

OLIVES

Applaud® insect growth regulator provides effective control of black scale, and other scale species, in olive trees. The active ingredient, *buprofezin*, is extremely effective against the nymph stages of the pests by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs.

Key Benefits

- Proven performance
- Not disruptive to beneficial insects
- Controls nymphal stage of scale which is responsible for producing most of the damaging honeydew
- The unique vapor action activity of Applaud helps the product get to tough insect hiding places
- Economical choice

Insects Controlled

- Scales

Recommended Use Rates

- Applaud is a dry flowable material available in a 12 lb jug. Use rates are 34.5 oz to 46.0 oz/A (or 2.156 to 2.875 lbs of product/A).
- Use a minimum of 500 gallons of water per acre for mature trees.
- Proper coverage is essential for optimum insect control. Use of a higher volume of water will assure better coverage, especially in hot, dry conditions or when a dense canopy is present.
- Addition of oil will enhance control.

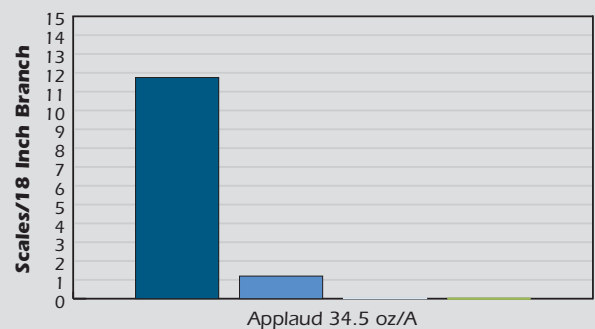
Use Information

- Apply as a cover spray once all crawlers have come out and first instar nymphs have settled on the leaves.
- Treatment should be applied when population level reaches economic threshold.
- Reentry interval – 12 hrs
- Preharvest interval – 21 days
- Group 16 Insecticide



Black scale - untreated olive leaf

Black Scale Control



- Pre-Application of 1st instar nymphs
- November 2, 2009 evaluation of 1st - 2nd instar nymphs
- March 9, 2010 evaluation of 3rd instar nymphs
- April 29, 2010 evaluation of adult scales

Applaud was applied on August 17, 2009 at the black scale crawler stage. April, 2010 (8.5 months later) evaluation resulted in zero adult scales present.

Scales/18 inch branch. Application date: August 17, 2009. Commercial airblast sprayer at 1.5 MPH using 500 GPA.