

SPECIMEN LABEL

WARNING

KEEP OUT OF REACH OF CHILDREN
READ THE LABEL COMPLETELY BEFORE OPENING OR USING

Kumulus® DF

Micro-Granular wettable sulphur fungicide spray

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

GROUP **M2** FUNGICIDE



15 kg

IIIIIIII BAR CODE IIIIIIIII

Registered to and distributed by:
BASF New Zealand Limited
P.O. Box 407, Auckland 1140
Phone: 0800 932 273
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 **BASF**
We create chemistry

Hazard Classification

6.4A, 9.1D

WARNING

HARMFUL. May cause eye irritation.

Designed for biocidal action against plant pathogenic fungi.

PRECAUTIONS

Keep out of reach of children.

STORAGE: Store in original container, tightly closed, in a locked, dry, cool, well-ventilated place away from food and animal feeding stuffs. Avoid temperatures above 40° C. When stored appropriately this product should show no significant degradation for 5 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

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, wear cotton overalls buttoned to the neck and wrist, a washable hat, suitable gloves, and goggles or a face shield.

GENERAL SAFETY AND HYGIENE MEASURES: Avoid contact with eyes. 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. Store work clothing separately.

USE: 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.

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

DISPOSAL: Container: Empty bag into the spray tank. Crush and 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 SWALLOWED: Do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Do NOT scrub skin. **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.

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.

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
0800 944 955

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.nzpps.org/resistance/index.php) for more detailed information.

It is an offence to use this product on animals.

DIRECTIONS FOR USE

The rates suggested are for high volume spraying to run-off. For concentrate spraying adjust dilution rates accordingly.

Crop	Pest/Disease	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.

WITHHOLDING PERIODS

Nil days all crops. 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, $\frac{3}{4}$ 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.