

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Arysta LifeScience

Sulphur-WG

FUNGICIDE/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 CROPS AND VINES

CROP	DISEASE / PEST	STATE	RATE/100L	CRITICAL COMMENTS
Rate In the following table all rates given are for dilute spraying. For concentrate spraying, refer to the Application Section				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.
Citrus	Citrus Rust Mite Brown Citrus Rust Mite Bud Mite, Moss, Lichens	Qld, NSW, Vic, SA, WA only	400 to 500g	Apply during July to August. Leave at least 3 weeks between sprays of oil and product.
	Melanose			In NSW, when applied late August will assist control.
	White Louse Scale	NSW, WA only	200 to 300g	May be added to copper spray at petal fall or applied separately during Spring or Autumn.
Grapes Table grapes, fruit destined for drying	Vine Mite, Grapeleaf Blister Mite	NSW, Vic, Tas, SA, WA only	500g	Apply before sprouting. Ensure thorough coverage.
	Vine Mite	Qld only		
	Powdery Mildew (<i>Oidium spp.</i>), Mites	NSW, Vic, Tas, SA, WA only	100 to 200g	Apply immediately after budburst, then every 2 to 3 weeks or as required. Ensure thorough coverage.
Grapes Vines Wine grapes only	Vine Mite, Grapeleaf Blister Mite	NSW, Vic, Tas, SA, WA only	500g	Apply before sprouting. Ensure thorough coverage.
	Vine Mite	Qld only		
	Powdery Mildew (<i>Oidium spp.</i>), Mites	NSW, Vic, Tas, SA, WA only	200 to 600g	Use rates to the upper end of the rate range 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 may occur when application 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>)	WA, NSW only	150 to 200g	Spray only when pest is present. Repeat application only when necessary. DO NOT apply during hot weather.
Mango-steens	Powdery Mildew, Mites	All States	400g	Apply as a foliar spray. Spray when pests or disease are present. Repeat application only when necessary. DO NOT apply during hot weather.
Stone fruit (except apricots)	Rust (<i>Tranzschelia discolor</i>)	NSW, Vic, SA, WA, Tas. only	200g	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. Use the higher rate for greater incidence of disease.
		Qld only	350g	
	Brown Rot (fruit) (<i>Monilinia fructicola</i>) Blossom Blight (<i>Monilinia laxa</i>)	NSW, Vic, SA, Tas. only	200g	Apply 4 weeks after petal fall then as cover sprays.
		Qld. only	350g	Apply at petal fall only.
Pome fruit	Powdery Mildew (<i>Podosphaera leucotricha</i>)	All States	400g	Apply at least 2 sprays before blossom.
		NSW, Vic, SA, WA, Tas. only	200 to 300g	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.
	Powdery Mildew (<i>Podosphaera leucotricha</i>)	Qld. only	350g	
	Black spot (scab) (<i>Venturia spp.</i>)	Vic, SA, Tas. only	200g	Apply at pink bud, petal fall and then at intervals at 2-3 weeks. DO NOT use on sulphur sensitive apple and pear varieties in hot weather. Also suppresses mite development.
Rambutans	Powdery Mildew (<i>Oidium spp.</i>), Mites	All States	400g	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 /100L	CRITICAL COMMENTS
Vegetables (NOT cucumbers and rockmelons)	Powdery mildew, Rust (<i>Uromyces sp.</i>), Tomato russet mite (<i>Aculops lycopersici</i>), Bean spider mite (<i>Tetranychus ludeni</i>), Two-spotted mite (<i>Tetranychus urticae</i>)	SA, Vic, WA, Tas. only	200g	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.
	Powdery mildew, Rust (<i>Uromyces sp.</i>), Bean Rust, Tomato Russet Mite, Bean Spider Mite	NSW only		
	Powdery mildew, Rust (<i>Uromyces sp.</i>), Bean Rust, Tomato Russet Mite	Qld only	300g	
Ornamentals	Powdery mildew, Two-spotted mite	SA, Vic, WA, Tas. only	200g	Apply when pest or disease first seen and repeat every 10 to 21 days.
		Qld only	350g	
	Powdery mildew	NSW only	200g	
Strawberries	Powdery mildew	NSW, WA only	200 to 300g	Apply when the disease is first noticed then at 10 to 14 day intervals during humid weather.

FIELD CROPS

CROP	DISEASE / PEST	STATE	RATE per HECTARE	CRITICAL COMMENTS
Tomatoes for processing	Powdery mildew, Bean rust, (<i>Uromyces sp.</i>), Tomato russet mite (<i>Aculops lycopersici</i>), Bean spider mite (<i>Tetranychus ludeni</i>), Two-spotted mite (<i>Tetranychus urticae</i>)	SA, Vic, WA, Tas. only	2kg/ha	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.
	Powdery mildew, Bean rust, (<i>Uromyces sp.</i>), Tomato russet mite (<i>Aculops lycopersici</i>), Bean spider mite (<i>Tetranychus ludeni</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:

SULPHUR-WG acts as a protectant and must be applied before disease infection occurs. Good spray coverage is therefore essential.

APPLICATION: TREE CROPS AND VINES

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 the 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 Direction for Use table for each 100L 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 and 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 2,000L/ha.
- Your chosen concentrate spray volume: for example 500L/ha.
- The concentration factor in this example is: $4 \times (2,000L \div 500L = 4)$
- If the dilute label rate is 200g, then the concentrate rate becomes 4×200 , that is 800g of concentrate spray.

The chosen spray volume, amount of product per 100L 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 relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

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

MIXING: Partially fill the spray vat to about one quarter capacity and start vigorous agitation. Slowly add the required amount of SULPHUR-WG while continuing to fill the vat. Do not pre mix SULPHUR-WG. 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 SULPHUR-WG 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: SULPHUR-WG 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

For fungicide resistance management SULPHUR-WG is a Group M2 fungicide.

Some naturally occurring individual fungi resistant to SULPHUR-WG and other Group M2 fungicides may exist through normal genetic variability in any fungal population. The resistant individual can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by SULPHUR-WG 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, Arysta LifeScience Australia Pty Ltd accepts no liability for any losses that may result from the failure of SULPHUR-WG to control resistant fungi.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT:

DO NOT contaminate dams, ponds, waterways or drains with the chemical or used containers.

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.

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 and empty contents into spray tank/water/dip/drench, etc. Do not dispose of undiluted chemicals on site. Break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

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.

MATERIAL SAFETY DATA SHEET: For additional information, refer to MSDS.

CONDITIONS OF SALE:

Arysta LifeScience Australia Pty Ltd shall not be liable for any loss on connection with supply or use of these goods other than loss which results in liability under any warranties, terms and conditions mandatorily imposed by statutes applicable to the sale or supply of these goods in Australia. To the extent allowed by such statutes, the liability of Arysta LifeScience Australia Pty Ltd shall be limited to: replacement of the goods or the supply of equivalent goods and payment of the cost of replacing the goods or of acquiring equivalent goods.