



Company Name: SULPHUR MILLS AUSTRALIA PTY LIMITED
Product Name: UNICORN 745 WG FUNGICIDE

Product ID: 65599/100227

Label Name:	UNICORN 745 WG FUNGICIDE
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	700 g/kg SULPHUR 45 g/kg TEBUCONAZOLE
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Mode of Action:	<table border="1"><tr><td>GROUP</td><td>3</td><td>M2</td><td>FUNGICIDE</td></tr></table>	GROUP	3	M2	FUNGICIDE
GROUP	3	M2	FUNGICIDE		

Statement of Claims:	For the control of foliar diseases on cereal crops; and grapevines as per directions for use
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Net Contents:	10kg 15kg 1kg 20kg 25kg 2kg 500g 5kg
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Restrictions:	DO NOT apply by aircraft DO NOT apply using equipment carried on the back of the user Spray Drift Restraints DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site DO NOT apply spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacture specifications that refer to the ASAE S572 Standard or the BCPC Guideline, except when applying with orchard airblast equipment. MANDATORY NO-SPRAY ZONE Ground Application
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	<p>Aquatic environment DO NOT apply if there are aquatic or wetland areas including aqua cultural ponds within 5 m downwind from the application area.</p>
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Directions for Use:	<p>see attachment</p> <p>This section contains file attachment. File Name: DIRECTIONS FOR USE UNICORN.docx File Size: 17133 bytes</p>
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Other Limitations:	
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Withholding Periods:	<p>WITHHOLDING PERIODS</p> <p>Harvest: Cereals: DO NOT HARVEST FOR 5 WEEKS AFTER APPLICATION. Grapes: DO NOT HARVEST FOR 8 WEEKS AFTER APPLICATION</p> <p>Grazing: Cereals: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION Grapes: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION</p>
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Trade Advice:	
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General Instructions:	<p>GENERAL INSTRUCTIONS</p> <p>Foliar diseases on cereal crops Do not apply to cereal crops more than once per season (2.75 kg/ha rate) or more than twice per season (1.37 kg/ha rate).</p> <p>Treatment will give approximately three weeks disease suppression. Economic responses may not be gained by spraying crops past flowering stage. The effects of fungicide application will not be clearly seen for 7-10 days after application.</p> <p>Spray timings for stripe rust control Obtain advisory literature from Department of Agriculture for classification of resistant and susceptible varieties. The following spray program is suggested:</p> <p>Seedling infections: When approximately 20 out of 100 leaves show first signs of infection during tillering to jointing, apply a spray within one week.</p> <p>Adult infections - susceptible varieties: When approximately 10 out of 100 leaves show first sign of infection, apply a spray within one week. Do not delay.</p> <p>Adult infections - moderately susceptible varieties: When approximately 15 to 20 leaves out of 100 leaves show first sign of infection, apply a spray within one week. Do not delay.</p> <p>Adult infections - moderately resistant and resistant varieties: Monitor carefully. If rust appears and spreads, spray within one week.</p> <p>INTEGRATED PEST MANAGEMENT (IPM) WARNING UNICORN 475 WG FUNGICIDE may kill non-target beneficials where IPM is practised.</p>
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Application

Mixing

Prior to pouring, shake container vigorously, then add the required quantity of UNICORN 745 WG FUNGICIDE to water in the spray vat while stirring or with agitators in motion.

Compatibility

For information on the compatibility of UNICORN 745 WG FUNGICIDE with other products please contact Sulphur Mills Australia

Special Instructions for Grapevines

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 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

1. Dilute spray volume as determined above: For example 1500 L/ha
2. Your chosen concentrate spray volume: For example 500 L/ha
3. The concentration factor in this example is: $3 \times$ (ie $1500 \text{ L} \div 500 \text{ L} = 3$)
4. As the dilute label rate is 289g/100 L, then the concentrate rate becomes 3×289 , that is 867g/100 L 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.
- Do not use a concentrate rate higher than that specified in the Critical Comments.
- For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

Resistance Warning:

FUNGICIDE RESISTANCE WARNING

GROUP 3+ M2 FUNGICIDE

UNICORN 745 WG FUNGICIDE is a member of the DMI group of fungicides and contains an M2 fungicide.

For fungicide resistance management the product is a Group 3 + M2 fungicide. Some naturally occurring individual fungi resistant to Tebuconazole and other Group 3 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 this product and other Group 3 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, UNICORN 745 WG FUNGICIDE also contains a Group M2 fungicide. Some naturally occurring individual fungi resistant to Sulphur 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.

