

SOLO[®] 800WG Fungicide and Miticide

ACTIVE CONSTITUENT: 800 g/kg SULPHUR (S)

GROUP	M2	FUNGICIDE
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For the control of certain fungal diseases and mites in grapevines and other crops as per the DIRECTIONS FOR USE table.

READ COMPLETE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT

Nufarm Australia Limited
ACN 004 377 780
103-105 Pipe Road, Laverton North Victoria 3026
Tel: (03) 9282 1000
nufarm.com.au

APVMA Approval No.: 70314/110082

DIRECTIONS FOR USE:

RESTRAINTS:

DO NOT apply within 3 weeks of an oil spray except when mixing canola oil as a woolly bud spray on grapevines.

DO NOT apply product in combination with spraying oils except to deciduous fruit in dormant period.

DO NOT use on grapevines when both temperature exceeds 30° C and relative humidity exceeds 75% and other crops when temperature exceeds 24° C.

TREE AND VINE CROPS				
RATE				CRITICAL COMMENTS
In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Application section				
CROP	PEST/DISEASE	STATE	RATE	
Citrus	Citrus rust mite (<i>Phyllocoptruta oleivora</i>), brown citrus rust mite (<i>Tegolophus australis</i>), citrus bud mite (<i>Eriophyes sheldoni</i>), moss, lichens	Qld, NSW, Vic, SA, WA only	400-500g/100L	Spray July to August with thorough coverage. DO NOT use on citrus in hot weather. Use the higher rates for heavy infestations. Leave at least 3weeks between sprays of oil and product.
	Citrus bud mite (<i>Eriophyes sheldoni</i>)	Tas only	200-300g/100L	
	Melanose	NSW, WA only		In NSW, application will assist in control.
	White louse scale (<i>Unaspis citri</i>)			May be added to copper spray at petal fall or applied separately during spring or autumn. Use the higher rates for heavy infestations.

TREE AND VINE CROPS			
RATE			CRITICAL COMMENTS
CROP	PEST/DISEASE	STATE	
In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Application section			<p>For all tree and vine crop uses in this table:</p> <p><u>Apply by dilute or concentrate spraying equipment except where stated otherwise.</u> Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods</p>
Grapevines	Rust mite (<i>Calepitrimerus vitis</i>)	All states	<p>600g/L</p> <p>Apply as a dilute spray in mixture with canola oil (eg. Supastik at 2L/100L) between budswell and mid-late woolly bud stage or apply alone between woolly bud and soon after budburst. These treatments will be less effective and may be phytotoxic if applied as concentrate sprays and should be applied in a dilute spray volume that results in visible wetting of the buds, canes and cordons when the temperature is at least 15°C during application and for several hours afterwards. The wood on crowns, cordons and canes should be thoroughly wet with this application.</p> <p>DO NOT apply in mixture with canola oil after woolly bud stage as crop phytotoxicity will occur.</p> <p>^High rates of wettable sulphur are detrimental to some natural enemies of pests especially parasitoids of Mealy bug and Light Brown Apple Moth.</p>
	Bud mite and Grape leaf blister mite, (<i>Colomerus vitis</i>)		<p>200g/100L</p> <p>Apply as a dilute spray between 100% budburst on the basal nodes and 1 week later. This treatment will be less effective if applied as a concentrate spray and should only be applied in a dilute spray volume that results in visible wetting of the buds, canes and cordons when the temperature is at least 15°C during application and for several hours afterwards. During Summer, build up of blister mites may be checked by sulphur sprays for powdery mildew, but the early budburst spray is very important for bud mite control.</p>
	Powdery mildew (<i>Uncinula necator</i>)		<p>200-600g/100L^</p> <p>Only use higher rates at the beginning of the season when temperatures are lower (15-20°C at application). Temperatures should be at least 15°C during application and for several hours afterwards to achieve effective control. Thorough coverage is required to provide effective control.</p> <p>DO NOT apply when both temperature exceeds 30°C and relative humidity exceeds 75% as crop phytotoxicity may occur.</p> <p>Commence application at 2 weeks after budburst with further sprays applied at 4 and 6-7 weeks after budburst. In cool climates where early growth of vines is slow, the first spray may be applied later than 2 weeks after budburst and the spray interval may be extended provided 3 sprays are applied between budburst and flowering. Further applications will be required at 2-3 week intervals (depending on the growth rate of vines) up to berry softening, where disease pressure is moderate to high and/or susceptible</p>

