

**DANGER**  
KEEP OUT OF REACH OF CHILDREN  
READ LABEL BEFORE USE

# Polyram<sup>®</sup> DF

Protectant fungicide for the control of fungous diseases in  
apples, pears, and grapes.

Contains 700 g/kg metiram in the form of a water dispersible granule.  
Also contains 15 g/kg hexamethylenetetramine.

GROUP **M3** FUNGICIDE

Contents: 10 kg

Date of Manufacture:  
Batch Number:

Registered to and distributed by:  
**BASF New Zealand Limited**  
NZBN 9429032151299  
P.O. Box 407, Auckland 1140  
Phone: 0800 932 273  
[crop-solutions.basf.co.nz](http://crop-solutions.basf.co.nz)



® Registered Trademark of BASF



## DANGER

Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Hazardous to terrestrial vertebrates.

## PRECAUTIONS

**HANDLING:** The person mixing or applying this product must be a Qualified Contractor or Qualified Person. Any person mixing, loading, or handling this product must be a Qualified Loader. Wear protective gloves, protective clothing, eye, and face protection. Wash hands and face thoroughly after handling.

**STORAGE:** Store in original sealed bag in a dry, cool, well-ventilated place, out of direct sunlight, and away from food and animal feeds. Stores containing 100 kg or more of this product require emergency response plans and are subject to signage.

**TRANSPORT:** Do NOT carry more than 3 kg of this product on a passenger service vehicle.

**SPILLAGE:** Collect spillage. Prevent further spillage and product from entering waterways. Wear overalls, gloves, footwear, dust mask and goggles. Avoid dust formation. Sweep and shovel up spill and place in sealable container labelled for disposal. Wash affected area with water and detergent. Absorb and collect washings and place in the same sealable container as the spilled material. Dispose of the waste safely in a suitable landfill.

**PERSONAL PROTECTION:** When mixing and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, suitable protective gloves, and safety goggles. In case of inadequate ventilation wear respiratory protection. Refer to SDS for appropriate respiratory equipment.

**GENERAL SAFETY AND HYGIENE MEASURES:** Avoid contact with skin, eyes and clothing. Do NOT breathe dust or spray mist. Do NOT eat, drink or smoke while using this product. Remove protective clothing and wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing immediately after use and before reuse. Store work clothing separately. Contaminated work clothing should not be allowed out of the workplace.

**USE AND ENVIRONMENTAL PROTECTION:** Remove stock from target area. Apply with well-maintained and accurately calibrated equipment. DO NOT apply directly into or onto water. Take all reasonable steps to ensure the substance does not cause any significant adverse effects to the environment beyond the application area. Clean out application equipment thoroughly after use. Do NOT contaminate water when disposing of equipment wash waters. Harmful to terrestrial vertebrates.

**RECORD KEEPING:** Records of use must be kept if more than 3 kg is applied within 24 hours in a place where it is likely to enter air or water and leave the application area.

**NOTE:** Storage, application and record keeping should be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

**DISPOSAL:** Empty bag completely into the spray tank. Burn empty bag in a suitable incinerator if circumstances, especially wind direction, permit. Otherwise crush and bury in suitable landfill. Product: Dispose of this product only by using according to the label or at an approved landfill. Do NOT burn product.

## FIRST AID

**IF ON SKIN:** Remove contaminated clothing and wash skin with plenty of soap and water. Do NOT scrub the skin. If skin irritation or rash occurs, get medical advice/attention. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. **IF INHALED:** If breathing is difficult, remove to fresh air and keep at rest in a

position comfortable for breathing. If experiencing respiratory symptoms contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor. Get medical advice if you feel unwell. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor if you feel unwell.

#### MODE OF ACTION

POLYRAM DF kills the fungus after it has germinated from the spore and before it penetrates the plant. Once the fungus has established itself within the plant, like many other protectant fungicides, POLYRAM DF is ineffective.

#### RESISTANCE MANAGEMENT

POLYRAM DF contains metiram, a dithiocarbamate fungicide with a multi-site contact mode of action **GROUP M3 FUNGICIDE**. Resistance to this fungicide and related Group M3 fungicides could develop from excessive use. To minimise this risk, use strictly in accordance with the label instructions and resistance management strategies that exist for any fungus listed on the label. POLYRAM DF should be used in a programme that incorporates fungicides with different modes of action to that of Group M3 fungicides. Refer to the NZCPR web site < [www.resistance.nzpps.org](http://www.resistance.nzpps.org) > for more detailed information.

#### PHYTOTOXICITY

POLYRAM DF is generally safe on plants.

#### DIRECTIONS FOR USE

**It is an offence to use this product on animals.**

The rates suggested are for high volume spraying to run-off. For concentrate spraying adjust dilution rate accordingly. Application rate given in brackets for volumetric measure.

Crop	Disease	Application Rate	Remarks
Apples Pears	Black spot	100-150 g/100 litres (180-270 ml/100 litres)	Apply at the rate of 125-150 g/100 litres - commencing at tight cluster, repeat through full bloom and petal fall then continue on a schedule of 7-14 days until the end of November, when application rate may be reduced to 100-125 g/100 litres if dry weather occurs. When weather dictates either increase frequency or raise concentration.
Grapes	Black spot Downy mildew	200 g/100 litres (360 ml/100 litres)	Apply at bud burst and spraying at intervals of 7-14 days until the grapes change colour.

#### WITHHOLDING PERIOD

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.**

On pipfruit: DO NOT apply later than 14 days before harvest.

On grapes: DO NOT apply later than 28 days before harvest.

Consult with Pipfruit New Zealand for export market pipfruit.



### COMPATIBILITY

POLYRAM DF may be applied in combination with commonly used fungicides, including Blue Shield™, Kumulus® DF and Sercadis®, insecticides and miticides, with the plant growth regulator Regalis® Xtra, and Urea. POLYRAM DF is NOT compatible with sprays containing lime or spraying oil.

### MIXING

Half fill the spray tank with clean water and start the agitation. Remove the filter. Slowly pour the required quantity of POLYRAM DF into the tank. Replace the filter. Add the remainder of the water and continue agitation until spraying is completed. When tank mixes are to be used, each product should be added separately to the spray tank, taking due note of any instructions given as to the order of mixing.

### CONDITIONS OF SUPPLY

Read "Conditions of Supply" before buying and using. If these conditions are unacceptable, return at once unopened. All goods supplied by BASF New Zealand Limited are of a high grade and conform to the chemical description on the label. However, to the extent permitted by law, neither BASF New Zealand Limited nor any of its Distributors accept any responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with supply of those goods including without limitation their storage, application, handling or use. BASF New Zealand Limited, nor any of its Distributors, makes any warranties of any kind, expressed or implied, with respect to the fitness for purpose (including crop injury, ineffectiveness or any other unintended consequence), merchantable quality or any other matter with respect of these goods. When you are a consumer as defined in the Consumer Guarantees Act 1993 (the Act) these conditions will be subject to the provisions of the Act. However, the Act will not apply to goods supplied to you for business purposes.

Registered pursuant to the ACVM Act 1997, No. P002062.  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSNO Act 1996, Code HSR000482.  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

Date of Manufacture:  
Batch Number:

® Registered Trademark of BASF  
™ Trademark of AGRI-ESTRELLA CORPORATION  
© Copyright 2023, BASF New Zealand Limited

**EMERGENCY PHONELINK**  
24 Hour Advice in an Emergency Only  
**0800 944 955**

||||||| BAR CODE |||||

