

# FIFRA Section 24(c) Special Local Need (SLN) Label



Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054 USA

## Dithane® F45 Rainshield®

EPA Reg. No. 62719-396  
EPA SLN No OR-090016

For Distribution and Use Only in the State of Oregon

This label is valid until December 31, 2024, or until otherwise amended, withdrawn, canceled, or suspended.

### For Disease Control in Certain Small Seeded Vegetable Seed Crops

#### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This SLN label and the federal label for this product must be in the possession of the user at the time of pesticide application.
- Read this SLN label and the label affixed to the container for Dithane® F45 Rainshield® fungicide before applying.
- Use of Dithane F45 Rainshield according to this SLN label is subject to all use directions, precautions and limitations imposed by the label affixed to the product container.

#### Active Ingredients

mancozeb†: A coordination product of zinc ion  
and manganese ethylene bisdithiocarbamate ...37.0%

In which the ingredients are:

Manganese <sup>++</sup> .....	7.4%
Zinc <sup>++</sup> .....	0.9%
Ethylene bisdithiocarbamate ion (C <sub>4</sub> H <sub>6</sub> N <sub>2</sub> S <sub>4</sub> ) .....	28.7%
Other Ingredients .....	63.0%
Total .....	100.0%

†Equivalent to 4 lb active ingredient per gallon

### Keep Out of Reach of Children

#### Environmental Hazards

This pesticide is toxic to aquatic organisms. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

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#### Directions for Use

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

## General Information

Dithane® F45 Rainshield® is a broad-spectrum protectant fungicide. Optimum disease control is achieved when the fungicide is applied in a regularly scheduled preventative spray program. The addition of an agricultural surfactant will improve fungicide performance by providing a more uniform spray deposit, increased foliar redistribution, and improved fungicide retention during periods of wet weather.

- Carefully read, understand, and follow label use rates and restrictions.
- **For proper application, determine the number of acres to be treated, the recommended label use rate and the volume to be applied per acre. Prepare only the amount of spray solution required to treat the measured acreage. Careful calibration of spray equipment is recommended prior to use.**

## Mixing Procedures for Agricultural Applications

Slowly place into spray tank as it is being filled or thoroughly premix in a nurse tank for concentrate or aircraft sprayers. Add other co-applied fungicides, insecticides, growth regulators, micronutrients, and spray adjuvants after Dithane F45 fungicide has been placed into suspension.

## Compatibility

Dithane F45 Rainshield fungicide is compatible with most commonly used agricultural fungicides, insecticides and growth regulators. When preparing tank mixes, user should consult spray compatibility charts or State Cooperative Extension Service Specialists prior to actual use.

## Spray Adjuvants

The addition of agricultural surfactants to Dithane F45 sprays will improve initial spray deposits, fungicide redistribution and weatherability.

Add Dithane F45 to the spray mixture prior to adding an adjuvant. Follow applicable use directions, precautions and limitations on the label of the adjuvant product.

## Specific Use Directions

Begin applications when disease first appears or is reported in the area. Apply 1.5 quarts Dithane F45 (1.5 lbs active ingredient) per acre in thorough coverage sprays. Repeat applications on a 7 to 10 day application schedule until the threat of disease is over. Do not apply more than 8 quarts Dithane F45 (8 lbs active ingredient) per acre per crop year.

Dithane F45 Rainshield fungicide may be used on the following seed crops for control of the following diseases:

