

Response for Information on Streptomycin and Oxytetracycline Use in Hawaii

Date: June 10, 2005

To: [Rick Melnicoe](#)
Director, Western Integrated Pest Management Center

From: [Cathy Tarutani](#)
Department of Plant and Environmental Protection Sciences
3190 Maile Way, St. John 307
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Honolulu, HI 96822

CC: [Dr. Michael Kawate](#)

Rick,

Well, we don't have much to say about the use of these antibiotics. But, here is something, anyway.

[Attachment \(Microsoft Word\)](#)

Cathy

[Cathy Tarutani](#)
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May 26, 2005

Subject: Streptomycin and Oxytetracycline

Dear Colleagues,

I just received the following information request from Dhol Herzi, USDA, Office of Pest Management Policy. If you have any information you can provide, please reply back to me and I will forward your responses to Dhol. Those of you in the Pacific Northwest should coordinate your replies through Jane Thomas.

Please reply by June 10.

Thank you.

Sincerely,

Rick

[Rick Melnicoe](#)

Director, Western Integrated Pest Management Center
Director, Office of Pesticide Information and Coordination (UC Statewide
Pesticide Coordinator)
One Shields Avenue
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Date: May 19, 2005

To: [Rick Melnicoe](#)

Director, Western Integrated Pest Management Center

From: [Dhol Herzi](#)

Office of Pest Management Policy
USDA

Good Day;

EPA is working on the preliminary risk assessment for streptomycin and oxytetracycline. They have asked us to gather some background information on the use of these chemicals.

1. How critical are the chemicals to growers?
2. What are the alternatives for these chemicals (in particular for fire blight)?
3. How do growers react to resistant pathogens (i.e., do they use an alternative, apply more product, or use other methods to manage pests)?

Thank you in advance for all your help.

[Dhol Herzi](#)

Office of Pest Management Policy, USDA
Phone: (202) 720-2664

Streptomycin and oxytetracycline

June 10, 2005

1. How critical are the chemicals to growers?

Currently, I have no reports of important agricultural uses for either streptomycin or oxytetracycline.

There is only one oxytetracycline product licensed for sale in Hawai'i, Mycoshield® (55146-97). The label sites are pears, peaches and nectarines. None of which are grown commercially in Hawai'i, yet.

Agri-Mycin® 17 Agricultural Streptomycin (55146-96), the only agricultural streptomycin product licensed for sale in Hawai'i, lists vegetable and ornamental crops which are grown commercially in Hawai'i, but I have received no reports that it is used very much. (Some history: there were two 24(c) labels for Agri-Mycin® from 1984-1994 to control bacterial blight caused by *Xanthomonas campestris pv. dieffenbachiae* in anthurium. I understand that resistance developed and fairly quickly.)

2. What are the alternatives for these chemicals (in particular for fire blight)?

Some growers are starting to use the hydrogen dioxide product OxiDate® (70299-2) from the Biosafe Company.

Fire blight is not an issue in Hawai'i.

3. How do growers react to resistant pathogens (i.e., do they use an alternative, apply more product, or use other methods to manage pests)?

Some growers use an alternative, for example OxiDate® (see #2, above).

Some growers use ammonia products like Physan 20 (55364-5) or Naccosan (70908-1), others sodium hypochlorite products like Clorox Commercial (67619-8) as disinfecting agents for tools, pots and work surfaces.

Growers are also using sanitation practices such as taking out contaminated plant material, disinfecting their tools and footwear, drip irrigation, and growing in a covered structure vs. a shade type house so that they have control over the rain on the plant materials.

Comments submitted by:

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