

SOIL AND GREENHOUSE BENCH TREATMENT - DAMPING-OFF AND ROOT ROT DISEASES

General Information

GENERAL INFORMATION

CAPTAN 4L is an aqueous suspension for use in water as a spray for the control of listed fungal diseases of fruit. THIS FORMULATION IS NOT SUITABLE FOR USE AS A SEED PROTECTANT. Read all precautions and directions for use before using. Use only for claims listed and only as specified on the label. Observe use limitations given on the label for specific crops.

In order that pesticide residues on food and forage crops will not exceed Federal tolerances, use only at labeled rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift onto adjoining food, fiber or pasture crops. Drift of captan onto sensitive crops (e.g. D'Anjou pears) can cause severe phytotoxicity and crop loss.

Consult State Agricultural Experiment Stations or the State Agricultural Extension Service for additional information, as the time of applications needed will vary with local conditions.

APPLICATION INFORMATION

Applications can be made by aircraft or ground power equipment (including concentrate and semi-concentrate equipment). Pour labeled amount of this product into nearly filled spray tank. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Do not combine with emulsifiable liquids or wettable powders unless previous experience has proven them to be physically compatible and safe to plants. (Read "COMPATIBILITY AND PLANT SAFETY" information.) Apply aerial or concentrate sprays in sufficient water for coverage. Do not apply this product through any type of irrigation system.

USE PRECAUTIONS

Except as specified, begin applications before or at first sign of disease and repeat as needed to maintain control, but observe use limitations. Unless otherwise

specified, application can be made on the day of harvest. Maximum application is for a crop cycle. Crop cycle is defined as pre-bloom through postharvest.

Apply the higher rate and/or spray at shorter intervals when climatic conditions most favor disease(s). Apply the lower rate and/or spray at larger intervals when climatic conditions least favor disease(s). If you are unaware of the climatic conditions favorable for disease(s) claimed for the specific use sites, you must consult with your State Agricultural Extension Service to learn of these conditions.

IMPORTANT: Read label carefully. Although most of the directions on the label may be followed nationwide, a few are limited to either the Eastern U.S. (states east of the Rocky Mountains) or Western U.S. Follow those directions for your growing area where specified.

RESISTANCE MANAGEMENT

This product is a Group M fungicide. Fungal isolates with acquired resistance to Group M fungicide may eventually dominate the fungal population if Group M fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group M fungicides.

To delay fungicide resistance, consider:

- Avoiding consecutive use of this product or other target site of action Group M fungicides that have a similar target site of action on the same pathogens.
- Using tank mixtures or premixes with fungicides from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the mix or prepack rate on the pathogens(s) of concern.
- Basing fungicide use on a comprehensive IPM program.
- Monitoring treated fungal populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for fungicide resistance management and/or IPM recommendations for specific crops and resistant pathogens.
- The multi-site activity grouping, designated by the symbol "M", comprises a

collection of various chemicals that act as general toxophores with several sites of action. These sites may differ between group members.

Additional Requirements for Aerial Applications:

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy. When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Do not make applications into temperature inversions.

Additional Requirements for Ground Boom Application:

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Limitations, Restrictions, and Exceptions

ORNAMENTALS

Do not apply spray to Ornamental plants listed beyond the point of drip from the leaf surface. When applying as a drench, apply only sufficient mixture to wet the surface of the soil except when the dose is specified in terms of volume of mixture per square foot area. Do not apply to turfgrass in residential sites, including homes, apartment buildings, daycare centers, schools, playgrounds, parks, recreational areas, sports fields or other residential areas.

SPECIFIC DIRECTIONS:

Mix in 100 gallons of water at a rate of 15 gallons for every 1,000 square feet. Cultivate into top 3 to 4 inches of soil before planting.

USE RESTRICTIONS:

Once the treatment and any seeding or transplanting done as a part of the treatment are complete, the 48-hour REI begins.

Method

[Soil application](#)

Rates

[field_rates 0](#)

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Restricted Entry Interval

48 hours

Exception: Once the seeds or transplants are planted in the soil, the Worker Protection Standard (WPS) allows workers to enter the treated area without restriction if there will be no contact with the soil subsurface.

Timings

[Preplant](#)