

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

**Prosper<sup>®</sup> 500 EC**

FUNGICIDE

Active Constituent: 500 g/L SPIROXAMINE

GROUP 5 FUNGICIDE

For control of powdery mildew on grapevines

## GENERAL INSTRUCTIONS

### Fungicide Resistance Warning

Prosper is a member of the morpholine group of fungicides. For fungicide resistance management Prosper is a Group 5 fungicide. Some naturally occurring individual fungi resistant to Prosper and other Group 5 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 Prosper and other Group 5 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, Bayer CropScience Pty Ltd accepts no liability for any losses that result from failure of Prosper to control resistant fungi.

### Mixing/Application

Half fill the spray tank or vat with clean water. Then add the required amount of Prosper with agitator going and top up the tank with water. Agitate thoroughly prior to and during spraying.

#### 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 100 L 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 a 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 then be calculated in the following way:

#### EXAMPLE ONLY

1. Dilute spray volume as determined above: For example 1500 L/ha
  2. Your chosen concentrate spray volume: For example 500 L/ha
  3. The concentration factor in this example is: 3 X (i.e. 1500 L ÷ 500 L = 3)
  4. As the dilute label rate is 60 mL/100 L, then the concentrate rate becomes 3 x 60, that is 180 mL/100 L of concentrate spray.
- ◆ The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.
  - ◆ Do not use a concentrate rate higher than that specified in the Critical Comments.
  - ◆ For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

### Export of Treated Produce

Growers should note that suitable MRLs or import tolerances may not be established in all markets for fruit harvested from Prosper treated plants. If you are growing grapes for export (either fresh, dried or as wine), please check with Bayer CropScience Pty Ltd or the Australian Wine Research Institute (in the case of wine) for the latest information on MRLs and import tolerances before using Prosper.

## PRECAUTIONS

### Re-entry

Do not allow entry into treated areas until the spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

This product is highly toxic to algae and harmful to fish and aquatic invertebrates. DO NOT contaminate dams, ponds, waterways or drains with this product or used container. DO NOT apply under meteorological conditions or from spray equipment that will cause spray drift onto non-target areas, and in particular avoid any natural wetland or standing water body.

**STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. The method of disposal of the container depends on the container type. Read the 'STORAGE AND DISPOSAL' instructions on the label that is attached to the container.

**SAFETY DIRECTIONS**

Harmful if swallowed. Will damage the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing the spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves and goggles. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat. If clothing becomes contaminated with product, remove clothing immediately. If product on skin, immediately wash the area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves, goggles and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 11 26).

**MATERIAL SAFETY DATA SHEET**

Additional information is listed in the Material Safety Data Sheet, which can be obtained from [www.bayercropscience.com.au](http://www.bayercropscience.com.au).

**EXCLUSION OF LIABILITY**

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

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**DIRECTIONS FOR USE**

CROP	DISEASE	RATE	CRITICAL COMMENTS
Grapevines	Powdery mildew	<b>Dilute spraying</b> 60 mL/100 L  <b>Concentrate spraying</b> Refer to the Mixing/ Application section	Apply thoroughly as part of the following 5 spray program: <ol style="list-style-type: none"> <li>1. when shoots 10-20 cm long.</li> <li>2. pre-flowering.</li> <li>3. flowering.</li> <li>4. after fruit set.</li> <li>5. before bunches close.</li> </ol> Do not allow spray intervals in the above program to exceed 21 days. In some seasons, additional non-schedule sprays may be necessary later in the season. Do not apply more than 2 consecutive Prosper sprays per season. Apply a maximum of 3 Prosper sprays per season. Do not apply more than one Prosper spray late season. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Do not use in equipment that requires rates greater than 180 mL/100 L of water (3X). Do not apply in water volumes less than 250 L/ha.

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

**WITHHOLDING PERIOD:**

**Grapes (for domestic consumption): DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION**

**Grapes (for produce intended for export): CONSULT YOUR WINERY, INDUSTRY SPRAY DIARY OR PEAK INDUSTRY BODY FOR THE RECOMMENDED WITHHOLDING PERIOD**