Seed Crop	Diseases Controlled
<i>Allium</i> spp. (Leek, bunching and dry bulb onions)	Botrytis leaf blight ( <i>Botrytis</i> spp.) Downy mildew ( <i>Peronospora destructor</i> ) Neck rot ( <i>Botrytis</i> spp.) Purple blotch ( <i>Alternaria porri</i> )
Arugula	Alternaria leaf spot ( <i>Alternaria</i> sp.)
Beet (garden and/or sugar beets)	Alternaria leaf spot ( <i>Alternaria</i> sp.) Cercospora leaf spot ( <i>Cercospora beticola</i> ) Downy mildew ( <i>Peronospora farinosa</i> ) Rust ( <i>Uromyces betae</i> )
Carrot	Leaf blight ( <i>Alternaria dauci</i> ) Leaf spot ( <i>Cercospora carotae</i> ) Rust ( <i>Uromyces lineolatus</i> )
Coriander	Leaf spot ( <i>Alternaria</i> spp.)
Crucifers ( <i>Brassica</i> and <i>Raphanus</i> spp.) including, broccoli, Brussels sprouts, cabbage, cauliflower, Chinese cabbage, Chinese mustard, collard, kale, kohlrabi, rutabaga, turnip, mustard, radish (except daikon), and mustard spinach.	Black spot ( <i>Alternaria alternata</i> and <i>A. brassicola</i> ) Cercospora leaf spot ( <i>Cercospora brassicicola</i> ) Downy mildew ( <i>Peronospora parasitica</i> )
Dill	Alternaria leaf spot ( <i>Alternaria</i> sp.)
Endive	Downy mildew ( <i>Bremia lactucae</i> ) Leaf spot ( <i>Cercospora cichoria</i> )

Seed Crop	Diseases Controlled
Lettuce	Anthrachnose ( <i>Microdochium panattonianum</i> ) Cercospora leaf spot ( <i>Cercospora longissima</i> ) Downy mildew ( <i>Bremia lactucae</i> )
Parsley	Alternaria leaf spot ( <i>Alternaria</i> sp.)
Parsnip	Alternaria leaf spot ( <i>Alternaria</i> sp.)
Spinach	Downy mildew ( <i>Peronospora effusa</i> and <i>P. farinosa</i> ) Leaf spot ( <i>Alternaria</i> spp.) Leaf spot ( <i>Cercospora beticola</i> ) Leaf spot ( <i>Cladosporium variable</i> )
Swiss Chard	Cercospora leaf spot ( <i>Cercospora beticola</i> ) Rust ( <i>Uromyces betae</i> )

### Specific Use Restrictions

- **Chemigation:** Do not apply Dithane F45 Rainshield through any type of irrigation system.
- For use only on crops grown for seed as listed on this label in the state of Oregon.
- Do not apply more than 8 quarts Dithane F45 (8 lbs active ingredient) per acre per crop year.

### Special Crop Use Restrictions:

The pesticide applicator, the producer of the crop, and the seed conditioner must be aware that use of this product according to this labeling is deemed a nonfeed/non-food use by the Oregon Department of Agriculture and is regulated by Oregon Administrative Rule (OAR) 603-057-0535, Pesticide Use on Crops Grown for Seed. If the applicator of this pesticide is not the producer, the applicator must provide a copy of this labeling to the producer of the crop. Producers of this crop who use this product, or cause the product to be used on a field they operate, must provide a copy of this pesticide label to the seed conditioner.

This pesticide does not have an established pesticide residue tolerance for this crop. Consequently, no portion of this seed crop may be used or distributed for food or feed for 1 year (365 days) after the last application of this product. This restriction pertains to, but is not limited to, green chop, forage, hay, pellets, meal, whole seed, cracked seed, straw, roots, bulbs, foliage or seed screenings, and to the grazing of the crop field, stubble or regrowth. All seed screenings shall be disposed of in such a manner that the screenings cannot be distributed or used for food or feed purposes, as indicated in OAR 603-057-0535. Additional regulations concerning seed screenings are stated in OAR 603-057-0535.

Any seed from a field treated with this pesticide product shall bear specific and conspicuous container labeling, or if shipped in bulk, on the shipment invoice or bill of lading. The labeling shall contain the following statement:

"This seed was produced using one or more products for which the United States Environmental Protection Agency has not established pesticide residue tolerances. This seed, in whole, as sprouts, or in any form, may not be used for human consumption or animal feed. Failure to comply with this condition may violate requirements of the Federal Food and Drug Administration, the Oregon Department of Agriculture and other regulatory agencies."

### 24(c) Registrant:

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R822-007

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