

HARMFUL • CORROSIVE • ECOTOXIC

Keep out of reach of children

Champ[®] WG



Active Ingredient: 500g/kg copper as copper hydroxide in the form of water dispersible granules.

A protective copper fungicide for the control of many diseases of fruit, vegetables and forestry.



Net: 10 kg

HAZARD CLASSIFICATION: 6.1D, 6.3B, 6.5B, 6.9B, 8.3A, 9.1A, 9.3C
APPROVED HANDLER: This product must be under the control of an approved handler during use. This product must not be used for any purpose, or in any manner, contrary to this label unless authorized under appropriate legislation.

TOXICITY
 • Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. May cause mild skin irritation or sensitization from prolonged skin contact. May cause lung damage from repeated exposure at high doses.

CORROSIVE
 • Danger – this product is corrosive and may cause eye damage.

ECOTOXIC
 • Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

HANDLING PRECAUTIONS
STORAGE:
 • Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Store in accordance with NZS8409 Management of Agrichemicals.
 • Stores containing 100kg Champ WG are subject to signage and more than 100kg require emergency response plans.

PERSONAL PROTECTION:
 • Do not get in eyes. Avoid skin contact and inhalation of spray mist or dust. Do not eat, drink or smoke while using. Wear protective clothing such as impervious gloves, eye protection, waterproof hat, coat and trousers when using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

EQUIPMENT:
 • Apply using well maintained and accurately calibrated spray equipment. Clean equipment thoroughly after use.

DISPOSAL:
 • Ensure container is completely empty. Burn if circumstances, especially wind direction permit. Otherwise crush and bury in a suitable landfill.
 • Dispose of product only by using according to the label, or at an approved landfill.

First Aid: If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If in eyes, wash out immediately with water. If inhaled, move victim to fresh air immediately.

Spillage: Wear appropriate protective clothing and prevent material from entering waterways. Sweep up solids without generating dust. Contain liquid spills and absorb with inert material. Dispose of waste safely in an approved landfill.

Transport: Do not carry more than 3kg of Champ WG on a passenger service vehicle.

Record Keeping: Records of use as described in NZS8409 Management of Agrichemicals, must be kept if 3kg or more of Champ WG is applied within 24 hours.

Mixing: Add two thirds of the required quantity of water to the spray tank, and with the agitation system going, slowly add the Champ WG. Continue agitation while adding the remainder of the water. The addition of insecticides, spreader-stickers etc should be made last, after the Champ WG has been thoroughly mixed. Agitate thoroughly before and during spraying and before recommencing after a stoppage.

Resistance Management: Champ WG is a member of the inorganic copper group of fungicides with multi-site activity. Champ WG is a GROUP M1 FUNGICIDE. Some naturally occurring fungi and bacteria resistant to Champ WG and other Group M1 fungicides may exist through normal genetic variability in any population. These will not be controlled by Champ WG or other Group M1 fungicides. The resistant individuals can eventually dominate the population if copper products are used repeatedly. Since the occurrence of resistance is difficult to detect prior to use, Nufarm Limited accepts no liability for any losses that may result from the failure of Champ WG to control resistant fungi or bacteria. To prevent or delay the development of resistance use Champ WG in tank mixtures where appropriate, and/or in rotation with fungicides or bactericides having a different mode of action.

Refer to www.resistance.nzpps.org/ for further information.

Directions for use: Champ WG may be applied through standard ground and aerial spray equipment. The recommended dilution rates for Champ WG in the table below are for high volume spraying to runoff. The volume of water applied per hectare will depend on the crop being sprayed and where necessary should increase during the season to ensure complete coverage of all stages of the crop. For concentrate spraying apply the same volume of Champ WG per hectare as for dilute sprays.

In conditions of severe disease pressure use the higher recommended rate and reduce the spray interval.

It is an offence to use this product on animals
Crop Caution: Soft new growth of some plant species may be hardened or injured by copper sprays.

Frost Injury Protection: Bacterial Ice Nucleation Inhibitor: Application of Champ WG made to the crops listed on this label, at the rates and stages of growth indicated, just prior to anticipated frost conditions, will afford control of ice nucleating bacteria (*Pseudomonas syringae*, *Erwinia herbicola* and *Pseudomonas fluorescens*) and may therefore provide some protection against light frost. Do not rely solely on Champ WG for frost protection, especially where weather conditions favour severe frost.

