

ORNAMENTAL PLANTS - ZINNIA

General Information

APPLICATION INSTRUCTIONS

Quali-Pro Chlorothalonil DF, a dry flowable product containing chlorothalonil, is recommended for use as a spray for the control of many important plant diseases.

RESISTANCE MANAGEMENT

To avoid the development of tolerant or resistant strains of fungi, Quali-Pro Chlorothalonil DF should always be tank mixed with a fungicide of different chemistry, and/or a fungicide of different chemistry should be alternated with Quali-Pro Chlorothalonil DF at each application. If after using Quali-Pro Chlorothalonil DF as recommended and the treatment is not effective, a tolerant or resistant strain of fungi may be present. Discontinue the use of Quali-Pro Chlorothalonil DF for at least one season.

Quali-Pro Chlorothalonil DF is effective for use in programs that attempt to minimize disease resistance to fungicides. Quali-Pro Chlorothalonil DF has a multi-site mode of action and may be used to delay or prevent the development of resistance to single-site fungicides. Consult with your Federal or State Cooperative Extension Service representatives for guidance on the proper use of Quali-Pro Chlorothalonil DF in programs that seek to minimize the occurrence of disease resistance to other fungicides.

GENERAL PRECAUTIONS

Quali-Pro Chlorothalonil DF can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control.

Do not combine Quali-Pro Chlorothalonil DF in a spray tank with pesticides, surfactants, or fertilizers, unless prior use has shown the combination to be physically compatible, effective, and noninjurious under conditions of use. Do not combine Quali-Pro Chlorothalonil DF with DiPel 4L, Foil, Triton AG-98, Triton B-1956 and Latron B-1956 as phytotoxicity may result from the combination when applied to crops listed on the label.

The required amount of Quali-Pro Chlorothalonil DF should be added slowly into the spray tank during filling. With concentrate sprays, premix the required amount of Quali-Pro Chlorothalonil DF in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations.

Dosage rates on the label indicate pounds of Quali-Pro Chlorothalonil DF per acre, unless specified otherwise. Under conditions favoring disease development, the high rate specified and shortest application interval should be used.

APPLICATION PRECAUTIONS AND REQUIREMENTS

This product must not be applied within 150 feet for aerial and air-blast applications, or 25 feet for ground applications of marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body.

Limitations, Restrictions, and Exceptions

ORNAMENTAL PLANTS

Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields located on or next to schools (i.e., elementary, middle, and high schools), campgrounds, churches, and theme parks. Quali-Pro Chlorothalonil DF may be used on ornamental plants grown in the field, nurseries, or greenhouses.

Ornamentals grown in nurseries, greenhouses:

Apply in a spray to run-off, when conditions are favorable for disease development. Repeat applications at 7 to 14 day intervals until conditions are no longer favorable. During periods when conditions favor severe disease incidence, generally cloudy or

wet weather, apply Quali-Pro Chlorothalonil DF at 7 day intervals. Quali-Pro Chlorothalonil DF should be applied to plants when both foliage and flowers are dry or nearly dry. Do not use mistblowers or high pressure spray equipment when making applications of Quali-Pro Chlorothalonil DF in greenhouses.

Ornamentals grown in the field:

For aerial application to field-planted ornamentals, a minimum rate of 10 gallons of spray per acre should be used during application. For field-grown ornamentals, excluding roses and pachysandra, apply 0.75 pound per 100 gallons (full dilution) or 1.87 pounds per acre in a single treatment. No more than 44.1 pounds per acre of Quali-Pro Chlorothalonil DF may be applied to field-grown ornamentals per year. Quali-Pro Chlorothalonil DF should be applied to plants when both foliage and flowers are dry or nearly dry.

For field-grown roses, apply 1.3 pounds of Quali-Pro Chlorothalonil DF per acre for a single application. For field-planted pachysandra, apply 3.75 pounds of Quali-Pro Chlorothalonil DF per acre for a single application.

Do not combine Quali-Pro Chlorothalonil DF in the spray tank with pesticides, surfactants, or fertilizers unless prior use has shown the combination to be physically compatible, effective, and noninjurious under your conditions of use.

Use of Quali-Pro Chlorothalonil DF is recommended for control of fungal diseases referred to by numbers in parentheses following each ornamental. Ornamentals listed on the label have been tested and found to tolerate applications of Quali-Pro Chlorothalonil DF at the recommended rates.

Plant sensitivities have been found to be acceptable in specific genera and species listed on the label, however, phytotoxicity may occur. Due to the large number of species, widely varying growth conditions, and varieties of ornamentals and nursery plants, it is impossible to test every one for sensitivity. Neither the manufacturer nor seller has determined whether or not Quali-Pro Chlorothalonil DF can be used safely prior to commercial use. The user should test for possible phytotoxic responses, using recommended rates on ornamental plants on a small area prior to commercial treatments and observe for 7 to 10 days for symptoms of phytotoxicity. Applications made during bloom may damage flowers and/or fruits.

NOTE: Fruits and other treated foliage must not be eaten or fed to livestock.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field rates 0](#)

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Restricted Entry Interval

12 hours

Timings

[When conditions are favorable for disease development.](#)