Esteem®

New fungicide for powdery mildew & botrytis in grapes

LOCAL INTELLIGENCE.
GLOBAL SCALE.

arxada

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PROFILE

Esteem® is the effective new fungicide, based on the active ingredient Polyoxin D zinc salt, in a 52g/L suspension concentrate liquid formulation. This unique chemistry group (FRAC group 19 peptidyl pyrimidine nucleoside) is a new tool in disease management for the Grape industry.

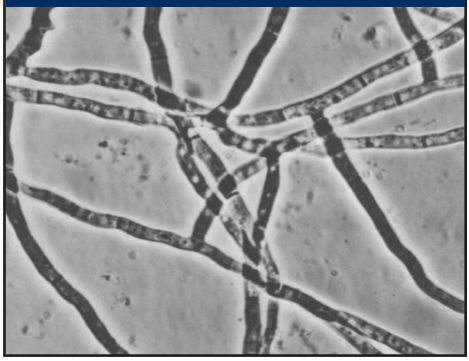
MODE OF ACTION

The mode of action delivered by Esteem® (Polyoxin D zinc salt) is chitin biosynthesis inhibition. The production of chitin is stopped and glucosamine can not be incorporated into the fungi cell wall, which is an essential process for cell wall and membrane development of the disease causing fungi. Esteem® has activity at a number lifecycle stages, from sporulation, spore germination and germ tube elongation, through to hyphal invasion, hyphal growth and lesion formation. The mode of action for Esteem® is a different biochemical pathway to insect and crustacean chitin production, so it has a favourable safety profile for any beneficial insects within the vineyard. Esteem® delivers effective Powdery mildew (*Erysiphe necator*) control and Botrytis (*Botrytis cinerea*) supression in Grapes.

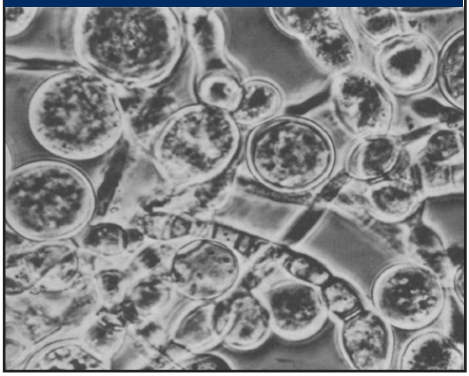
TRIAL DATA - BOTRYTIS

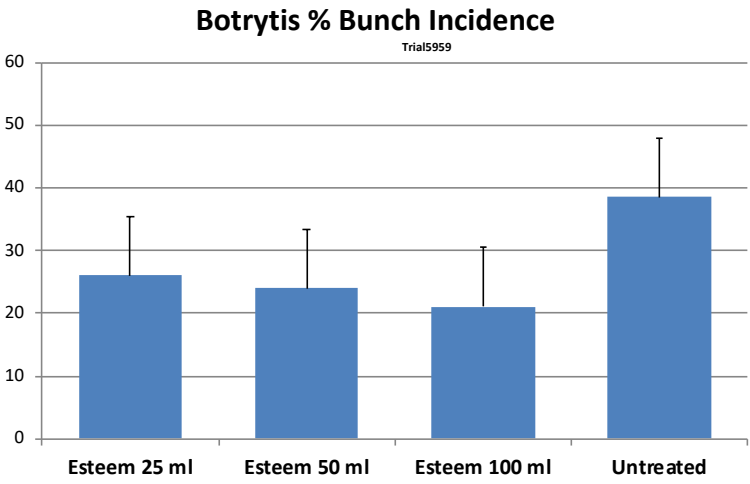
Sprayed from bunch closure. Assessed 15 days after the third application. Indicating a fairly flat dose rate response.

NORMAL GROWTH



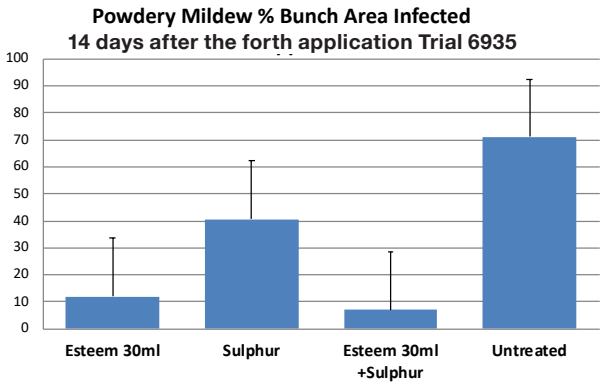
AFFECTED GERM TUBES

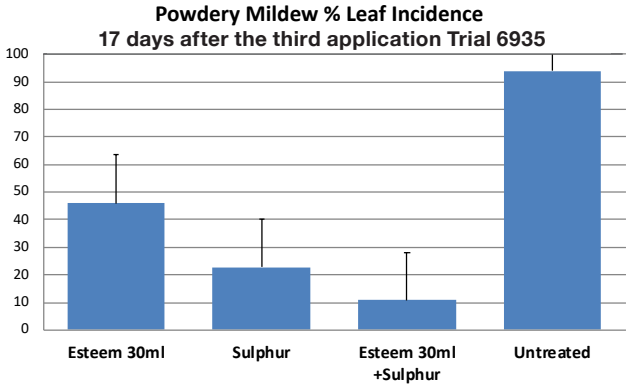




TRIAL DATA - POWDERY MILDEW

Trial sprayed from fruit set to bunch closur





Under significant pressure, Esteem + sulphur has the lowest % leaf incidence

RESISTANCE MANAGEMENT

Esteem® has been extensively tested in the field over several seasons and has proved to be a valuable tool for the preventative management of Powdery mildew and Botrytis. Use no more than four applications in a single season. When used pre veraison for Powdery mildew control, Esteem® must be combined with sulphur and alternated with an effective powdery mildew fungicide from a different chemical group. A single application without sulphur (which can be sequential) may be made post veraison for Botrytis.

Withholding Period and Pre-Harvest Interval:
Nil residue; 21 days
Re-entry interval:
When full dry

GETTING THE BEST OUT OF Esteem®

Esteem® is an effective new Powdery mildew and Botrytis fungicide with a unique mode of action, for protection of Grapes.

Rate and Mixing: Use 30 ml/100 litres as a dilute spray to the point of runoff. Concentrate application rates have to be adjusted from equivalent dilute rates determined for your particular canopy architecture.

Application: Esteem® can be applied as a high volume or concentrated spray, via all conventional equipment. Apply as a full canopy spray to ensure complete coverage.

Timing: Esteem® can be used from flowering to pre-harvest. Re-apply every 7 to 14 days to maintain protection, using the close spray interval during periods of rapid growth, after significant rain, or when disease pressure is increasing.

Compatibility: Tank mix compatibility has shown Esteem® to be safe when used with sulphur and a range of other commonly used tank mix products.

THE ESTEEM ADVANTAGES

- New chemistry, with a unique mode of action
- Effective resistance management tool
- Short pre-harvest and re-entry Intervals
- Compatible with commonly used crop protection products
- APE free

Arxada is a company of high-performing teams who are encouraged to act with an entrepreneurial spirit, on behalf of customers.

Arxada delivers solutions for crop protection, specialising in fungicides, insecticides, herbicides, foliar nutrients and additives. With a strong focus on the development, marketing and technical support of a broad range of smart agrichemical products targeted to the needs of farmers and growers. For more information visit **www.arxada.co.nz**

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For full use instructions read the product label.