Resistant Mites?

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Kelthane (Rohm & Haas! FW-293), the latest of the newer miticides for resistant red spiders has now had sufficiently extensive commercial trials among rose growers to establish it as the most promising miticide for !56. With the cooperation of Paul Burgevin, Burgevin Horticultural Products, Port Chester, New York, samples of this material were distributed to more than 21 of the largest and most reliable rose growers in the country. Comprehensive reports received from 15 of these growers in the states of Connecticut, Indiana, Massachusetts, New Hampshire, New Jersey, New York, and Washington indicate that well over 100,000 plants have already been treated.

In controlling red spiders Kelthane is performing better than many of the currently used miticides. No growers reported poor results, for all reports were evenly divided between good and excellent red spider control. Some growers have found Kelthane as good as or superior to Parathion, Aramite, Chlorobenzilate, and Chlorobenzilate plus OMPA. It's comparative effectiveness depending upon the kind of resistant strain present in the range.

Kelthane, unlike many miticides, appears to be equally effective against eggs, larvae, and adults and nymphs of the two spotted mite.

The plant injury picture looks very promising. At the present time over 30 varieties of roses have been treated without serious injury. Suggestions of slight injury such as "Soft growth showed very little effects and recovered in a few days", a "slight tip burn" have been received. The worst injury seen so far has been on Happiness where red spotting of young expanded

leaves was noted. Besides the list of rose varieties listed below, several varieties of carnations and chrysanthemums have been treated. The following rose varieties were treated with either the wettable powder or the emulsifiable solution:

Better Times Peters Briarcliff
Briarcliff Pinocchio
Carol Amling Pink Champagne

Demure Polyanthus types (several

Goldylocks Stoplight
Golden Rapture Snow White
Garnett Vanity Fair
Happiness 16 unnamed varieties

Since Kelthane is not very poisonous to man it promises to be a safe material as well as an effective one to use

Every miticide is subject to the possibility of the red spiders developing resistance to it. Kelthane is no exception. It is not possible to dogmatically state that this material will or will not fall as others have, but laboratory experience to date indicates that it behaves initially much like Aramite to Parathion resistant mites.

Everybody should save for a rainy day. Do this with Kelthane. Don't use it if other materials are giving you control. Save it till you think you need a hammer, then spray thoroughly, completely and often with 1-1 1/2 lbs. 25% Kelthane wettable powder or 1 pint Kelthane emulsifiable solution per 100 gallons of water.

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