

Product Name: RANMAN 400 SC FUNGICIDE
APVMA Approval No: 66411/111397



Label Name:	RANMAN 400 SC 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:	400 g/L CYAZOFAMID
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Mode of Action:	GROUP 21 FUNGICIDE
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Statement of Claims:	For the control of various fungal diseases in certain crops and turf as specified in the DIRECTIONS FOR USE table
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Net Contents:	1L, 500mL, 5L, 20 L, 200 L
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Restrains:	<p>RESTRAINTS DO NOT apply through any type of irrigation equipment. DO NOT apply to turf by aircraft. DO NOT use on forage brassicas.</p> <p>SPRAY DRIFT RESTRAINTS DO NOT apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the British Crop Production Council Guideline. 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 during surface temperature inversion conditions at the application site.</p> <p>Users of this product MUST make an accurate written record of the details of each spray application within 24 hours following application, and must KEEP this record for at least 2 years. The spray application details that must be recorded are: 1. date with start and finish times of application;</p>
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	<p>2. location address and paddock(s) sprayed; 3. full name of this product; 4. amount of product used per hectare and number of hectares applied to; 5. crop or situation and weed or pest; 6. wind speed and direction during application; 7. air temperature and relative humidity during application; 8. nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application; 9. name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)</p> <p>This section contains file attachment.</p>
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	<p>WITHHOLDING PERIODS: Potatoes: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION Broccoli and brassicas: NOT REQUIRED WHEN USED AS DIRECTED Turf: DO NOT GRAZE TREATED TURF OR LAWN; OR FEED TURF OR LAWN CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK</p>
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Trade Advice:	<p>Export of treated produce Growers should note that suitable MRLs or import tolerances do not exist in all markets for produce treated with Ranman 400 SC Fungicide. In some situations export requirements may be met by limiting application number and/or imposing a longer withholding period than specified above. If you are growing produce for export, please check with UPL Australia Limited for the latest information on any potential trade issues and their management before using Ranman 400 SC Fungicide.</p>
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General Instructions:	<p>GENERAL INSTRUCTIONS</p> <p>Mixing Fill minimum 50% of the required water into the spray tank, and agitate when adding the required amount of Ranman 400 SC Fungicide. Finally add the rest of the required water volume. Keep the spray solution agitated until all product is applied. Never prepare more spray solution than required.</p> <p>Concentrate Ground and Aerial Sprays Apply in 50 to 100 litres water per hectare.</p> <p>Compatibility For information on the compatibility of Ranman 400 SC Fungicide with other products, contact your local UPL Australia Limited representative.</p>
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Resistance Warning:	<p>Fungicide Resistance Warning GROUP 21 FUNGICIDE For fungicide resistance management Ranman 400 SC Fungicide is a group 21 fungicide. Some naturally occurring individual fungi resistant to the product and other group 21 fungicides may exist through normal genetic variability in any fungal population. The</p>
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resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by the product or other Group 21 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, UPL Australia Limited accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

Precautions:

Protections:

PROTECTION OF LIVESTOCK

DO NOT graze or feed treated crops or turf to animals.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

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

Storage and Disposal:

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 the 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.

Safety Directions:

SAFETY DIRECTIONS

When preparing the product for use and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). Wear elbow length chemical resistant gloves when opening the container and preparing the spray for aerial spraying equipment. If applying by spraying equipment carried on the back of the user, when preparing the product for use wear elbow length chemical resistant gloves. Wash hands after use. After each day's use wash gloves and contaminated clothing.

First Aid Instructions:

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131 126; New Zealand 0800 764 766.

First Aid Warnings:

Mandatory no-spray zones

DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the mandatory no-spray zones shown in the table below.

No-spray zones for the protection of the aquatic environment		
Wind speed range at time of application	Downwind mandatory no-spray zone	
FOR AERIAL APPLICATION		
	Fixed-wing	Helicopter
From 3 to 8 kilometres per hour	20 metres	20 metres
From 8 to 14 kilometres per hour	25 metres	30 metres
From 14 to 20 kilometres per hour	30 metres	40 metres
FOR GROUND APPLICATION		
From 3 to 20 kilometres per hour	5 metres	

Crop	Disease	Rate	WHP	Critical Comments
Potatoes	Late blight (<i>Phytophthora infestans</i>)	150 – 200 mL/ha	7 days	When conditions favour disease development apply consecutive sprays of Ranman 400 SC at 7 to 10 day intervals. DO NOT wait for disease to appear. Use the shorter interval when disease pressure is severe. Ensure thorough coverage of plants. The total number of Ranman 400 SC applications per season should not exceed 6. When applying Ranman 400 SC consecutively, apply a maximum of 3 consecutive sprays, then switch to a fungicide of another chemical group. Apply Ranman 400 SC in 250 L to 600 L water per hectare for dilute sprays. For concentrate ground and aerial sprays see General Instructions.
Broccoli	White Blister (<i>Albugo candida</i>)	150 – 200 mL/ha	-	When conditions favour disease development apply consecutive sprays of Ranman 400 SC at 7 to 10 day intervals. DO NOT wait for disease to appear. Use the shorter interval when disease pressure is severe. Ensure thorough coverage of plants. The total number of Ranman 400 SC applications per season should not exceed 6. When applying Ranman 400 SC consecutively, apply a maximum of 3 consecutive sprays, then switch to a fungicide of another chemical group. Apply Ranman 400 SC in 250 L to 800 L water per hectare for dilute sprays. For concentrate ground and aerial sprays see General Instructions
Brassica vegetable seedlings and brassica leafy vegetable seedlings	Downy mildew (<i>Hyaloperonospora</i> spp)	150 – 200 mL/ha	-	Make fungicide applications on a 7 to 10 day schedule beginning when disease is first seen or weather and downy mildew disease pressures are expected to initiate a disease outbreak. Use the longest interval for preventative applications or very low disease pressure. Shorten the interval as disease pressure and/or fast crop development increases, down to the shortest interval. RANMAN 400 SC FUNGICIDE can be tank-mixed with an organosilicone surfactant at the manufacturer's label recommendation. The total number of Ranman 400 SC applications per season should not exceed 6. When applying Ranman 400 SC consecutively, apply a maximum of 3 consecutive sprays, then switch to a fungicide of another chemical group. Apply Ranman 400 SC in 250 L to 800 L water per hectare for dilute sprays. For concentrate ground and aerial sprays see General Instructions.
Turf (golf and bowling greens, other intensively managed turf)	Pythium leaf blight Pythium root dysfunction (<i>Pythium</i> spp.)	15 - 20 mL/100 square metres (1.5 L-2 L/ha)	-	When conditions favour disease development, apply consecutive sprays of this product at approximately 21 day intervals. Use the higher rate during times of high infection pressure. Apply as a foliar spray. DO NOT wait for disease to appear. Apply Ranman 400 SC in 400 L to 500 L water per hectare.

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