

CONTAINER GROWN PLANTS: SOIL APPLICATION - DOWNY MILDEW

General Information

GENERAL INFORMATION

SEGWAY O is a flowable suspension concentrate for control of Pythium, Phytophthora and Downy mildew diseases on ornamental plants grown in commercial greenhouses and nurseries. Application by home-owners to residential turf is prohibited.

INTEGRATED PEST MANAGEMENT

SEGWAY O is an excellent disease control agent when used according to label directions for control of several Oomycete fungi. Although SEGWAY O has limited systemic activity, it should be utilized as a protectant fungicide and applied before the disease infects the crop.

Depending upon the level of disease pressure, good protection of the crop against disease can be expected over a period of 7 to 28 days.

SEGWAY O is recommended for use as part of an Integrated Pest Management (IPM) program, which may include the use of disease-resistant crop varieties, cultural practices, crop rotation, biological disease control agents, pest scouting and disease forecasting systems aimed at preventing economic pest damage. Practices known to reduce disease development should be followed. Consult your state cooperative extension service or local agricultural authorities for additional IPM strategies established in your area. SEGWAY O may be used in State Agricultural Extension advisory (disease forecasting) programs that recommend application timing based upon environmental factors that favor disease development.

RESISTANCE MANAGEMENT

Some plant pathogens are known to develop resistance to products used repeatedly for disease control. SEGWAY O's mode/target site of action is complex III of fungal respiration: ubiquinone reductase, Qi site (Fungicide Resistance Action Committee code 21). A disease management program that includes alternation and/or tank

mixes between SEGWAY O and other labeled fungicides that have a different mode of action and/or control pathogens not controlled by SEGWAY O is essential to prevent disease resistant pathogen populations from developing. SEGWAY O should not be utilized continuously nor tank mixed with fungicides to which the target diseases have developed resistance.

Since pathogens differ in their potential to develop resistance to fungicides, follow the directions outlined in the "Directions For Use" section of the label for specific resistance management strategies for each crop. Consult with your Federal or State Cooperative Extension Service representatives for guidance on the proper use of SEGWAY O in programs that seek to minimize the occurrence of disease resistance. SEGWAY O is not cross-resistant with other classes of fungicides that have different modes of action.

PLANT TOLERANCE

Note to User: Although SEGWAY O has been evaluated on several plants with no indication of phytotoxicity, neither the manufacturer nor seller has determined whether or not SEGWAY O can be used safely on ornamental and nursery plants not specified on the label. The professional user should determine if SEGWAY O can be used safely prior to commercial use by testing a small number of the type of plants to be treated at recommended rates for that particular group for phytotoxicity.

Limitations, Restrictions, and Exceptions

ORNAMENTALS:

Container Grown Plants - Soil Application

For control of damping-off, root and stem rot diseases of ornamentals, including conifers, grown in containers in greenhouses, outdoor nurseries and landscapes, apply Segway Fungicide as a soil drench or soil surface spray. Do not make more than 2 applications of Segway Fungicide per crop cycle for control of Pythium or Phytophthora soil borne diseases. Segway Fungicide may also be applied via irrigation systems as noted below.

For drench applications to containerized plants, use enough of the specified water solution to wet the root zone with minimal run-through. Do not exceed 5% run-through. In general 1 pint of the solution/sq. ft. is sufficient for ornamentals growing

in a container with 4-inch depth of growth media. Containers greater than 4-inch depth generally require from 1 1/2 to 2 pints of the solution/sq. ft.

COMMENTS:

Apply on a 14 to 21 day schedule (refer to the additional directions given in the Foliar Application paragraphs above). Within the rate range, use the lower rate at the shortest interval and the higher rate at the longest interval. When disease conditions are severe use the highest rate and shortest interval. Apply sufficient volume (normally 50 to 100 gallons per acre) to wet all foliage to the point of run-off. If water volumes used are less than 50 gallons per acre, an organosilicone surfactant should be added when the disease infection is severe, or a non-ionic surfactant or a blend of an organosilicone and a non-ionic surfactant should be added when disease infection is moderate or light, according to the manufacturer's label recommendations.

- Refer to the chart at the label for application volumes for container grown plants.

Method

[Drench](#)

[Soil application](#)

Rates

[field rates 0](#)

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Restricted Entry Interval

12 hours

Timings

[When conditions are favorable for disease development or when plants first exhibit disease symptoms, from germination to mature crop.](#)