CROP	DISEASE	RATE		COMMENTS
		Per 100L Water	Per Hectare	
FRUIT CROPS				
Apples Pears (including Nashi)	Black spot	250g	5kg minimum	Apply as a full cover spray. Make application between silver tip and green tip. CAUTION: Late application may cause phytotoxicity. Discontinue use when green tip is 1cm.
Avocados	Anthraxnose	150-200g	4.5kg minimum	Apply at monthly intervals from flowering to harvest. During prolonged wet weather reduce application intervals to 14 days.
Berryfruit	Cane wilt Leaf spot Cane spot Spur blight	150-200g	1.5kg minimum	Apply at bud burst and green tip and continue at 10-14 day intervals
Citrus	Melanose	100-200g	4kg (mature trees)	Apply during pre and post bloom periods.
	Brown rot	200-250g	4kg (mature trees)	Apply in the autumn.
Feijoas	Leaf spot (<i>Glomerella sphaceloma</i>)	150-200g	2.25kg minimum	Apply and repeat as necessary.
Grapes	Downy mildew	150-250g	1.5kg minimum	Apply during the pre and post bloom periods at 10-14 day intervals. Discontinue use if signs of injury appear.
Kiwifruit	Leaf spot (<i>Phomopsis</i> sp & others). <i>Botryosphaeria</i>	150-200g	3kg minimum	Apply as dormant sprays only.
Passionfruit	Septoria spot Brown spot Grease spot	100g	1kg minimum	Apply at 2-4 week intervals alternating with mancozeb from November to March. Where grease spot is a problem 2 week intervals may be necessary.
Pears (including Nashi)	Fire blight (<i>Erwinia amylovora</i>)	50-100g	1.5kg minimum	Bearing Trees: Make one application between the silver leaf and green tip period. Non Bearing Trees: Maintain a protective cover of regular sprays at 14-21 day intervals until active vegetative growth ceases. Reduce interval between sprays if wet weather prevails. Post Harvest: Apply at 21 day intervals from harvest to leaf fall. Reduce interval between sprays if wet weather occurs and vegetative growth is active.
Stonefruit	Leaf curl Shot hole Bladder plum	250g	5kg minimum	Apply at bud movement with a second application at 140g/100 litres 10-14 days later.
	Bacterial blast	250g	5kg minimum	Apply at leaf fall and repeat at monthly intervals throughout the winter until bud movement, then treat as for leaf curl.
Strawberries	Leaf spot	200g	1kg minimum	Apply when plants are established and continue on a weekly schedule throughout the season. Use the higher rate early season or under high disease pressure. Discontinue use if signs of crop injury appear.
Tamarillos	Leaf spot	150g	1.5kg minimum	Apply as necessary.
VEGETABLES				
Asparagus	Stemphylium leaf spot	200-300g	2kg minimum	Commence spraying at first appearance of disease after closing up and repeat at 14 day intervals to maintain disease control. Ensure good plant coverage. Under high disease pressure a programme of up to 6 applications may be necessary.
Beans	Bacterial blight (Halo & common)	200-250g	2kg minimum	For protective sprays apply at 7-14 day intervals from when plants are 15cm high.

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BRASSICAS:				
Cabbage Cauliflower Broccoli Brussels sprouts	Downy mildew	150-250g	1.5kg minimum	Apply after crop emergence and/or transplanting at 10-14 day intervals as necessary.
Celery	Septoria leaf spot	200g	1kg minimum	Apply as soon as plants are established in the field then at 5-7 day intervals.
Cucurbits	Angular leaf spot Downy mildew	150-300g	1.5kg minimum	Apply at 7 day intervals after plants have started to vine.
Lettuce	Downy mildew	150-250g	750g minimum	Begin treatment from crop emergence and repeat every 7-10 days as required to suppress the disease.
Onions	Downy mildew Bacterial blight	200g	2kg minimum	Apply on first appearance of disease and repeat every 10-14 days while conditions favour disease development.
Peas	Downy mildew	150-250g	1.5kg minimum	Begin treatment from crop emergence and repeat at 7-14 day intervals depending on disease severity.
Potatoes	Early blight Late blight	300-450g	3kg minimum	Apply every 7-10 days from when plants are 15cm high until 2 weeks before harvest.
Tomatoes	Early blight Late blight Bacterial speck Bacterial spot	150-300g	2kg increasing to 4kg	Apply at 7-10 day intervals. Reduce spray interval if conditions are favourable for development of the disease. Ensure spray volumes of 1500 litre/hectare as crop reaches maximum growth and ensure full coverage of upper and lower leaf surfaces. Repeat application after more than 13mm rain or irrigation.
FORESTRY				
Pine Trees	Pine needle blight (<i>Dothistroma pini</i>)	2-3.5kg		Aerial application to plantations: Apply in 60-100 litres of water per hectare. Make one application in November or early December. Repeat at yearly intervals if necessary. Ground operated equipment in nurseries: Apply with 1% summer oil in 600-1100 litres of water. Commence spraying in October or November and repeat at monthly intervals until planting out.
		1-2.5kg		

Registered pursuant to the ACVM Act 1997, No P8311
 See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, Approval Code HSR000739
 See www.epa.govt.nz for approval controls.

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CONDITIONS OF SALE:
CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER
 If you open this container you will be deemed to have accepted the conditions below.

The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop or crop stage and the possible development of resistance to the active ingredient, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.

When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.

PROPER SHIPPING NAME	HAZARD CLASS	UN No.	HAZCHEM	PACKING GROUP
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper 50%)	9	3077	2X	III

Marketed by:
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Batch No.:
 D.O.M.: