

# **ORNAMENTALS GROWN IN HYDROPONIC, ROCKWOOL, OR SIMILAR ARTIFICIAL SUBSTRATE SYSTEMS**

## General Information

## Product Information

This label must be in the possession of the user at the time of fungicide application.

Carefully read and understand the Directions For Use and Restrictions and Limitations before applying this product.

Orvego fungicide may be applied to field-grown and containerized ornamental and nursery plants for the control of downy mildew and phytophthora root, crown, and stem diseases in the following use sites:

- Greenhouses, lathhouses, and shadehouses
- Hardwood and conifer nurseries or plantations
- Interiorscapes
- Outdoor or field nurseries

Orvego may be applied as a foliar spray, soil drench, directed or soil surface spray, or through irrigation systems. For use rate and spray interval, see instructions specific to use site, disease, and plant type. See Orvego fungicide Disease Control tables for application methods, rates, and timings.

## Mode of Action

Orvego contains two active ingredients: ametoctradin and dimethomorph. Ametoctradin, a strong inhibitor of mitochondrial respiration in complex III (cytochrome bc1) of Oomycetes fungi, is classified by the Fungicide Resistance Action Committee (FRAC) as a Group 45 fungicide. Dimethomorph belongs to the group of cell-wall synthesis inhibitors and is classified as a Group 40 fungicide.

Orvego is used for the preventive control of certain foliar, stem, and root diseases of herbaceous and woody ornamental crops. Orvego can be used on plants grown in greenhouses, lathhouses, shadehouses, interiorscapes, and outdoor container or field nurseries, including hardwood and conifer nursery seedlings. Use this product in a program with other products to provide season-long protection. Under severe

disease conditions, use maximum rates and shorter intervals for repeat applications.

Orvego is a foliar and root penetrant with translaminar and locally systemic activity. Thorough plant coverage is important when Orvego is used as a preventive application for foliar diseases. Dense foliage or excessive growth will often prevent adequate coverage; adjust spray volumes accordingly.

Orvego will also control stem and root diseases when applied to the root zone of the plant as a drench, soil surface, or directed spray, or via hydroponic and chemigation systems.

Carefully read, understand, and follow all directions and precautions.

Disease pressure and environmental conditions will determine the length of the spray interval. Calibrate sprayers before application.

### Resistance Management

The multiple modes of action of Orvego make it ideal for disease management programs where fungicide rotation is emphasized to help prevent the development of resistance. Certain causal agents of downy mildew diseases (*Bremia* spp., *Peronospora* spp., *Plasmopara* spp., and *Pseudoperonospora* spp. strains) and *Phytophthora* spp. have developed resistance to some crop protection products after excessive use. Because the development of resistance cannot be predicted, always use Orvego in a resistance management program that incorporates the practices of alternation (rotation) and/or tank mixing Orvego with other fungicides effective on downy mildew and *Phytophthora* diseases.

Apply Orvego in an alternation or tank mix program with other registered fungicides that have a different mode of action.

DO NOT apply more than 2 consecutive applications of Orvego to a crop unless tank mixed. Between Orvego use, rotate to products with different modes of action for 2 applications.

If disease continues to increase excessively after Orvego treatment when used according to label directions, DO NOT increase the use rate beyond the labeled rate.

Discontinue Orvego use and switch to another fungicide with a different target site or mode of action, if available. Your local crop advisor can provide an appropriate

control strategy.

Orvego is a protectant fungicide. If not applied on a routine protectant spray schedule, examine crops weekly for signs and symptoms of disease. Make fungicide application at the specified label use rate and spray schedule, at the first sign of disease, or during environmental conditions favorable for disease development. Resistance management strategies advise not to apply at rates lower than specified on the label.

#### Restrictions and Limitations

- Outdoor Uses: DO NOT apply more than a total of 56 fl ozs Orvego per 100 gallons per crop per year.
- Indoor Uses: DO NOT make more than 4 applications of Orvego per crop per season.
- DO NOT apply to plants that show injury (leaf phytotoxicity or plant stunting) produced by prior pesticide applications.
- DO NOT use on crops intended for food or feed use.
- DO NOT use in vegetables grown in greenhouses for crop production or in vegetable production of transplants for outdoor use.
- DO NOT apply this product when wind conditions favor drift.
- Tank Mixtures - When tank mixing, observe the most restrictive tank mix limitations and precautions of all products used in the tank mixture.
- Orvego is not for sale, distribution, or use in Nassau and Suffolk counties in New York State.

#### Limitations, Restrictions, and Exceptions

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Mix 11 fl ozs product (0.376 lb ai) per 100 gallons treatment solution.

Chemigate - In circulating systems, treat at the start of crop culture using the dose rate listed per 100 gallons of circulation water. Repeat treatment every 4 weeks.

Drench - In noncirculating systems, apply 8 fl ozs of stock solution as a drench treatment per 6 inch pot. Adjust amount according to container size.

Outdoor uses - DO NOT apply more than a total of 56 fl ozs Orvego fungicide per

100 gallons per crop per year.

Indoor uses - DO NOT make more than 4 applications of Orvego per crop per season.

Method

[Drench](#)

Rates

[field rates 0](#)

[field rates 1](#)

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Restricted Entry Interval

12 hours

Timings

[N.A.](#)