

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Apparent



Sulfur 800 WG

FUNGICIDE AND MITICIDE

ACTIVE CONSTITUENT: 800 g/kg SULPHUR (S)
present as Wettable Sulphur

GROUP M2 FUNGICIDE

For the control of certain fungal diseases in grape vines, ornamentals, pome and stone fruit and vegetables and for control of mites in citrus, grape vines, ornamentals and vegetables and white louse scale in citrus as per the Directions for Use table.
IMPORTANT: Read this leaflet before use.

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DIRECTIONS FOR USE

Restraints:

DO NOT apply within 3 weeks of an oil spray or mix with oils or formulation containing mineral oil except to deciduous fruit in the dormant period.

DO NOT use in hot weather on sulphur sensitive crops.

TREE AND VINE CROPS

RATE				CRITICAL COMMENTS
In the following table all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section.				
CROP	DISEASE/PEST	STATE	RATE/ 100 L	
Citrus	Citrus Rust Mite, Brown Citrus Rust Mite, Bud Mite, Moss, Lichens	QLD, NSW, VIC, SA, WA only	400 to 500 g	For all uses in this table: Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Apply during July to August. Leave at least 3 weeks between sprays of oil and product. In NSW, when applied late August will assist control. May be added to copper spray at petal fall or applied separately during Spring or Autumn..
	Melanose			
	White Louse Scale	NSW, WA only	200 to 300 g	
Grapes - Table grapes, fruit destined for drying	Vine Mite, Grapeleaf Blister Mite	NSW, VIC, TAS, SA, WA only	500 g	Apply before sprouting. Ensure thorough coverage.
	Vine Mite	QLD only		
Grape Vines – Wine grapes only	Powdery Mildew (<i>Oidium</i> spp.), Mites	NSW, VIC, TAS, SA, WA only	100 to 200 g	Apply immediately after budburst, then every 2 to 3 weeks or as required. Ensure thorough coverage.
	Vine Mite, Grapeleaf Blister Mite	NSW, VIC, TAS, SA, WA only	500 g	Apply before sprouting. Ensure thorough coverage.
	Vine Mite	QLD only		
	Powdery Mildew (<i>Oidium</i> spp.), Mites	NSW, VIC, TAS, SA, WA only	200 to 600 g	Use rates to the upper end of the rate when disease pressure is high and/or a higher degree of control is required. Apply immediately after budburst, then every 14 to 21 days or as required. Crop phytotoxicity occurs during hot or humid conditions or when the target crop is suffering from moisture stress. DO NOT apply during the heat of the day. Use rates to the lower end of the rate range when warm conditions are present at and immediately after application. Ensure thorough coverage.
Kiwifruit	Two-spotted Mite (<i>Tetranychus urticae</i>)	NSW, WA only	150 to 200 g	Spray only when pest is present. Repeat application only when necessary. DO NOT apply during hot weather.
Mangosteens	Powdery Mildew, Mites	ALL STATES	400 g	Apply as a foliar spray. Spray when pests or disease are present. Repeat application only when necessary. Do not apply during hot weather

CROP	DISEASE/PEST	STATE	RATE/ 100 L	CRITICAL COMMENTS
Stone Fruit (except apricots)	Rust (<i>Tranzschelia discolor</i>)	NSW, VIC, TAS, SA, WA only	200 g	Apply about 4 weeks after petal fall or at petal fall (in Qld only) and at intervals of 3-4 weeks until mid-late January.
		QLD only	350 g	Use the lower rate for greater incidence of disease.
	Brown Rot (fruit) (<i>Monilinia fructicola</i>), Blossom Blight (<i>Monolinia laxa</i>)	NSW, VIC, TAS, SA only	200 g	Apply 4 weeks after petal fall then as cover sprays.
Pome Fruit		QLD only	350 g	
	Powdery Mildew (<i>Podosphaera leucotricha</i>)	ALL STATES	400 g	Apply at least 2 sprays before blossom.
	Powdery Mildew (<i>Podosphaera leucotricha</i>)	NSW, VIC, TAS, SA, WA only	200 to 300 g	Apply fortnightly after blossom. Use the lower rate if weather is hot and spraying non-sensitive varieties. DO NOT use on sulphur sensitive apple and pear varieties in hot weather. Also suppresses mite development.
		QLD only	350 g	
	Black Spot (Scab) (<i>Venturia</i> spp.)	VIC, TAS, SA only	200 g	Apply at pink bud, petal fall and then at intervals at 2-3 weeks. DO NOT use on sulphur sensitive apple or pear varieties in hot weather. Also suppresses mite development.
Rambutans	Powdery Mildew (<i>Oidium</i> spp.) Mites	ALL STATES	400 g	Apply as a foliar spray. Spray when pests or disease are present. Repeat application only when necessary. DO NOT apply during hot weather.

