

Trees and Shrubs: Bark Banding Rates for Landscape Ornamentals – To prepare less than 1 gal of mixed solution (based on 1 gallon of mixed solution covering 85 inches DBH).			
Trunk DBH	Low Rate	Medium Rate	High Rate
1 inch DBH	0.25 fl.oz. Zylam Liquid Systemic Insecticide + 0.01 fl.oz. organosilicone surfactant + 1.24 fl.oz. water	0.4 fl.oz. Zylam Liquid Systemic Insecticide + 0.01 fl.oz. organosilicone surfactant + 1.1 fl.oz. water	0.51 fl.oz. Zylam Liquid Systemic Insecticide + 0.01 fl.oz. organosilicone surfactant + 0.99 fl.oz. water
2 inch DBH	0.51 fl.oz. Zylam Liquid Systemic Insecticide + 0.02 fl.oz. organosilicone surfactant + 2.48 fl.oz. water	0.8 fl.oz. Zylam Liquid Systemic Insecticide + 0.02 fl.oz. organosilicone surfactant + 2.2 fl.oz. water	1.02 fl.oz. Zylam Liquid Systemic Insecticide + 0.02 fl.oz. organosilicone surfactant + 1.97 fl.oz. water
4 inch DBH	1.02 fl.oz. Zylam Liquid Systemic Insecticide + 0.05 fl.oz. organosilicone surfactant + 4.96 fl.oz. water	1.5 fl.oz. Zylam Liquid Systemic Insecticide + 0.05 fl.oz. organosilicone surfactant + 4.5 fl.oz. water	2.03 fl.oz. Zylam Liquid Systemic Insecticide + 0.05 fl.oz. organosilicone surfactant + 3.94 fl.oz. water
6 inch DBH	1.52 fl.oz. Zylam Liquid Systemic Insecticide + 0.07 fl.oz. organosilicone surfactant + 7.4 fl.oz. water	2.3 fl.oz. Zylam Liquid Systemic Insecticide + 0.07 fl.oz. organosilicone surfactant + 6.7 fl.oz. water	3.05 fl.oz. Zylam Liquid Systemic Insecticide + 0.07 fl.oz. organosilicone surfactant + 5.92 fl.oz. water
8 inch DBH	2.03 fl.oz. Zylam Liquid Systemic Insecticide + 0.09 fl.oz. organosilicone surfactant + 9.9 fl.oz. water	3.0 fl.oz. Zylam Liquid Systemic Insecticide + 0.09 fl.oz. organosilicone surfactant + 8.9 fl.oz. water	4.07 fl.oz. Zylam Liquid Systemic Insecticide + 0.09 fl.oz. organosilicone surfactant + 7.89 fl.oz. water
10 inch DBH	2.54 fl.oz. Zylam Liquid Systemic Insecticide + 0.12 fl.oz. organosilicone surfactant + 12.4 fl.oz. water	3.8 fl.oz. Zylam Liquid Systemic Insecticide + 0.12 fl.oz. organosilicone surfactant + 11.1 fl.oz. water	5.08 fl.oz. Zylam Liquid Systemic Insecticide + 0.12 fl.oz. organosilicone surfactant + 9.86 fl.oz. water

8. Foliar Applications to Landscape Ornamental Plants

For insect control on landscape ornamental plants in commercial, industrial and residential areas, parks, golf courses, athletic fields, and schools.



Product Rate: 7.25 fl.oz. to 16 fl.oz. per 100 gallons of water. Apply in sufficient water to ensure thorough coverage of target area. Use a minimum of 50 gallons finished spray per acre. Use a minimum of 1 gallon of finished spray per 1000 sq.ft. Start treatment prior to buildup of high pest populations. Foliar Spray: 100 gal of mixed spray solution will treat 20,000 sq.ft. of area.

