



TECHNICAL UPDATE  
2018

**Prolectus®**

Prolectus® is a fenpyrazamine based fungicide, discovered and developed by Sumitomo Chemical Ltd and is now registered in Australia for botrytis control in wine grapes.



Prolectus is active on fungi of the genus botrytis, and is a Group 17 fungicide.

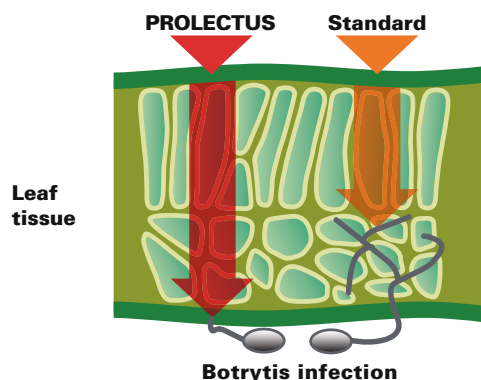
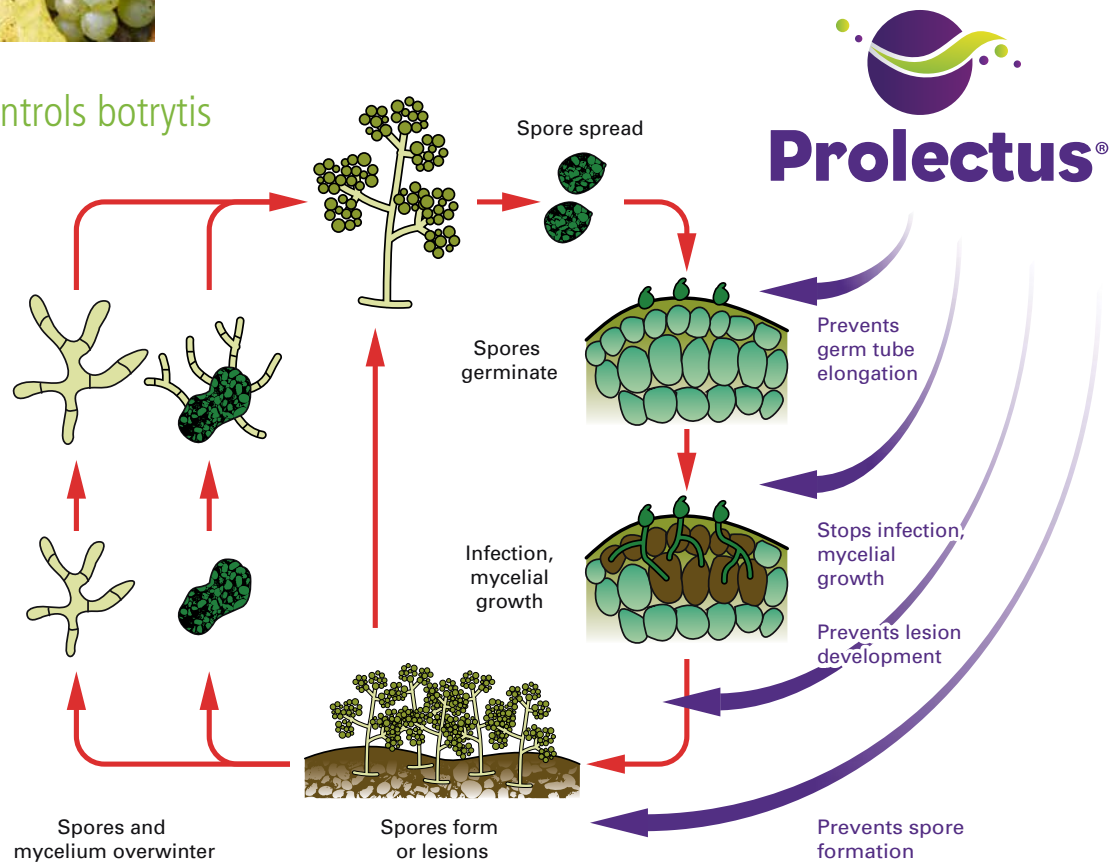
It is a translaminar product able to block botrytis in various stages of its biological cycle and is a powerful addition to growers botrytis programmes, offering:

**Powerful curative activity (kickback)**

**Translaminar activity**

**Good rainfastness**

### How Prolectus controls botrytis



### Translaminar activity

Prolectus moves from one surface of the grape leaf to the other through translaminar activity.

This not only helps control disease spores that may have been missed on the underside of leaves by the application, it also improves control of mycelial growth within the plant tissue.

Experiments have also shown Prolectus moving through the grape surface within 24 hours of application. This, and the translaminar activity would be factors in the good rainfastness exhibited by Prolectus.

## Powerful curative activity (kickback)

While no fungicide application should be timed to control disease that is already established, the ability of a fungicide to provide 'kickback' can still be valuable. Kickback describes how many days after an infection occurs that a fungicide can

be applied and still give adequate control. With a disease like botrytis in grapes this can be important as ongoing infections, rain, and the ability to spray the vineyard quickly can allow the disease to slip through the fungicide programme.

Prolectus will always be more effective when applied preventatively, but research shows it can give useful kickback.

## Directions for use

CROP	PEST	RATE	CRITICAL COMMENTS
Wine grapes	Grey mould ( <i>Botrytis cinerea</i> )	100 mL/100 L <b>Dilute spraying:</b> Water rate should be adjusted to growth stage and size of foliage to give good coverage. Generally between 500 and 1000 L/ha. <b>Concentrate spraying:</b> Refer to the Application section in the label.	Apply as part of a botrytis control spray programme between 10% flowering (E-L 20) and berries pea size – just prior to bunch closure (E-L 31). DO NOT apply after E-L 31. DO NOT apply more than 2 sprays of PROLECTUS in any one season, with a minimum 14 day interval. Apply by dilute or concentrate spraying equipment but ensure that sufficient water is used and the sprayers are directed to get good penetration of the canopy and coverage of flowers or bunches. Maxx organosilicone surfactant is recommended at 30 mL/100 L as this provides increased penetration of flowers and bunches and so improves the result.

**The AWRI has updated their recommendation for the use the use of Prolectus to no later than E-L 29, berries pepper-corn size (4 mm diameter) for a single application (previously no later than 80% capfall).**

### RESTRAINTS

DO NOT apply if heavy rain has been forecast over the next 72 hours.

DO NOT apply more than two sprays per season with a minimum interval of 14 days as over-use may lead to development of resistance.

DO NOT apply with aircraft. **NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

### WITHHOLDING PERIODS:

**WINE GRAPES: NOT REQUIRED WHEN USED AS DIRECTED.**

**GRAZING: DO NOT ALLOW LIVESTOCK TO GRAZE TREATED VINEYARDS FOR 2 DAYS AFTER APPLICATION. LIVESTOCK USED FOR GRAZING INTER-ROWS OR LEAF PLUCKING MUST NOT BE SENT FOR SLAUGHTER UNTIL 2 MONTHS AFTER REMOVAL FROM THE VINEYARD.**



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Scan here to see more information about Prolectus Fungicide