OTHER CROPS

CROP	DISEASE/PEST	STATE	RATE/ 100 L	CRITICAL COMMENTS
Vegetables (NOT cucumbers and rockmelons)	Bean Spider Mite (<i>Tetranychus iudeni</i>), Powdery Mildew, Rust (<i>Uromyces</i> spp.), Tomato Russet Mite (<i>Aculops lycopersici</i>), Two-spotted Mite (<i>Tetranychus urticae</i>)	VIC, TAS, SA, WA only	200 g	Apply when pest or disease first seen and repeat as necessary. Crop phytotoxicity may occur when applications occur during hot conditions. DO NOT apply during the heat of the day.
	Bean Rust, Bean Spider Mite, Powdery Mildew, Rust (<i>Uromyces</i> spp.), Tomato Russet Mite	NSW only		
	Bean Rust, Powdery Mildew, Rust (<i>Uromyces</i> spp.), Tomato Russet Mite	QLD only	300 g	
Ornamentals		VIC, TAS, SA, WA only	200 g	Apply when pest or disease first seen and repeat every 10 to 21 days.
	Powdery Mildew, Two-spotted Mite	QLD only	350 g	
	Powdery Mildew	NSW only	200 g	
Strawberries	Powdery Mildew	NSW, WA only	200 to 300 g	Apply when disease is first noticed then at 10 to 14 day intervals during humid weather.

FIELD CROPS

CROP	DISEASE/PEST	STATE	RATE PER HA	CRITICAL COMMENTS
Tomatoes for processing	Bean Spider Mite (<i>Tetranychus iudeni</i>), Bean Rust (<i>Uromyces</i> spp.), Powdery Mildew, Tomato Russet Mite (<i>Aculops lycopersici</i>), Two-spotted Mite (<i>Tetranychus urticae</i>)	VIC, TAS, SA, WA only	2 kg	Apply when pest or disease first seen and repeat as necessary. Crop phytotoxicity may occur when applications occur during hot conditions. DO NOT apply during the heat of the day.
	Bean Spider Mite (<i>Tetranychus iudeni</i>), Bean Rust (<i>Uromyces</i> spp.), Powdery Mildew, Tomato Russet Mite (<i>Aculops lycopersici</i>),	NSW only		

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.
WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.**

GENERAL INSTRUCTIONS

Apparent Sulfur 800 WG Fungicide and Miticide acts as a protectant and must be applied before disease infection occurs. Good spray coverage is therefore essential.

RAINFALL

Rain within 3 hours following treatment may reduce effectiveness. Earlier re-treatment should be considered following sufficient rain.

MIXING

Partially fill the spray vat to about one quarter capacity and start vigorous agitation. Slowly add the required amount of Apparent Sulfur 800 WG Fungicide and Miticide while continuing to fill the vat. DO NOT pre-mix Apparent Sulfur 800 WG Fungicide and Miticide. Maintain agitation at all times. Other water dispersible granules can be added in the same way but wettable powders must be premixed with water before being slowly added to the vat as slurry. Complete addition and mixing of Apparent Sulfur 800 WG Fungicide and Miticide before adding emulsifiable concentrates (EC) or suspension concentrates (SC). DO NOT leave unused spray in the vat overnight. If leaves and fruit are hairy or waxy, or where the water is hard, add a non-ionic wetting agent at label recommendations for the product.

COMPATIBILITY

Apparent Sulfur 800 WG Fungicide and Miticide may be tank mixed with most other insecticides, fungicides and foliar fertilisers. DO NOT mix with spraying oil or any formulation containing mineral oil. As formulations are subject to change, always check the compatibility of mixes at the intended use ratios in a small container prior to use. The use of any mixture is entirely at the user's risk.

FUNGICIDE RESISTANCE WARNING

GROUP **M2** FUNGICIDE

Apparent Sulfur 800 WG Fungicide and Miticide is a Group M2 fungicide. Some naturally occurring individual fungi resistant to Apparent Sulfur 800 WG Fungicide and Miticide and other Group M2 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Apparent Sulfur 800 WG Fungicide and Miticide and other Group M2 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Apparent Pty Ltd accepts no liability for any losses that may result from the failure of Apparent Sulfur 800 WG Fungicide and Miticide to control resistant fungi.

APPLICATION

Dilute Spraying:

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying:

Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (see dilute spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way: EXAMPLE ONLY:

- Dilute spray volume as determined above: For example 2000 L/ha
- Your chosen concentrate spray volume: For example 500 L/ha
- The concentration factor in this example is: 4 x (ie 2000 L÷ 500 L = 4)
- If the dilute label rate is 200, then the concentrate rate becomes 4 x 200, that is 800 g of concentrate spray.

The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. For further information on concentrate spraying, users are advised to consult the relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Crop Caution: Some fruits and plants are susceptible to injury from sulphur under certain climatic conditions. DO NOT use sulphur on any crop unless proven that it is safe in the locality. Avoid spraying under hot dry conditions above 25°C or under extremes of humidity or temperature. May injure crops grown under glass or when applied during periods of rapid growth. DO NOT spray cucumbers, rockmelons, apricots, raspberries, sulphur sensitive apple and pear varieties and other sulphur sensitive plants. Reduce the dosage to avoid scorching during hot dry months.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. DO NOT store near foodstuffs. Shake bag contents into spray tank until the bag is empty. DO NOT dispose of undiluted chemicals on-site. Puncture or shred and bury empty containers in local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty bags and product should not be burnt.

SAFETY DIRECTIONS

Avoid skin contact and inhalation of spray mist.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

MSDS

Additional information is listed in the Material Safety Data Sheet (MSDS) which is available from the supplier.

CONDITIONS OF SALE:

The use of Apparent Sulfur 800 WG Fungicide and Miticide being beyond the control of the manufacturer no warranty expressed or implied is given by Apparent Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Apparent Pty Ltd accepts with no responsibility for any consequence whatsoever resulting from the use of this product.