TREE AND VINE CROPS				
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In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Application section				<p>For all tree and vine crop uses in this table:</p> <p><u>Apply by dilute or concentrate spraying equipment except where stated otherwise.</u> Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods</p>
				<p>varieties are being treated. Use in a program with other fungicides registered for powdery mildew control with different modes of action, will provide better powdery mildew control than continuous sprays of SOLO 800WG alone.</p> <p>Note: SOLO 800WG may be combined with a registered copper fungicide for control of both powdery and downy mildew.</p> <p>^High rates of wettable sulphur are detrimental to some natural enemies of pests especially parasitoids of Mealy bug and Light Brown Apple Moth.</p>
Kiwifruit	Twospotted mite (<i>Tetranychus urticae</i>)	NSW, WA only	150-200g/100L	Spray only when pest is present. Repeat application only when necessary. DO NOT apply during hot weather.
Mangosteen	Powdery mildew, mites	All states	400g/100L	Apply as a foliar spray. Spray when pests are present. Repeat applications only when necessary. DO NOT apply during hot weather.
Pome fruit	Powdery mildew (<i>Podosphaera eucotricha</i>)	All States	400g/100L	Apply at least 2 sprays before blossom.
		NSW, Vic, Tas, SA, WA only	200-300g/100L	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	350g/100L	
	Black spot (scab) (<i>Venturia</i> spp.)	Vic, Tas, SA only	200g/100L	Apply at pink bud, petal fall and then at intervals of 2 to 3 weeks. DO NOT use on sulphur-sensitive apple and pear varieties in hot weather. Also suppresses mite development.
Qld only	350g/100L			
Rambutan	Powdery mildew, mites	All states	400g/100L	Apply as a foliar spray. Spray when pests are present. Repeat applications only when necessary. DO NOT apply during hot weather.
Stone fruit (except apricots)	Rust (<i>Tranzschelia discolor</i>)	NSW, Vic, Tas, SA, WA only	200-300g/100L	Apply about 4 weeks after petal fall or at petal fall (in Qld only) and at intervals of 3 to 4 weeks until mid to late January. Use the higher rate when disease incidence is high.
		Qld only	350g/100L	
	Brown rot (fruit) (<i>Monilinia fructicola</i>)	NSW, Vic, Tas, SA, WA only	200-300g/100L	Apply 4 weeks after petal fall then as cover sprays.
		Qld only	350g/100L	Apply at petal fall only.

TREE AND VINE CROPS				
CROP	PEST/DISEASE	STATE	RATE	CRITICAL COMMENTS
Ornamentals	Powdery mildew, twospotted mite (<i>Tetranychus urticae</i>)	Vic, Tas, SA, WA only	200g/100L	Apply when pest or disease is first seen and repeat every 10 to 21 days.
		Qld only	350g/100L	
	Powdery mildew	NSW only	200g/100L	
Strawberries	Powdery mildew	NSW, WA only	200-300g/100L	Apply when the disease is first noted, then at 10 to 14 day intervals during humid weather.
Tomatoes for processing	Powdery mildew, bean rust, tomato russet mite, bean spider mite, twospotted mite	Vic, Tas, SA, WA only	2kg/ha	Apply when pest or disease is 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, tomato russet mite, bean spider mite,	NSW only		
Vegetables (NOT cucumbers or rock-melons)	Powdery mildew, rust (<i>Uromyces</i> spp.), tomato russet mite, (<i>Aculops lycopersici</i>), bean spider mite (<i>Tetranychus ludeni</i>)	Vic, Tas, SA, WA only	200-300g/100L	Apply when pest or disease is first seen and repeat every 14 to 21 days. Use the higher rate in crops with a large leaf cover or when conditions favour disease and/or mite development. DO NOT apply during the heat of the day.
		NSW only	200g/100L	
	Twospotted mite (<i>Tetranychus urticae</i>)	Vic, Tas, SA, WA only	200-300g/100L	
	Powdery mildew, rust (<i>Uromyces</i> spp.), tomato russet mite	Qld only	350g/100L	