Sulphur Mills Australia Ltd accepts no liability for any losses that result from failure of the UNICORN 745 WG FUNGICIDE to control resistant fungi.

<p>Precautions:</p>	<p>PRECAUTIONS Re-entry Period</p> <ul style="list-style-type: none"> • Do not allow entry into treated barley or wheat crops to conduct low exposure activities such as irrigation or scouting, until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use. • Do not allow entry into treated grapevines to conduct low exposure activities such as irrigation or scouting for 4 days unless wearing cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use. • Do not allow entry into treated barley crops to conduct high exposure activities such as harvesting, pruning or training for 12 days unless wearing cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use. • Do not allow entry into treated wheat crops to conduct high exposure activities such as harvesting, pruning or training for 18 days unless wearing cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use. • Do not allow entry into treated grapevines to conduct high exposure activities such as harvesting, pruning or training for 23 days unless wearing cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use.
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<p>Protections:</p>	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with the product or used containers.</p>
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<p>Storage and Disposal:</p>	<p>STORAGE AND DISPOSAL Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers 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, puncture or shred and deliver empty packaging or appropriate disposal 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 setup 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.</p>
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<p>Safety Directions:</p>	<p>SAFETY DIRECTIONS May irritate the eyes and skin. Avoid contact with eyes. When opening the container and preparing the product for use and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves.</p>
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In addition if applying by airblast equipment, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and washable hat and elbow-length chemical resistant gloves.

In addition if applying by low pressure handwand wear cotton overalls over normal clothing buttoned to the neck and wrist and elbow-length chemical resistant gloves.

If product in eyes wash it out immediately with water. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

**First Aid
Instructions:**

FIRST AID

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

First Aid Warnings:

CROP	DISEASE	RATE	WITHHOLDING PERIODS	CRITICAL COMMENTS
Grapevines	Powdery mildew	<p>Dilute spraying 287 g/100 L(201g ai/100L sulphur + 13 g ai/100L tebuconazole)</p> <p>Concentrate spraying Refer to 'Special instructions for grapevines' in the Application section</p>	H 8 weeks	<p>Apply thoroughly as part of the following 5 spray program:</p> <ol style="list-style-type: none"> 1. when shoots 10-20 cm long. 2. pre-flowering. 3. flowering. 4. after fruit set. 5. before bunches close. <p>This use is subject to a CropLife Australia Fungicide Resistance Management Strategy: DO NOT apply more than two consecutive sprays of UNICORN. DO NOT apply more than three sprays of UNICORN per season. DO NOT use UNICORN curatively. 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. Do not use in equipment that requires concentrate rates greater than 1.435 kg/100 L of water (5x). Do not apply in volumes less than 250 L/ha.</p>
Wheat	Leaf rust, stripe rust, septoria nodorum blotch, yellow leaf spot	1.37 or 2.75 kg/ha (959 or 1925 g ai/ha sulphur + 62 or 124 g ai/ha tebuconazole)	H 5 weeks G 14 days	<p>Use higher rate when longer disease control is required. Stripe rust: See spray timings under General Instructions. Other diseases: Apply from full flag leaf emergence to early head emergence. Ground application: Apply in at least 50 L of water/ha</p>
	Septoria tritici blotch	2.75kg/ha (1925 g ai/ha sulphur + 124 g ai/ha tebuconazole)		
Oats	Crown Rust	1.37 or 2.75 kg/ha (959 or 1925 g ai/ha sulphur + 62 or 124 g ai/ha tebuconazole)		
Barley (feed barley and malting barley)	Scald	1.37 kg/ha (959 g ai/ha sulphur + 62 g ai/ha tebuconazole)	H 5 weeks G 14 days	<p>Apply at late tillering to early jointing. Ground application: Apply in at least 50 L of water/ha</p>
	Powdery	1.37 or 2.75 kg/ha (959		<p>Apply when 5% of the leaf area is infected. Use higher rate when longer disease control is required.</p>

	mildew	or 1925 g ai/ha sulphur + 62 or 124 g ai/ha tebuconazole		Ground application: Apply in at least 50 L of water/ha
Wheat Oats	Stem rust		H 5 weeks G 14 days	Apply if more than 5% of stems become infected between full flag leaf emergence to late flowering. Where stem rust is the major disease, yield responses are usually optimised by delaying application until full head emergence, and using the higher rate. In severe cases, if a majority of stems are infected prior to full head emergence, apply at 1.37 kg/ha as soon as possible and if necessary, repeat after 3 weeks when heads are fully emerged. Ground application: Apply in at least 50 L of water/ha

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