

2022-10-05
2021-6684

GROUP	M	FUNGICIDE
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Doktor Doom Premium Sulphur Fungicide

WETTABLE POWDER

COMMERCIAL-AGRICULTURAL

ACTIVE INGREDIENT: Sulphur ... 92%

REGISTRATION NO. 34626 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

NET CONTENTS: 1 - 22.68 KILOGRAMS

753146 AB Ltd o/a Ultrasol Industries
10755-69 Ave.
Edmonton, Alberta
T6H 2C9
780-432-6535

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Do not inhale dust or spray mist. Avoid contact with skin and eyes. After handling, wash thoroughly with soap and water before eating or smoking. Do not contaminate ponds, streams or other bodies of water. Avoid contamination of feed or food. Unless indicated otherwise, wear goggles or a face shield, chemical-resistant gloves, a hat, a long-sleeved shirt, long pants and rubber boots during mixing/loading, application, clean-up and repair activities. Do not enter or allow workers to enter into treated areas until 24 hours after application.

FIRST AID:

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.

IN CASE OF SKIN OR CLOTHING CONTACT, 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 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.

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

STORAGE: Store this product away from food or feed.

DISPOSAL/DECONTAMINATION INSTRUCTIONS:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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.

RESISTANCE MANAGEMENT:

For resistance management, please note that Doktor Doom Wettable Sulphur Fungicide contains a Group M fungicide. Any fungal population may contain individuals naturally resistant to Sulphur 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 Doktor Doom Wettable Sulphur Fungicide or other Group M fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that is effective on the target pathogen when such use is permitted.
- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications.
- Monitor treated fungal populations for resistance development. Notify Ultrasol Industries if reduced sensitivity of the pathogen to Doktor Doom Wettable Sulphur Fungicide is suspected.
- 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 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 Ultrasol Industries at (780)-432-6535.

COMPATIBILITY:

This product is compatible with most commonly used insecticides and fungicides, except DNOC (Elgetol) and oil.

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.

DIRECTIONS FOR USE

The rates recommended below are based on 1000 L of dilute spray and specified amount (kg) of product per ha. Doktor Doom Wettable Sulphur Fungicide may be used in low volume or concentrate sprays by increasing the dosage to apply the same quantity of product per ha as would normally be applied when spraying dilute mixtures.

DO NOT APPLY BY AIR.

Follow provincial recommendations for proper timing of the sprays.

Do not apply if high temperatures (above 26°) and high humidity prevail or are expected during the three days following application.

Do not use sulphur within 30 days of an oil spray or bordeaux mixture.

Do not apply more than 8 applications per season.

Do not apply during periods of dead calm or when winds are gusty.

For airblast application: Do not direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows.

Do not apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

Crop - Disease	Method - Rate
Apple, Pear: Powdery mildew, Scab	Apply 6.5 kg per 1000 L (19.5 kg per ha) in the Pre-Bloom, Calyx and first Cover sprays. Reduce to 3 kg/1000 L or 9.0 kg per ha if hot weather threatens. In the later Cover sprays use 3.5 kg - 4.5 kg per 1000 L (10.5 kg - 13.5 kg per ha) depending on mildew conditions and temperature.
Peach: Brown rot, Scab	Apply 6.5 kg per 1000 L (19.5 kg per ha) in a regular spray program starting at the late pink stage. Repeat just before and during harvest if wet weather occurs.
Plum, Prune: Brown rot, Black knot	Apply 6.5 kg per 1000 L (19.5 kg per ha) in a regular spray program starting at the Shuck stage. Repeat just before and during harvest if wet weather occurs.
Sweet cherry: Brown rot	Apply 6.5 kg per 1000 L (19.5 kg per ha) in a regular spray program from the Bloom stage until just before harvest. Repeat during harvest if wet weather occurs.
Sour cherry: Brown rot, Powdery mildew	Apply 6.5 kg per 1000 L (19.5 kg per ha) at the bloom stage. If powdery mildew is a problem apply 3.5 kg/1000 L (10.5 kg per ha) in the first, second and third cover spray.
Grapes: Powdery mildew	Apply 4.5 kg/1000 L in the Post-Bloom spray on Agawam, Seneca and Seibel varieties. Do not use on Concord, Foch, Van Buren or other sulphur sensitive varieties of grapes. Apply 6 kg/1000 L in the First, Second and further Cover sprays. Do not apply later than 21 days before harvest on grapes for wine.

