**Rutec Fungi Fos 400 pH7.2**

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

**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

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Telephone 02 6765 2155

DATE OF MANUFACTURE
NRA APPROVAL NO 54665/0202

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**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

excluded as against any and all persons, whether purchasers of this product or not. To the maximum extent permitted by law, Rutec Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

**CONDITIONS CONducive TO DOWNY MILDEW INFECTION**

1. PRIMARY INFECTION—overnight conditions of:
   - Temperature: 10°C
   - Rainfall: 10mm
   - Leaf wetness: 24 hours
   - Soil wetness: 100% for 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) The concentration factor in this example is: 3 X (i.e. 1500L - 500L = 1000L)
(iii) The dilute rate is 10mL/L/100L, then the concentrate rate becomes 3 x 10, that is 30mL/100L of concentrate spray.

The concentration spray volumes, amount of product per 100L of water, and the spray set up and operation may need to be changed as the crop grows. 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 Oxychloride, 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 product to control resistant fungi. 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.

**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