Ornamental plants including:

Shrubs, Ornamentals, Flowering Plants, Foliage Plants, Groundcovers, Evergreens, Ornamental Trees, Non-Bearing Fruit Trees, Non-Bearing Nut Trees, Non-Bearing Vines

Pests

- Adelgids including Hemlock Woolly, Balsam Woolly
- Aphids (suppression)
- Japanese beetles (adults)
- Lacebugs including Azalea, Cotoneaster, Hawthorne, Rhododendron
- Leaf beetles including Viburnum
- Leafhoppers including Glassy Winged Sharpshooter, Potato
- Leafminers including Serpentine
- Mealybugs including Citrus, Long-Tailed, Madeira, Obscure, Phormium, Pink Hibiscus
- Psyllids including Asian Citrus
- Root Weevils (adults) including Black Vine, Diaprepes
- Sawfly larvae
- Scale (Armored and Soft) including Cypotomeria, Cycad Aulacaspis, Elongate, Hemlock, Euonymus, Florida Red, Florida Wax, Tea
- Thrips including Chilli, Gynaikothrips uzeli, Western Flower (suppression)
- Whiteflies including Giant, Greenhouse, Silverleaf / Sweet potato (B and Q biotypes)

Restrictions:

- Do not apply more than a total of 78.9 fl.oz. of Zylam Liquid Systemic Insecticide [0.54 lb ai] per acre per season as foliar sprays.

9. Application to Turfgrasses

For insect control on outdoor residential, recreational and commercial turfgrass in home lawns, commercial lawns, multi-family residential and apartment complexes, grounds or lawns around business and office complexes, shopping centers, airports, military and other institutions, cemeteries, golf courses, playgrounds, parks, athletic fields and sod farms.

Target timing of Zylam Liquid Systemic Insecticide applications at or just prior to or during egg laying of the target pests. The need for an application can be based on historical and/or physical monitoring of the site, current season adult trapping, previous experience or other methods. Optimum control will be achieved when applications are made at first appearance or just prior to or at egg hatch of the target pests followed by sufficient irrigation or rainfall to move the active ingredient through the turf thatch layer. Consult your State Extension Service for information regarding specific application timing.

Zylam Liquid Systemic Insecticide Foliar Application Guide for Trees and Shrubs	
Rate	Dilute Solution Required
7.25 to 16.0 fl.oz. per 100 gallons of water	Apply in sufficient water to ensure coverage of target area. 100 gallons of spray mix will treat 20,000 sq.ft. of area.

Table 1. Application rates for residential, recreational, and commercial turfgrass			
Application Rate	Restriction	Pest	Remarks
4.9 pt (79 fl.oz.) per acre 1.8 fl.oz. per 1000 sq.ft. [0.54 lb a.i. per acre]	Do not apply more than a total of 4.9 pt (79 fl.oz.) per acre (1.8 fl.oz. per 1000 sq.ft.) [0.54 lb a.i. per acre] of Zylam Liquid Systemic Insecticide per acre of turf per year.	Annual bluegrass weevil Billbug	For optimum control of annual bluegrass weevil and billbugs, make application prior to or during egg hatch of the target pest or apply at first appearance of young larvae.
		Ants (not including fireants)	Apply at first appearance of ants that are actively foraging.
		Chinchbug	For control of chinchbugs, make application prior to hatching of the first sign of instar nymphs or when turf damage first appears.
		Cranefly, European	Spring applications as a curative control when larvae are mature but prior to pupation generally March and April. Fall applications apply soon after egg hatch.
		Mole cricket Southern mole cricket Tawny mole cricket	Make application prior to or during the peak egg hatch period. When adults or large nymphs are present and actively tunneling, tank mix with a curative insecticide
		White grub larvae (suppression) Asiatic garden beetle Black Turfgrass ataenius European chafer Green June beetle Japanese beetle May/June beetle Northern masked chafer Oriental beetle Southern masked chafer	For optimum control of grubs, make application prior to or during egg hatch of the target pest.
		Armyworm Cutworms Sod webworm	Apply at first appearance while pests are small.
		Important Notes: <ul style="list-style-type: none"> • Apply in sufficient water to ensure thorough coverage of target area. Use a minimum of 50 gallons finished spray per acre. • Consult your local State Extension Service or State Extension Turfgrass Specialists for more specific information on timing of insecticide applications. • For optimal absorption, translaminar movement, and control, avoid applications immediately before rainfall or irrigation. For best results, do not irrigate or water for 24 hours after application. If rainfall does not occur in 48 hours after application, irrigate with sufficient water to ensure movement of the active ingredient through the thatch and into the root zone. 	

Restrictions:

- Do not apply when the target site is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist.
- Make only one application per year.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Protect from direct sunlight. Store in cool, dark, and well-ventilated area. Keep container tightly closed.

PESTICIDE DISPOSAL: Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

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