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIODS: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

FUNGICIDE RESISTANCE WARNING

GROUP	M2	FUNGICIDE
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SOLO 800WG is a member of the multi-site activity group of fungicides. For fungicide resistance management SOLO 800WG is a Group M2 fungicide. Some naturally occurring individual fungi resistant to SOLO 800WG and other Group M2 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by SOLO 800WG 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, Nufarm Australia Limited accepts no liability for any losses that may result from the failure of SOLO 800WG to control resistant fungi.

MIXING

Slowly pour the SOLO 800WG into the spray tank three-quarters filled with water, with the agitation system actively moving. Alternatively, premix in a bucket, by adding to the SOLO 800WG a quantity of water of at least half the volume of the SOLO 800WG, and stir immediately. Add this mixture to the bulk of the water in the spray vat with agitation running. If tank mixing with another product, always add SOLO 800WG to the spray tank first. Tank mixtures containing SOLO 800WG should not be left overnight before use. Apply spray mix immediately to avoid settling.

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 Directions 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 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 1500L/ha

Your chosen concentrate spray volume:

For example 500L/ha

The concentration factor in this example is: $3 \times$ (i.e. $1500L \div 500L = 3$)

At the dilute label rate of 200g/100L, then the concentrate rate becomes 3×200 , that is 600g/100L 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.

WETTING AGENT

If leaves and fruit are hairy or waxy, or where the water is hard, add a non-ionic wetting agent eg. Crop Care Shirwet® 600 Spray Activator Wetting and Spreading Agent, at the approved label rate.

COMPATIBILITY

Avoid combinations with emulsion or miscible oils on tender crops. SOLO 800WG is compatible with most insecticides, fungicides and foliar fertilizers.

RE-ENTRY PERIOD

SOLO 800WG is of low toxicity and irritancy, and therefore no specific requirements for re-entry into treated areas are indicated.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

DO NOT spray cucumbers, rockmelons or apricots as these plants exhibit low tolerance to sulphur. Where there is a range of rates, apply the lower rate during the hot dry months to avoid scorching.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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



spraywisedecisions.com.au is an online weather forecasting program and is recommended for use when planning your pesticide application.

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. The special formulation of SOLO 800WG requires that the bag is kept sealed to prevent deterioration. Single rinse before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, 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.

FIRST AID

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

ADDITIONAL STATEMENTS (WHS REGULATIONS 2011)

Not required - product not classified as hazardous under GHS criteria.

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS), which can be obtained from your supplier or from the Nufarm website – nufarm.com.au

In case of emergency: Phone 1800 033 498 Ask for shift supervisor. Toll free 24 hours.

CONDITIONS OF SALE

"Any provisions or rights under the Competition and Consumer Act 2010 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded. Nufarm Australia Limited and/or its affiliates ("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute."

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SOLO[®]800WG Fungicide and Miticide

ACTIVE CONSTITUENT: 800 g/kg SULPHUR (S)

GROUP	M2	FUNGICIDE
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For the control of certain fungal diseases and mites in grapevines and other crops as per the DIRECTIONS FOR USE table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT

Nufarm Australia Limited
ACN 004 377 780
103-105 Pipe Road, Laverton North Victoria 3026
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APVMA Approval No.: 70314/ 110082

Contents: 15kg
25kg

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BN / DOM / Barcode / 15kg, 25kg

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