

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Ranman[®] 400 SC Fungicide

ACTIVE CONSTITUENT: 400 g/L CYAZOFAMID

GROUP		FUNGICIDE
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For the control of various fungal diseases in certain crops as specified in the
DIRECTIONS FOR USE table

CONTENTS: (500 mL, 1 L, 5 L, 20 L, 200 L)

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Distributed in Australia by:

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DIRECTIONS FOR USE

RESTRAINTS

DO NOT apply through any type of irrigation equipment.

DO NOT use on forage brassicas.

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.

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;
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.)

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 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. .
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. .
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. .

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

WITHHOLDING PERIODS:

Potatoes: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

Broccoli and Brassicas: NOT REQUIRED WHEN USED AS DIRECTED

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.

GENERAL INSTRUCTIONS

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.

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Compatibility

For information on the compatibility of Ranman 400 SC Fungicide with other products, contact your local UPL Australia Limited representative.

Fungicide Resistance Warning

GROUP		FUNGICIDE
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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 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.

PROTECTION OF LIVESTOCK

DO NOT graze or feed treated crops 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

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.

Ancillary panel label continued

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

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

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet which can be obtained from the supplier representative or visit www.uplonline/uplaustralia.com.au .

CONDITIONS OF SALE

ISK Biosciences Oceania Pty Ltd and UPL Australia Limited accept responsibility for the consistent quality of the product; however since the use and application of the product is beyond control, the companies accept no responsibility whatsoever for any loss, damage or other result following the use of the product whether used in accordance with directions or not; other than those mandatorily imposed by statutes, the liability is limited to the replacement of the goods and is conditional upon a claim made in writing and, where necessary, a sufficient part of the goods being returned for proper examination by the company within thirty days of sale.

APVMA Approval Number: 66411/120431
BN DOM

Bar code, label code to be inserted