

WARNING
KEEP OUT OF REACH OF CHILDREN
READ LABEL BEFORE USE

Kumulus[®] DF

Micro-Granular wettable sulphur fungicide spray

Contains 800 g/kg sulphur in the form of a water dispersible granule

GROUP **M2** FUNGICIDE

Contents: 15 kg



IIIIIIII BAR CODE IIIIIIIII

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



Barayan



WARNING

Causes skin irritation. Designed for biocidal action.

PRECAUTIONS

HANDLING: Wear protective gloves, protective clothing, eye and face protection. Wash hands and face thoroughly after handling.

STORAGE: Store in original container, tightly closed, in a dry, cool, well-ventilated place away from food and animal feeding stuffs. Avoid temperatures above 40° C.

SPILLAGE: Prevent further spillage and product from entering waterways. Wear overalls, gloves, footwear, goggles, and dust mask. Sweep and shovel up spill and place in sealable container labelled for disposal. Avoid dust formation. 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 suitable landfill.

PERSONAL PROTECTION: When mixing and preparing spray, cotton overalls buttoned to the neck and wrist, a washable hat, suitable gloves, goggles or a face shield.

GENERAL SAFETY AND HYGIENE MEASURES: Avoid contact with skin. DO NOT eat, drink, or smoke while using this product. Remove protective clothing and wash hands and exposed skin thoroughly with soap and water after handling. Take off contaminated clothing and wash before re-use. Store work clothing separately.

USE AND ENVIRONMENTAL PROTECTION: Apply with well-maintained and accurately calibrated equipment. DO NOT allow spray drift outside the target area to occur. Clean out application equipment thoroughly after use. 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. DO NOT contaminate water when disposing of equipment wash waters.

NOTE: Storage and application must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

DISPOSAL: Product: Dispose of this product only by using according to the label or at an approved landfill. DO NOT burn product. Recycle empty bag through Agrecovery (0800 247 326):

1. Cut along the top of your LDPE bag – cutting along the top makes it easier to remove any excess residue from the bag
2. Turn bag upside down and give it a good shake – ensure the bag is clean and free of residue, dirt and contamination both inside and out.
3. Put empty bag in Agrecovery liner supplied – liners will fit about 100 bags. When liner is full, seal it with the coded Agrecovery zip tie provided.
4. Drop full liner off at collection site – please visit the Agrecovery website (www.agrecovery.co.nz) for a list of sites in your region.

FIRST AID

IF ON SKIN: wash with plenty of soap and water. DO NOT scrub skin. If skin irritation occurs, get medical advice/ attention. For advice, contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor.



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Kumulus® DF by BASF

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 of the label. However, to the extent permitted by law, neither BASF nor any of its Distributors accept any liability or responsibility whatsoever for any loss, damage, or injury whether direct, indirect, or consequential howsoever arising in connection with the supply of those goods including without limitation their storage, application, handling, or use. BASF New Zealand Limited nor any of its Distributors, make no warranties of any kind, express or implied, with respect to fitness for purpose (including crop injury, ineffectiveness, or any other unintended consequence), merchantable quality or any other matter with respect to 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. P003493

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Code HSR000741

See www.epa.govt.nz for approval controls

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EMERGENCY PHONELINK
24 Hour Advice in an Emergency Only
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GENERAL INFORMATION

KUMULUS DF is a wettable sulphur formulation designed for maximum fungicidal effect and ease of handling. Sulphur is present in a range of fine particle sizes that provide good plant coverage, rapid action and persistence. The micro-granular formulation flows readily without forming dust and dissolves rapidly in water to form an easily maintained suspension. KUMULUS DF is a preventative fungicide, which is also active against some mite species, notably Erinose mite on grapevines.

RESISTANCE MANAGEMENT

KUMULUS DF contains sulphur, an inorganic fungicide with a multi-site contact mode of action **GROUP M2 FUNGICIDE**. Resistance to this fungicide and related Group M2 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. KUMULUS DF should be used in a programme that incorporates fungicides with different modes of action to that of Group M2 fungicides. Refer to the NZCPR web site < www.resistance.nzpps.org > for more detailed information.

DIRECTIONS FOR USE

It is an offence to use this product on animals.



Crop	Pest/Diseases	Rate	Remarks
Apples	Powdery Mildew	100 – 200 g per 100 litres	May be applied from bud movement to harvest, however, use before December may affect fruit finish. DO NOT apply in mixture with captan. DO NOT apply to sulphur sensitive varieties e.g. Kidds Orange Red, Cox's Orange Pippin or Red Delicious. DO NOT apply in temperatures above 25 degrees Celsius. DO NOT apply to pears.
Grapes	Powdery Mildew	150 – 300 g per 100 litres	Apply at bud swell and repeat at 10 -14 day intervals as required. Use the higher rates when disease is evident. Erineum mites will also be controlled.
Peas	Powdery Mildew	100 – 200 g per 100 litres	Apply when conditions favour disease and repeat as necessary. Use the higher rate where infection has already occurred.
Peaches Plums Nectarines	Rust	100 – 200 g per 100 litres	Apply at fruit set and repeat at 21 day intervals until harvest. Use the higher rate when conditions favour disease. DO NOT apply to apricots.
Roses	Powdery Mildew	200 – 300 g per 100 litres	Apply on a 14 day schedule using the higher rate during periods of severe disease pressure. DO NOT use in mixture with maldison.
Tamarillos	Powdery Mildew	100 – 200 g per 100 litres	Apply on a regular 10 -14 day schedule throughout the growing season.

Vegetables	Powdery Mildew	100 – 300 g per 100 litres or 2–3 kg/ha	Apply at 10 -14 day intervals during periods that favour infection. Use the high rate when infection pressure is high.
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WITHHOLDING PERIODS

All crops: 1 day
Avoid visible residues.

COMPATIBILITY

KUMULUS DF is compatible with most insecticides, fungicides, and foliar fertilisers. DO NOT use in mixtures with captan or maldison. KUMULUS DF is NOT compatible with spraying oils or formulations containing mineral oils. DO NOT apply within 3 weeks of an oil spray.

MIXING

In spray tanks with modern venturi and mechanical agitation systems, ¾ fill the tank with water then add the required amount of KUMULUS DF directly into the spray tank with agitators running. In spray tanks with less effective bypass agitation, KUMULUS DF should be pre-mixed with water in a bucket before adding to the partly filled spray tank. When used in mixtures pre-dilute the additive product prior to its addition to the spray tank. With agitators running, first add KUMULUS DF then the additive product. Use immediately.

