How do I apply it?

Dilute Tengard® in water and apply as a foliar spray or trunk and limb spray using hand or power-operated application equipment (such as a portable pump-up or backpack sprayer).

When do I apply it?

Applications can be made as insects become visible or are present.

For protocols, product guides, training videos and technical support: Call 1-888-637-6694 or visit us online: www.thetreegeek.com

Tengard® Rate Card

Application Rate:

How much product do I need?

It is important to apply the proper dose to the plant you are treating. Gather the following information to determine the accurate amount of product needed:

1. Determine the type of plant and insect to be treated and verify any application specifications on the product label.

For Foliar Spray:

2a. Tengard® is applied as a spray-to-drip application, ensuring the foliage and canopy is thoroughly covered. Determine the quantity and average size of trees you are planning to treat and use the chart below to ensure you have enough product mixed. These are only rough guidelines but can be quite useful for planning your treatments.

Tree Size (DBH)	Gallons per Tree
1"	.5
5"	2 - 4
20"	7 - 13
30"	15 - 20
50"	25 - 30

For Trunk and Limb Spray:

2b. Apply to the entire trunk at least 1/2 way into the live canopy on pines. Apply to trunk and main scaffolding branches on other tree species.

3. Use the rate chart to determine the total dosage for the plant to be treated.

Note: Under high pest pressure, use the highest rate and the shortest interval for repeat applications. Under low pest pressure, the application interval may be extended.

Pests Controlled:	Low Rate	High Rate	Water
Foliar Spray			
Ants, aphids, bagworm, beet armyworm, birch leafminer, cabbage looper, cankerworms, citrus thrips, coneworms, fungus gnat, gypsy moth caterpillars, heliothis spp., Japanese beetles, lace bug, leaf feeding caterpillars, leafhoppers, leafminers, leafrollers, lygus bugs, mealybugs, Nantucket pine tip moth, pine sawflies, plant bugs, root weevils, seed bugs, tent caterpillars, webworms, whiteflies, zimmerman pine moth	1.18mL 4 fluid ounces	2.36mL 8 fluid ounces	1 gallon 100 gallons
Trunk and Limb Spray			
Clearwing Moth Borers: Ash borer, banded ash clearwing, dogwood borer, lesser peachtree borer, lilac borer, oak borer, oak borer, peachtree borer, rhododendron borer	9.46mL 32 fluid ounces	18.9mL 64 fluid ounces	1 gallon 100 gallons
Bark Beetles: Elm bark beetles, mountain pine beetle, pine engravers, turpentine beetles, western pine beetle	18.9mL 64 fluid ounces	47.3mL 160 fluid ounces	1 gallon 100 gallons
Coleopteran Borers: Bronze birch borer, flatheaded appletree borer	18.9mL 64 fluid ounces	47.3mL 160 fluid ounces	1 gallon 100 gallons

Tree Geek's mission is to encourage Do-it-Yourselfers who want to care for the health of their trees. We provide:

- Easy-to-use treatments
- Proven results
- Research based science
- Affordable solutions

