

**24(c) Special Local Need Labeling****NY-120020****Expiration Date: 12/31/2022**ACCEPTED  
FOR REGISTRATION

December 3, 2018

Classified for  
"RESTRICTED USE"  
in New York State  
under 6NYCRR Part 326**EPA Reg. No. 2217-937****Group 4A Insecticide**New York State Department  
of Environmental Conservation  
Division of Materials Management  
Pesticide Product Registration**FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF NEW YORK****Bark Banding for Control of Hemlock Woolly Adelgid on Eastern and Carolina Hemlocks Only, and Spotted Lanternfly on Tree of Heaven Only****IMPORTANT NOTICE:** This bulletin contains new or supplemental instructions for use of Zylam Liquid Systemic Insecticide, which may not appear on container labels. Follow all applicable directions, restrictions, and precautions on the EPA-registered label. This labeling must be in the possession of the user at the time of pesticide application.**DIRECTIONS FOR USE**

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

**Bark Banding Applications to Landscape Ornamental Plants**

For systemic insect control on landscape trees and shrubs in commercial, industrial and residential areas, parks, golf courses, athletic fields, and schools, when applied as a trunk spray.

**Product Rate:** Add 21.6 to 43.2 fl.oz. of Zylam® Liquid Systemic Insecticide [ 0.15 to 0.3 lb ai] plus 1.0 fl.oz. of 100% organosilicone surfactant to enough water to make 1 gallon of mixed solution. 1 gallon of mixed solution treats 65 to 85 inches of tree diameter when measuring diameter at breast height (DBH).

When sprayed on the trunk, Zylam Liquid Systemic 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.

Spray bark on root flare (buttress roots) and on trunk between soil surface and 4 to 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.

Apply with a low volume sprayer operated at 10 to 20 PSI to prevent tree damage, bounce back and drift.

For optimal control, apply to actively growing trees and time application so that Zylam Liquid Systemic Insecticide has had time to move to insect feeding sites when target life stage is present.

Control may be less effective in trees with thick bark, and at times when trees are not actively growing or transpiring.

**Ornamental plants:** Eastern Hemlock, Carolina Hemlock, Tree of Heaven

**Pests:** Hemlock Woolly Adelgid, Spotted Lanternfly

**Restrictions:**

- Do not apply to wet bark, during rainfall or if rain is expected within 12 hours.
- Do not apply more than 79 fl.oz. of Zylam Liquid Systemic Insecticide [0.54 lb ai] per acre per year.
- Do not make more than one application per year.

<b>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).</b>			
<b>Trunk DBH</b>	<b>Low Rate</b>	<b>Medium Rate</b>	<b>High Rate</b>
1 inch DBH	0.25 fl.oz. this product + 0.01 fl.oz. organosilicone surfactant + 1.24 fl.oz water	0.4 fl.oz. this product + 0.01 fl.oz. organosilicone surfactant + 1.1 fl.oz water	0.51 fl.oz. this product + 0.01 fl.oz. organosilicone surfactant + 0.99 fl.oz water
2 inch DBH	0.51 fl.oz. this product + 0.02 fl.oz. organosilicone surfactant + 2.48 fl.oz. water	0.8 fl.oz. this product + 0.02 fl.oz. organosilicone surfactant + 2.2 fl.oz. water	1.02 fl.oz. this product + 0.02 fl.oz. organosilicone surfactant + 1.97 fl.oz. water
4 inch DBH	1.02 fl.oz. this product + 0.05 fl.oz. organosilicone surfactant + 4.96 fl.oz. water	1.5 fl.oz. this product + 0.05 fl.oz. organosilicone surfactant + 4.5 fl.oz. water	2.03 fl.oz. this product + 0.05 fl.oz. organosilicone surfactant + 3.94 fl.oz. water
6 inch DBH	1.52 fl.oz this product + 0.07 fl.oz. organosilicone surfactant + 7.4 fl.oz. water	2.3 fl.oz. this product + 0.07 fl.oz. organosilicone surfactant + 6.7 fl.oz. water	3.05 fl.oz. this product + 0.07 fl.oz. organosilicone surfactant + 5.92 fl.oz. water
8 inch DBH	2.03 fl.oz. this product + 0.09 fl.oz. organosilicone surfactant + 9.9 fl.oz. water	3.0 fl.oz. this product + 0.09 fl.oz. organosilicone surfactant + 8.9 fl.oz. water	4.07 fl.oz. this product + 0.09 fl.oz. organosilicone surfactant + 7.89 fl.oz. water
10 inch DBH	2.54 fl.oz. this product + 0.12 fl.oz. organosilicone surfactant + 12.4 fl.oz. water	3.8 fl.oz. this product + 0.12 fl.oz. organosilicone surfactant + 11.1 fl.oz. water	5.08 fl.oz. this product + 0.12 fl.oz. organosilicone surfactant + 9.86 fl.oz. water
12 inch DBH	3.05 fl.oz. this product + 0.14 fl.oz. organosilicone surfactant + 14.9 fl.oz. water	4.6 fl.oz. this product + 0.14 fl.oz. organosilicone surfactant + 13.4 fl.oz. water	6.10 fl.oz this product + 0.14 fl.oz. organosilicone surfactant + 11.8 fl.oz. water
20 inch DBH	5.08 fl.oz. this product + 0.24 fl.oz. organosilicone surfactant + 24.8 fl.oz. water	7.6 fl.oz. this product + 0.24 fl.oz. organosilicone surfactant + 22.3 fl.oz. water	10.16 fl.oz. this product + 0.24 fl.oz. organosilicone surfactant + 19.7 fl.oz. water
40 inch DBH	10.16 fl.oz. this product + 0.47 fl.oz. organosilicone surfactant + 49.6 fl.oz. water	15.2 fl.oz. this product + 0.47 fl.oz. organosilicone surfactant + 44.5 fl.oz. water	20.33 fl.oz. this product L + 0.47 fl.oz. organosilicone surfactant + 39.4 fl.oz. gal water
50 inch DBH	12.71 fl.oz. this product + 0.59 fl.oz. organosilicone surfactant + 62.0 fl.oz. water	19.0 fl.oz this product + 0.59 fl.oz. organosilicone surfactant + 55.6 fl.oz. water	25.41 fl.oz. this product + 0.59 fl.oz. organosilicone surfactant + 49.3 fl.oz. water

<b>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).</b>			
<b>Trunk DBH</b>	<b>Low Rate</b>	<b>Medium Rate</b>	<b>High Rate</b>
85 inch DBH	21.6 fl.oz. this product + 1.0 fl.oz. organosilicone surfactant + 105.4 fl.oz. water	32.3 fl.oz. this product + 1.0 fl.oz. organosilicone surfactant + 94.6 fl.oz. water	43.2 fl.oz. this product + 1.0 fl.oz. organosilicone surfactant + 83.8 fl.oz. water

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### **Document Control Information**

1. **Unique Label Identifier:** 002217-00937.20181203.NY-120020-proposed-clean
2. **Reason for Issue:** add spotted lanternfly

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