



**CONTENTS**

DIRECTIONS FOR USE.....2

RESTRAINTS .....2

SPRAY DRIFT RESTRAINTS .....2

MANDATORY NO-SPRAY ZONES .....2

WITHHOLDING PERIOD: .....3

EXPORT OF TREATED PRODUCE .....3

GENERAL INSTRUCTIONS .....3

Mixing/Application .....3

FUNGICIDE RESISTANCE WARNING .....4

PRECAUTIONS .....4

Re-entry .....4

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT .....4

STORAGE AND DISPOSAL.....4

SAFETY DIRECTIONS.....5

FIRST AID .....5

SAFETY DATA SHEET .....5

EXCLUSION OF LIABILITY .....5

GHS STATEMENTS.....5



**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 and barley**

**DIRECTIONS FOR USE**

**RESTRAINTS**

**DO NOT** apply by aircraft.

**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 within 5 metres downwind from the application area.

**DO NOT** apply if there are sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat within 5 metres downwind from the application area.

CROP	DISEASE	RATE	CRITICAL COMMENTS
Grapevines	Powdery mildew	<p><b>Dilute spraying</b> 60 mL/100 L</p> <p><b>Concentrate spraying</b> Refer to the Mixing/ Application section</p>	<p>Apply thoroughly as part of the following 5 spray program:</p> <ol style="list-style-type: none"> <li>when shoots 10-20 cm long;</li> <li>pre-flowering;</li> <li>flowering;</li> <li>after fruit set;</li> <li>before bunches close.</li> </ol> <p>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.</p> <p>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.</p> <p>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.</p>



CROP	DISEASE	RATE	CRITICAL COMMENTS
Barley	Powdery mildew	600 mL/ha	<p>Monitor crops from mid-tillering. Apply at the first sign of disease.</p> <p>Apply a maximum of 2 sprays with a minimum of 7 days between consecutive sprays.</p> <p>Do not apply the last application later than GS32 (node 2 at least 2 cm above node 1).</p>

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

#### WITHHOLDING PERIOD:

##### Harvest:

**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**

**Barley: NOT REQUIRED WHEN USED AS DIRECTED**

##### Grazing:

**Barley: DO NOT GRAZE OR CUT TREATED AREAS FOR STOCKFOOD FOR 6 WEEKS AFTER APPLICATION**

#### EXPORT OF TREATED PRODUCE

##### Grapes

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 or the Australian Wine Research Institute (in the case of wine) for the latest information on MRLs and import tolerances before using Prosper.

##### Barley

Growers should note that suitable MRLs or import tolerances may not exist in all markets for produce treated with Prosper. If you are growing produce for export, please check with Bayer for the latest information on MRLs and import tolerances and for advice on any potential trade issues and their management.

#### GENERAL INSTRUCTIONS

##### 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.

##### Grapevines

##### ***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.

### **Barley**

#### ***Ground application:***

Monitor the crop regularly for symptoms of disease. Generally spray at the first sign of disease. This will depend on factors such as expected weather conditions and the particular crop variety resistance. Up to two sprays of Prosper may be applied per season to the crop. Ensure good coverage of all susceptible plant parts. Apply product using a spray volume of 70 – 100 L/ha and a MEDIUM spray quality as defined by the ASABE S572 Standard.

### **FUNGICIDE RESISTANCE WARNING**

<b>GROUP</b>	<b>5</b>	<b>FUNGICIDE</b>
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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.

### **PRECAUTIONS**

#### **Re-entry**

#### **Grapes**

For treated grapevines, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and gauntlet length chemical resistant gloves, do not allow entry into treated areas for the following times to conduct the stated activities:

Transplanting, hand weeding, hand pruning, trellis repair, bird control, propagating and scouting: Do not allow entry into treated areas until the spray has dried.

Tying/training, leaf pulling, hand harvesting: 11 days

Girdling (cincturing), bunch turning: 16 days

### **Barley**

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**

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

### **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-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 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. Do not re-use empty container for any other purpose.



**SAFETY DIRECTIONS**

Harmful if swallowed or inhaled. Will damage the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), PVC or rubber apron, elbow-length chemical resistant gloves and goggles. If applying by airblast equipment wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat and elbow-length chemical resistant gloves. If applying by boomspray equipment wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). If clothing becomes contaminated with product, remove clothing immediately. If product on skin, immediately wash 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. Phone Australia 13 11 26.

**SAFETY DATA SHEET**

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

Prosper® is a Registered Trademark of the Bayer Group.

APVMA Approval No.: 52817/118414

FOR 24 HOUR SPECIALIST ADVICE  
IN EMERGENCY ONLY  
PHONE 1800 033 111

**GHS STATEMENTS**

**•Harmful if swallowed or inhaled. •Causes skin irritation. •Causes serious eye damage. •May cause an allergic skin reaction. •Suspected of damaging the unborn child. •May cause damage to organs (eyes) through prolonged or repeated exposure.**  
•Do not handle until all safety precautions have been read and understood. •Do not eat, drink or smoke when using this product. •IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Rinse mouth. •IF ON SKIN: Wash with plenty of soap and water. •If skin irritation or rash occurs: Get medical advice/attention. •IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell. •IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. •Store locked up.