

(Container)



Dithane™ M-45 Seed Protectant Fungicide

GROUP	M	FUNGICIDE
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Contains Mancozeb

ALL SEED TREATED WITH THIS PRODUCT MUST BE CONSPICUOUSLY COLOURED AT THE TIME OF TREATMENT

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: Mancozeb... 80%
wetable powder

REGISTRATON NO.27616 PEST CONTROL PRODUCTS ACT

MAY CAUSE IRRITATION OF NOSE, THROAT, EYES, AND SKIN

SPECIAL USE RESTRICTIONS:

This product contains no colourant. An appropriate colourant must be added when this product is applied. Regulations pertaining to the "Seeds Act" must be strictly adhered to when using this product. A red colourant must be added when this product is applied to grain.

NET CONTENTS: 3.5 kg

Corteva Agriscience Canada Company 2450, 215 – 2nd Street S.W.
Calgary, Alberta
T2P 1M4
1-800-667-3852

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PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

May cause irritation of nose, throat, eyes and skin. Do not breathe dust or spray mist.

A colourant **MUST** be added to this product to colour the seed, in accordance with the *Pest Control Products Act* and the *Seeds Act* and Regulations.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

ENVIRONMENTAL HAZARDS

Avoid contamination of water supplies. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes.

STORAGE

Keep away from fire and sparks. Store in a cool place. Do not allow to become wet or overheated in storage. This may generate inflammable vapours. Keep container closed when not in use. Do not allow the mixture to freeze.

Storage of Treated Seed: Treated seed should not be stored. Studies regarding treated seed viability after storage are in progress.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

(Booklet)



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NET CONTENTS: 3.5 kg, 20 kg, 25 kg, 544 kg, bulk

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AGRICULTURAL CHEMICAL

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Avoid contamination of water supplies. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes.

STORAGE

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2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

GENERAL INFORMATION

Dithane M-45 Seed Protectant Fungicide is a non-mercurial seed protectant for treatment of barley, oats, wheat, flax and corn.

GENERAL USE PRECAUTIONS

- **DO NOT APPLY BY AIR**
- **Treated seed must be labeled as follows: POISONOUS. DO NOT use for food or feed. This seed has been treated with DITHANE M-45 Seed Protectant Fungicide (Mancozeb).**
- If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at: www.croplife.ca.

Tank Mixtures

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Corteva Agriscience Canada Company at 1-800-667-3852 or www.corteva.ca for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by Corteva Agriscience Canada Company.

DIRECTIONS FOR USE

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC FUNGICIDE CONTROL OR CROP DAMAGE.

A colourant **MUST** be added to this product to colour the seed, in accordance with the *Pest Control Products Act* and the *Seeds Act* and Regulations.

Dithane M-45 Seed Protectant Fungicide controls the following diseases:

Wheat - Stinking Smut or Bunt
Barley - False Loose and Covered Smut
Oats - Loose and Covered Smut
Flax - Damping off and Seed decay
Corn - Root rot and Seedling Blight

Rates to Use:

Seeds Grams per 25 Kilograms of Seed

Wheat	26
Barley	33
Oats	46
Flax	56
Corn	56

Drill Box Treatment

- Step #1: Layer the bottom 1/3 of the drill box with seed already treated with Dithane M-45 Seed Protectant Fungicide.
- Step #2: Put an equal amount of untreated seed on top of this and cover with a sufficient amount of Dithane M-45 Seed Protectant Fungicide to achieve the desired dosage. Thoroughly mix this together with a stick or some similar instrument. Caution: Do not use bare hands!
- Step #3: Repeat this procedure for the final 1/3rd portion of seed.
- Step #4: Repeat steps #2 and 3 when the drill box is 2/3rd empty.

Slurry Treatment (Not to be used with flax)

Dithane M-45 Seed Protectant Fungicide can be used as a slurry treatment with Panogen and Mist-O-Matic machines. Concentrations and equipment should be adjusted to provide the rates mentioned earlier. Care should be taken to provide thorough mixing prior to and as close to use as possible.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Dithane M-45 Seed Protectant Fungicide contains a Group M fungicide. Any fungal population may contain individuals naturally resistant to Dithane M-45 Seed Protectant Fungicide and other Group M fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of Dithane M-45 Seed Protectant Fungicide or other Group M fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Corteva Agriscience Canada Company at 1-800-667-3852 or at www.corteva.ca.

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