



SuffOil-X[®] Efficacy Study

Efficacy of Insecticides against California Red Scale
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This 2010 study was conducted to evaluate the efficacy of insect growth regulators, horticulture oils, residual insecticide and systemic insecticides against California red scale (*Aonidiella aurantii*) on container grown bay laurel (*Laurus nobilis*). Seventy-five days after the first insecticide applications the mortality rates were over 90% in the SuffOil-X treatment. In this trial, each plant was individually sprayed. This resulted in the pesticides making contact with the scales. Growers often have plants spaced pot tight. As a result it can be difficult to get contact insecticide to all the scales on a plant.

Insecticides evaluated against California red scale on bay laurel				
Treatment*	Active Ingredient	Rate	Application Type	Date of Application
Safari 2G	dinotefuran	2.6 g / pot	Top Dress	Feb 5
Safari 20SC	dinotefuran	18 oz / 100 gal	Foliar Spray	Feb 5 & Mar 4
Flagship 25WG	thiamethoxam	8 oz / 100 gal	Foliar Spray	Feb 5 & Mar 5
Marathon II	imidacloprid	50 ml / 100 gal	Foliar Spray	Feb 5 & Mar 6
Talstar Flowable	bifenthrin	28.5 fl oz / 100 gal	Foliar Spray	Feb 5 & Mar 7
SuffOil-X	petroleum oil	2 gal / 100 gal	Foliar Spray	Feb 5 & Mar 8
Distance	pyriproxyfen	12 oz / 100 gal	Foliar Spray	Feb 5 & Mar 9
Talus 40SC	buprofezin	21.5 fl oz / 100 gal	Foliar Spray	Feb 5 & Mar 10
Triact 70	neem oil	2 gal / 100 gal	Foliar Spray	Feb 5 & Mar 11

*Capsil (8 oz / 100 gal) was tank mixed with all foliar treatments

