Citrus Black Spot Management Timing Schedule

Fungicide Timing

Fruit is susceptible for 5 to 6 months post-petal fall

Copper

Copper and/or strobilurins

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Copper

Late Spring (April/May)

Continue applications at 1-month intervals

• Registered fungicides with reported efficacy against black spot are copper (all formulations; use maximum label rate) and strobilurins (Abound®, Gem®, Headline®, maximum label rate recommended). Strobilurins are recommended at temperatures greater than 94°F when phytotoxicity is a concern with copper. No more than four strobilurin applications can be made in a year for all diseases, and consecutive applications are not recommended due to potential resistance development.

• Black spot management can be coordinated with a canker management program. Copper sprays are effective for both diseases, but applications for black spot will need to be extended past the canker application season for most varieties (see back).

• Fungicide applications for greasy spot and melanose will also be effective against black spot. However, neither Enable® nor petroleum spray oil alone has a demonstrated effect against black spot.

• The prebloom fungicide applications for Alternaria brown spot and citrus scab are less effective for black spot because spores are not yet present in large enough numbers to cause infection. Petal fall may still be too early to begin applications for black spot if the weather is dry.

• It is important to get good canopy coverage with fungicides for black spot control. To ensure complete coverage, consider using a spray volume of 250 gal per acre.

• Leaf litter management is also an important tool for black spot management since the primary spores are produced in the litter, like greasy spot. The measures described below have shown to effectively reduce greasy spot inoculum, although not enough to eliminate fungicide applications.
  • One urea (187 lb/treated acre) or ammonium sulfate (561 lb/acre) application will reduce the number of fungal structures and spore production.

  OR
  • Enhanced irrigation with microsprinklers five times a week starting mid-March and continuing until litter is decomposed.
  • Dolomite lime (2,226 lb/acre) will also reduce the number of fungal structures and spores.

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