BUFFER ZONES FOR THE PROTECTION OF AQUATIC HABITATS.

The following table specifies the buffer zones which are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Application method	Crop	Buffer zone (metres) required for the protection of aquatic habitat
Airblast	Sweet cherry Sour Cherry Plum Peach Apple Pear Prune Grape	5

TOXICOLOGICAL INFORMATION:

Treat Symptomatically.

ENVIRONMENTAL HAZARDS:

Do not apply directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands) and estuarine/marine habitats. Do not contaminate water by cleaning of equipment or disposal of wastes.

FOR CONTROL OF POWDERY MILDEW ON GREENHOUSE TOMATOES	
<p>NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS: The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Ultrasol Industries under the User Requested Minor Use Label Expansion program. For these uses, Ultrasol Industries has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.</p> <p>Wear goggles or a face shield, a NIOSH-approved respirator, chemical-resistant gloves, a hat, a long-sleeved shirt, long pants and rubber boots during mixing/loading, application, clean-up and repair activities. Do not enter or allow workers to enter into treated areas until 24 hours after application.</p>	
DIRECTIONS FOR USE	
Crop - Disease	Method - Rate
Greenhouse Tomato – Powdery mildew	Apply 750 g per 1000 L water/ha; PHI 1 day; maximum of 10 applications per crop cycle. Apply weekly from onset of first symptoms and during conditions favouring disease; two applications may be sufficient to control each incidence of disease; may cause slight foliar phytotoxicity.

FOR CONTROL OF POWDERY MILDEW ON GREENHOUSE PEPPERS	
<p>NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS: The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Ultrasol Industries under the User Requested Minor Use Label Expansion program. For these uses, Ultrasol Industries has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.</p> <p>Wear goggles or a face shield, a NIOSH-approved respirator, chemical-resistant gloves, a hat, a long-sleeved shirt, long pants and rubber boots during mixing/loading, application, clean-up and repair activities. Do not enter or allow workers to enter into treated areas until 24 hours after application.</p>	
Directions For Use	
Crop - Disease	Method - Rate
Greenhouse peppers – Powdery mildew	Apply 543-760g per 1000 L water/ha; apply as required; do not exceed 10 applications per crop cycle; apply on a minimum of 14-day interval.

FOR CONTROL OF POWDERY MILDEW ON CANNABIS (MARIHUANA) PRODUCED COMMERCIALY INDOORS

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS: The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Ultrasol Industries under the User Requested Minor Use Label Expansion program. For these uses, Ultrasol Industries has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

Wear goggles or a face shield, a NIOSH-approved respirator, chemical-resistant gloves, a hat, a long-sleeved shirt, long pants and rubber boots during mixing/loading, application, clean-up and repair activities. Do not enter or allow workers to enter into treated areas until 24 hours after application.

Directions For Use	
Crop - Disease	Method - Rate
<i>Cannabis</i> (marihuana) produced commercially indoors - Powdery Mildew (<i>Sphaerotheca macularis</i>)	Apply 750 g per 1000 L water/ha; maximum of 10 applications per crop cycle. Apply weekly from onset of first symptoms and during conditions favouring disease; two applications may be sufficient to control each incidence of disease.

OPTIONAL MARKETING STATEMENTS

May be used on Cannabis (marihuana) produced commercially indoors to control powdery mildew

May be used on greenhouse tomatoes control powdery mildew

May be used on greenhouse peppers to control powdery mildew