

GROUP	M²	FUNGICIDE
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POLYRAM® DF

WATER-DISPERSIBLE GRANULAR FUNGICIDE

COMMERCIAL (AGRICULTURAL)

GUARANTEE: Metiram 80%

WARNING, contains the allergen soy

REGISTRATION NO.: 20087

PEST CONTROL PRODUCTS ACT

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673**

READ THE LABEL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN.

NET CONTENTS: 1 kg - 25 kg

BASF Canada Inc.
100 Milverton Drive
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Mississauga, Ontario
L5R 4H1
1-877-371-2273

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DIRECTIONS FOR USE

POLYRAM DF Water-Dispersible Granular Fungicide may be used in low volume or concentrate sprays by increasing the dosage to apply the same quantity of **POLYRAM DF Water-Dispersible Granular Fungicide** per hectare as would normally be applied when spraying dilute mixtures. Apply in sufficient water for thorough coverage of all plant parts; this volume depends on spray equipment and size of plants or trees.

CONSULT YOUR PROVINCIAL PRODUCTION GUIDE FOR RECOMMENDATIONS ON WATER VOLUME AND ADJUSTMENTS OF RATES ACCORDING TO TREE HEIGHTS.

POLYRAM DF Water-Dispersible Granular Fungicide Application Rate Table

CROP/DISEASE	RATE/METHOD
<p>APPLE Apple scab Cedar Apple Rust Apple Quince Rust</p>	<p>Apply 6.00 kg POLYRAM DF Water-Dispersible Granular Fungicide per hectare in regular protective schedule from Green Tip up to and including Second Cover Spray. After Second Cover Spray, reduce rate to 4.50 kg product per hectare if scab pressure is low in the orchard. Do not apply later than 45 days before harvest.</p>
<p>POLYRAM DF Water-Dispersible Granular Fungicide / NOVA® 40W TANK-MIX</p>	
<p>Apple Scab Powdery Mildew</p>	<p>Apply 3 kg POLYRAM DF Water-Dispersible Granular Fungicide and 0.34 kg of NOVA® 40W per hectare in a regular spray program, starting from Green Tip and continuing throughout the season. Use a maximum of 6 applications per growing season. Do not apply later than 45 days before harvest.</p>
<p>(Refer to NOVA® 40W label for precautions.)</p>	
<p>POTATO Early Blight Late Blight</p>	<p>Apply at 7-10 day intervals using 1.10 to 1.75 kg per hectare until plants cover the row. Then increase the rate to 2.25 kg per hectare until tops are killed or use 1.10 to 1.75 kg per hectare at 5-7 day intervals starting when plants are 15 cm high and continuing until top killing. When conditions (rain or dew) favour infections, use the shorter intervals in each case. For aircraft application, use 55 litres of water per hectare. May be applied up to the day before harvest.</p>
<p>TOMATO Early Blight Late Blight Gray Leaf spot</p> <p>Anthracnose <i>Septoria</i> Gray Leaf spot</p>	<p>Apply 2.25 kg per hectare when the first fruit has formed and repeat at intervals of 7-10 days. Apply every 7 days during weather favourable to disease or in case of severe disease outbreak. Do not apply later than 7 days before harvest.</p> <p>Apply 3.25 kg per hectare when first fruit has formed and repeat at intervals of 7 days. Do not apply later than 7 days before harvest.</p>

CROP/DISEASE	RATE/METHOD
ASPARAGUS Rust	Apply 2.25 to 3.25 kg per hectare after harvest when disease is first noticed. Make 4 applications at 7-10 day intervals. Do not apply to spears to be cut.
CARROT <i>Alternaria</i> Blight <i>Cercospora</i> Blight	Apply 2.25 kg per hectare when plants are 6 weeks old or when disease threatens; repeat treatment every 7-10 days. Do not use treated tops for feed or food. Do not apply later than 7 days before harvest.
CELERY Early Blight Late Blight	Apply 2.25 kg per hectare after transplanting and repeat at weekly intervals as needed. Increase the rate to 3.25 kg during periods of rain or heavy dew. Trim, strip and wash celery at harvest. Do not apply later than 14 days before harvest.
SUGAR BEETS <i>Cercospora</i> Leaf spot	Use 2.25 kg per hectare when disease is noticed. Repeat at regular intervals of 7-10 days depending on weather conditions. Do not apply later than 21 days before harvest. Do not use treated beet tops for feed or food purposes.
GRAPE Downy Mildew Black Rot	Apply 2 kg per 1000 litres of water. Apply in Pre-Bloom, Post-Bloom and First Cover Sprays. Do not make more than three applications per season. Do not apply later than 45 days before harvest.

NOTE: Do not apply by air, except for potato.

AERIAL APPLICATION (For Potatoes Only)

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specific buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in finer particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-877-371-BASF (2273) or obtain technical advice from the distributor or your provincial agricultural representative.

COMPATIBILITY

POLYRAM DF Water-Dispersible Granular Fungicide is compatible with most commonly used insecticides, adjuvants and fungicides, including Superior Oil. Mixtures of **POLYRAM DF Water-Dispersible Granular Fungicide** with Diazinon or Malathion should be prepared immediately prior to use and not allowed to stand in the spray tank. **POLYRAM DF Water-Dispersible Granular Fungicide** can be mixed with liquid fertilizers after a physical compatibility test has been conducted. Apply solution immediately after mixing. Opened bags should be sealed if stored until following season.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that **POLYRAM DF Water-Dispersible Granular Fungicide** contains a Group M² fungicide. Any fungal population may contain individuals naturally resistant to **POLYRAM DF Water-Dispersible Granular Fungicide** and other Group M² 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 **POLYRAM DF Water-Dispersible Granular Fungicide** or other Group M² 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 BASF at 1-877-371-2273.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally.
3. **POLYRAM DF Water-Dispersible Granular Fungicide** is a skin sensitizer. Avoid inhalation of vapour, dust, or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear protective equipment and clothing, including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long-sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separately from household laundry before re-use.
7. Clean spray equipment thoroughly after use.

8. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
9. Do not apply when environmental conditions may cause drift from treated area.

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.

CAUTION

POLYRAM DF Water-Dispersible Granular Fungicide is a skin sensitizer. Eye and skin contact should be avoided. When handling this product, wear adequate protective clothing and gloves.

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.

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.

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

TOXICOLOGICAL INFORMATION

Treat symptomatically.

STORAGE

1. Store in original, tightly-closed, container.
2. Do not ship or store near food, feed, seed, or fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

4. Herbicides should be shipped and stored separately from other pesticides to avoid cross-contamination.
5. Keep away from heat, fire or sparks. Do not allow product to become wet or overheated as this will reduce its effectiveness and may create flammable vapours.
6. Protect from freezing.

DISPOSAL

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions 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 the 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.

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