

# Users' guide for vineyards



## Unique, powerful chemistry to control powdery mildew early

Powdery mildew is the biggest disease concern for most Australian vineyard managers. Increasing scrutiny and measurement of the disease at harvest demand the most stringent control practices. The disease can be effectively controlled by utilising the best available technology at the most appropriate time.

**Prosper**<sup>®</sup> 500 EC fungicide provides a more convenient option that combines highly effective protection with the capacity to deactivate existing flag shoot infections.

Controlling powdery mildew is a numbers game. Using the right chemistry early in the season during rapid growth stages provides the best possible foundation for controlling powdery mildew and helping you produce your best.

### The ideal choice

**Prosper** is a powerful, systemic fungicide for the control of powdery mildew in grapevines. Being mobile through the xylem, **Prosper** is ideally suited for use during the rapid growth phases of the crop. The only Group 5 product available, **Prosper** features a unique mode of action with no known cross-resistance with other chemistry groups.

# PROSPER<sup>®</sup>

There have been no confirmed reports of resistance of **Prosper** to grapevine powdery mildew.

**Prosper** is highly effective when used early in the season, where it provides protective activity against new and flag shoot infections.

**Prosper** is rainfast within 1 hour and delivers control of powdery mildew across a range of temperatures, making it a very flexible inclusion in your spray program.

**Prosper** is safe to beneficial insects, when used as directed.



## PROSPER IN GRAPEVINES AT A GLANCE

Active Ingredient	Spiroxamine 500 g/L
Formulation	Emulsifiable concentrate
Activity Group	Group 5 (E) morpholine
Mode of Action	Acts on the fungal cell wall metabolism at different sites to Group 3 (C) DMI products.
Rate	60mL /100 L water. Do not exceed 3 X concentration.
Recommended Water Rate	Apply to the point of run-off, generally between 500–1500 L/ha, depending on canopy, ensuring good coverage of bunches. For concentrate spraying, refer to the label.
Spray Timing	Commence spraying when shoots are at 10–20 cm.
Interval	Do not allow spray intervals to exceed 21 days.
Maximum Sprays	No more than 3 sprays per season; no more than 2 consecutive sprays.
Compatibility	<b>Prosper</b> is compatible with many products typically used in early season, including copper.
Rainfastness	1 hour
WHP	Domestic: 4 weeks; Export wine grapes: Do not apply later than 80% capfall (consult your winery for further details).
Pack Sizes	2.5 L & 10 L

# More advanced chemistry achieves better early control using fewer sprays

## Working smarter

The highly systemic, rapidly penetrating nature of **Prosper** provides a range of benefits to the proactive vineyard manager:

### THE UNIQUE CHOICE

**Prosper** is the only Group 5 (E) product registered for use against powdery mildew in grapevines. Rotating chemistry early will give you maximum flexibility at the critical flowering stage. Powdery Mildew fungicides should always be used preventatively, before an infection is visible.

### GET IN CONTROL

Early season control is crucial to an effective powdery mildew program, this provides the best possible start to the powdery mildew program.

### STAY IN CONTROL

Keeping disease levels down early allows for a more flexible, leaner and targeted approach later in the season.

### FLEXIBLE APPLICATION

**Prosper** is highly compatible with many other products used during the early season growth stages.

### FLEXIBLE IN YOUR CLIMATE

Working within the vine to protect against powdery mildew, the benefits of **Prosper** will not be washed away during the next shower. **Prosper** is rainfast within one hour, and provides control of powdery mildew across a range of temperatures.

### CONFIDENCE IN THE TECHNOLOGY

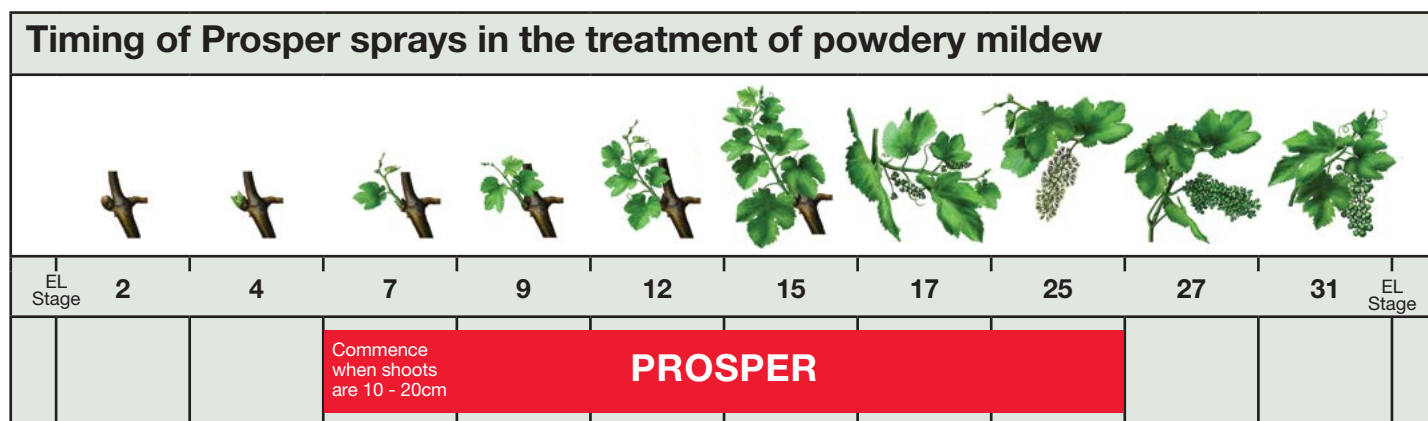
Thirty percent of the active ingredient is taken up into the vine within 10 minutes, with the remainder of the active ingredient being almost completely taken up within 3 hours.

### REDUCED SPRAYS

The recommended spray interval for **Prosper** is 14–21 days, potentially reducing the requirement for sprays of older, surface active products.

### RESISTANCE MANAGEMENT

Do not use Prosper (Group 5 fungicide) more than three times in one season, and not for more than two consecutive applications. Current resistance management guidelines are available at the CropLife Australia website: [croplifeaustralia.org.au](http://croplifeaustralia.org.au).



[crop.bayer.com.au](http://crop.bayer.com.au)

Always consult the product label for detailed information.

The information and recommendations set out in this brochure are based on tests and data believed to be reliable at the time of publication. Results may vary, as the use and application of the products is beyond our control and may be subject to climatic, geographical or biological variables, and/or developed resistance. Any product referred to in this brochure must be used strictly as directed, and in accordance with all instructions appearing on the label for that product and in other applicable 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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Technical enquiries: 1800 804 479 [crop.bayer.com.au](http://crop.bayer.com.au)