

# DuPont™ Kocide® 2000

fungicide

## *A promising alternative to the Florida citrus canker\* eradication program*

New data gained from collaboration with the University of Florida and the Institute for Agricultural Research of Parana State (IAPAR) of Brazil demonstrates that a stringent integrated management program can significantly manage citrus canker.

### Best management practices

Currently there is no single solution for effective management of citrus canker. However, research shows that the spread of canker is greatly reduced when growers implement a strong stewardship program that includes:

- Using certified root stock.
- Adopting good crop management hygiene.
- Installing effective windbreaks.
- Changing existing crop protection spray programs — spray earlier and more frequently, especially on juice crops.
- Control of leafminer.

### Spray early and often

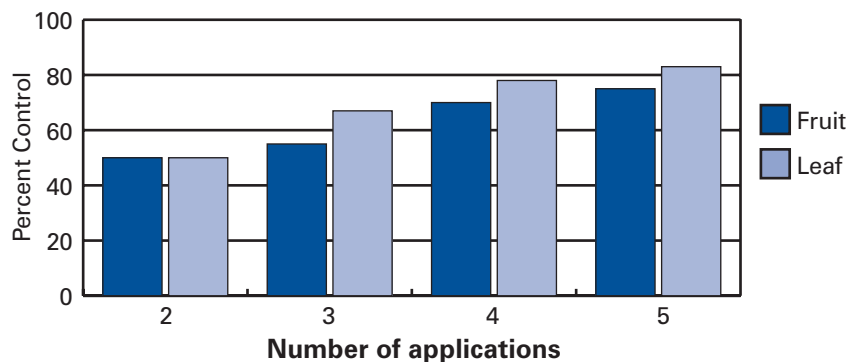
Recent studies also confirm that early and more-frequent, repeat sprays of copper-based fungicides, such as DuPont™ Kocide® 2000 fungicide, are critical to the management of this potentially devastating disease.

This increased use of Kocide® 2000 is supported by field trials conducted in Argentina. For example, researchers found that citrus canker infections on

leaves decreased from 18 percent after two sprays to 7.5 percent after five sequential applications. A program of four sprays reduced levels of citrus canker on the leaves and fruit by 70 percent to 80 percent.



### Number of copper sprays and percent control of citrus canker



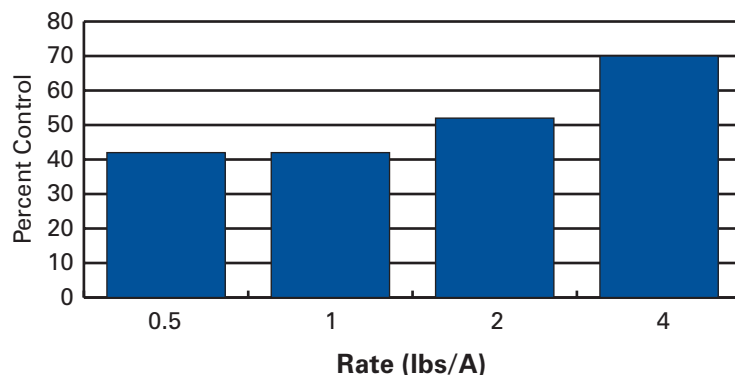
Source: Beatriz Stein, Jacqueline Ramallo and Lucus Foguet. Estacion Experimental AgroIndustrial "Obispo Colombres." Trials were conducted from 2002 to 2005.

### Make Kocide® 2000 the foundation of your citrus canker management program

Growers can effectively manage the risk of citrus canker by adapting integrated crop protection measures and following new recommendations for sequential sprays of Kocide® 2000.

Kocide® 2000 provides the most effective suppression of citrus canker while providing broad-spectrum protection of key fungal diseases of citrus.

### Kocide® 2000 higher rates provide better control



Source: Leite, 2003-04, 2004-05. Citrus Canker Control (internal): 80 percent disease on leaves

## How to get the best results with DuPont™ Kocide® 2000

Start spraying early and increase to a minimum of four or five DuPont™ Kocide® 2000 applications for citrus canker suppression:

- Apply Kocide® 2000 at the rate of 2 to 4 pounds per acre.
- Spray flushes 7 to 14 days after shoots begin to grow.
- Under heavy disease pressure, each flush of new growth should be sprayed.
- Kocide® 2000 may be mixed with dry foliar nutritionals (micronutrients) to create “Shot Bag” mixes to meet the various nutritional requirements of citrus and provide disease protection. The use rate of Kocide® 2000 in these mixes must not exceed the maximum recommended labeled rates for disease control.

## Additional benefits of using Kocide® 2000

Patented, state-of-the-art formulation technology makes Kocide® 2000 fungicide superior to all other copper fungicides on the market today. And, if that weren't enough, Kocide® 2000 just may be one of the most economical disease control options:

- **Improved copper bioavailability:** Pound for pound, Kocide® 2000 delivers more bioactive/fungicide/bactericide copper, so you can get more disease control with 25 percent to 40 percent less formulated product per acre.

- **Less cleanup:** Kocide® 2000 also can be used instead of liquid copper products, which eliminates the need for triple rinsing of a liquid formulation container.
- **Improved dispersion:** Copper particles cover the plant surface thoroughly and evenly to provide complete initial coverage and to maintain residual control.
- **Enhanced rainfastness:** The copper stays on the leaf to provide longer residual disease control.
- **State-of-the-art dry flowable formulation:** Provides improved suspension and excellent compatibility with most commonly used pesticides.
- **Increased disease control:** Increased bioactivity, better dispersion and longer residual all add up to make Kocide® 2000 the best copper fungicide your money can buy.
- **Lowest cost per acre:** Based on the MSRP, in terms of cost-per-acre, Kocide® 2000 may be your most economical choice.

## Working together

At DuPont, we're continually working to gain knowledge and provide solutions to the challenges that threaten growers' abilities to manage their business and to be more profitable. We are eager to share the findings and ready to apply the key learnings from these studies to the fight against citrus canker.

## For more information

Contact your local DuPont crop protection retailer or DuPont representative to learn more about how you can manage the threat of citrus canker with DuPont™ Kocide® 2000 fungicide. And visit us on the Web at [kocide.dupont.com](http://kocide.dupont.com).

\* This Kocide® 2000 recommendation is permitted under FIFRA Section 2(ee) for the suppression of citrus canker in the state of Florida. It has not been submitted to or approved by the EPA. The 2(ee) expiration date is 12/31/2006.

***This reference guide is not intended as a substitute for the product label for the products referenced herein. Product labels for the above product contain important precautions, directions for use and product warranty and liability limitations that must be read before using the product. Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label directions and precautions for use when using any pesticide alone or in tank mix combinations.***

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