



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

RUTEC FUNGI FOS 400 pH7.2 SYSTEMIC FUNGICIDE

ACTIVE CONSTITUENT

**400g/L phosphorous (phosphonic) acid
 present as mono and di potassium phosphite**

GROUP Y FUNGICIDE

**Effective against
 PHYTOPHTHORA DISEASES AND DOWNY MILDEW
 in various situations as per directions for use**

5L 20L 200L

Manufactured by

RUTEC PTY LTD

23 HARGRAVE STREET, TAMWORTH NSW 2340
Telephone 02 6765 2155

DATE OF
 MANUFACTURE

BATCH NO:

NRA APPROVAL NO 54665/0202

Rutec Fungi Fos 400 pH7.2 is a member of the Multi-site Activity group of fungicides. For fungicide resistance management, the product is a group Y fungicide.

GENERAL INSTRUCTIONS

Fungicide Resistance Warning

GROUP

Y

FUNGICIDE

Some naturally occurring individual fungi resistant to the product and other Group Y fungicides may exist through normal genetic variability and possible yield loss. 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 or other Group Y fungicides, thus resulting in a reduction in efficacy.

Since the occurrence of resistant fungi is difficult to detect prior to use Rutec Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

CONDITIONS CONDUCTIVE TO DOWNY MILDEW INFECTION

1. PRIMARY INFECTION—overnight conditions of:-	2. SECONDARY INFECTION—overnight conditions of
Temperature 10oC	Temperature 11oC
Rainfall 10mm	Humidity 98%
Soil wetness 24 hours	Leaf wetness 24 hours
Leaf wetness 3-4 hours at end of 24 hour period	

TO AVOID RESISTANT STRAINS OF DOWNY MILDEW DEVELOPING, RUTEC FUNGI FOS 400 pH7.2 SHOULD BE APPLIED AS CLOSE AS POSSIBLE TO THE DAY OF INFECTION AND ALTERNATED WITH OTHER SYSTEMIC FUNGICIDES

MIXING/APPLICATION

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 the 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 be calculated in the following way:

EXAMPLE ONLY

(i) Dilute spray volume as above: For example 1500L/ha (ii) Your chosen concentrate spray volume: For example 500L/ha

(iii) The concentration factor in this example is : 3 X (i.e. 1500L - 500L =3)

(iv) If the dilute rate is 10mL/100L, then the concentrate rate becomes 3 x 10, that is 30mL/100L of concentrate spray.

The chosen spray volume, amount of product per 100L of water, and the spray 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

COMPATIBILITY: Compatible with Mancozeb, Copper Oxchloride, Bayleton, Tilt and most common powdery mildew fungicides. Most foliage nutrients are also compatible. When using in conjunction with "EC's" - always form emulsion with water before adding Fungi Fos 400 pH7.2.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT Do NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL Store in the closed, original container, in a well-ventilated area as cool as possible. Protect from frost. 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, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SPILLAGE Hose small spillage (less than 1 litre of concentrate) away with a large excess of water. Large spillage should not be directed to drains. Large spillage should be absorbed in sawdust or sand and the absorbent material containing the product disposed of in a sealed container at an approved disposal site.

SAFETY DIRECTIONS Product is poisonous if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin and clothing. . When preparing and using Fungi Fos 400 pH7.2 wear elbow length PVC gloves , face shield or goggles. If product or spray on skin, immediately wash area with soap and water. Wash hands after use. After every day's use wash gloves and face shield or goggles and contaminated clothing.

FIRST AID If poisoning occurs, contact a doctor or Poisons Information Centre. Ph: 131126. If swallowed, do not induce vomiting. Give a glass of water. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

MATERIAL SAFETY DATA SHEET Additional information is listed in the Material Safety Data Sheet.

EXCLUSION OF WARRANTIES AND LIMITATION OF LIABILITY The purchaser acknowledges that no express or implied warranty, condition, description or representation is given or made by Rutec Pty Ltd (ABN 91 002 846 988) in relation to this product. To the maximum extent permitted by the law, all warranties, terms, conditions and any duty of care which would otherwise be implied or arise by operation of law, statute or use in relation to this product are hereby excluded as against any and all persons, whether purchasers of this product or not.

To the maximum extent permitted by law, Rutec's total liability to any person in connection with this product, whether arising from a breach of any express or implied term, condition or warranty, any duty of care or otherwise, other than any liability which by these terms or otherwise is excluded, shall not exceed