

Independent trials show ORONDIS® Plus + AMISTAR® effectively control onion downy mildew under high disease pressure.



Untreated



ORONDIS® Plus + AMISTAR®

Disease control in Alliums (bulb onion)

Depending upon the season and growing situation onion downy mildew (*Peronospora destructor*) can be a devastating disease. In bad seasons resulting in significant crop losses. To mitigate the risk, growers generally carry out a programme of treatments during the season to prevent onion downy mildew getting a hold in the crop. Preventative treatment is much more effective than trying to eradicate an established infection.

For the best activity against onion downy mildew an application of ORONDIS® Plus with AMISTAR® should be made as a preventative treatment not as a curative application. Trials in onions have also shown that the addition of an adjuvant such as Activator 90 improves control of onion downy mildew.

Main messages

- ORONDIS® Plus contains Oxathiapiprolin which is highly active at low dose rates
- ORONDIS® Plus should always be used in combination with AMISTAR® to minimise the risk of fungicide resistance developing to oxathiapiprolin
- ORONDIS® Plus with AMISTAR® works best as a protectant and should be used before disease becomes established
- ORONDIS® Plus with AMISTAR® should be incorporated into a programme of treatments to protect onions from onion downy mildew through the season

Availability to the market

To maintain the effectiveness of Oxathiapiprolin (ORONDIS® Plus) as a first-class material for control of downy mildew, the active substance should always be used in combination with an effective partner.

ORONDIS® Plus from Syngenta is available as a co-pack with AMISTAR® to ensure that growers have the correct amount of both materials for optimum disease control.

Crop	ORONDIS® Plus Maximum individual dose	AMISTAR® Maximum individual dose	Maximum no. of applications	Latest time of application when used with AMISTAR®
Lettuce	0.15 l/ha	0.75 l/ha	2 per crop	14 days pre-harvest
Onions, garlic and shallot	0.2 l/ha	1.0 l/ha	3 per crop	14 days pre-harvest

Onion downy mildew – recent trials experience

Independent trials data has demonstrated the superior efficacy of ORONDIS®. Independent assessments have confirmed dependable, high-performance downy mildew control essential for premium crop production and high yields.

App. 1	App. 2 30 Jun	App. 3 07 Jul	App. 4 14 Jul	App. 5 21 Jul	App. 6 04 Aug
Mancozeb	Oxathiapiprolin + Metalaxyl-M (OXTM + MXM)	Mancozeb	Oxathiapiprolin + Metalaxyl-M (OXTM + MXM)	Mancozeb	Oxathiapiprolin + Metalaxyl-M (OXTM + MXM)
Mancozeb	ORONDIS® Plus + AMISTAR®	Mancozeb	ORONDIS® Plus + AMISTAR®	Mancozeb	ORONDIS® Plus + AMISTAR®
Mancozeb	Zorvec Endavia	Mancozeb	Zorvec Endavia	Mancozeb	Zorvec Endavia
Untreated	Untreated	Untreated	Untreated	Untreated	Untreated

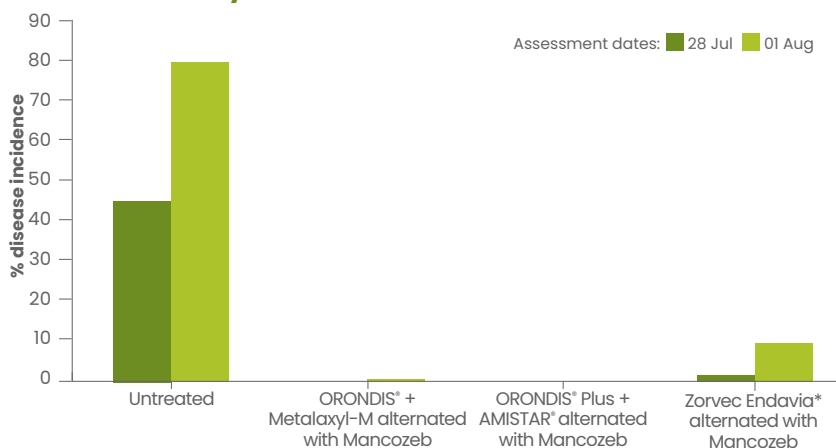
Weekly applications of Oxathiapiprolin + Metalaxyl-M alternating with Mancozeb showed:

- Better disease control than standard treatments
- Reliable, season-long protection
- Improved crop quality and yields
- Robust performance under high disease pressure

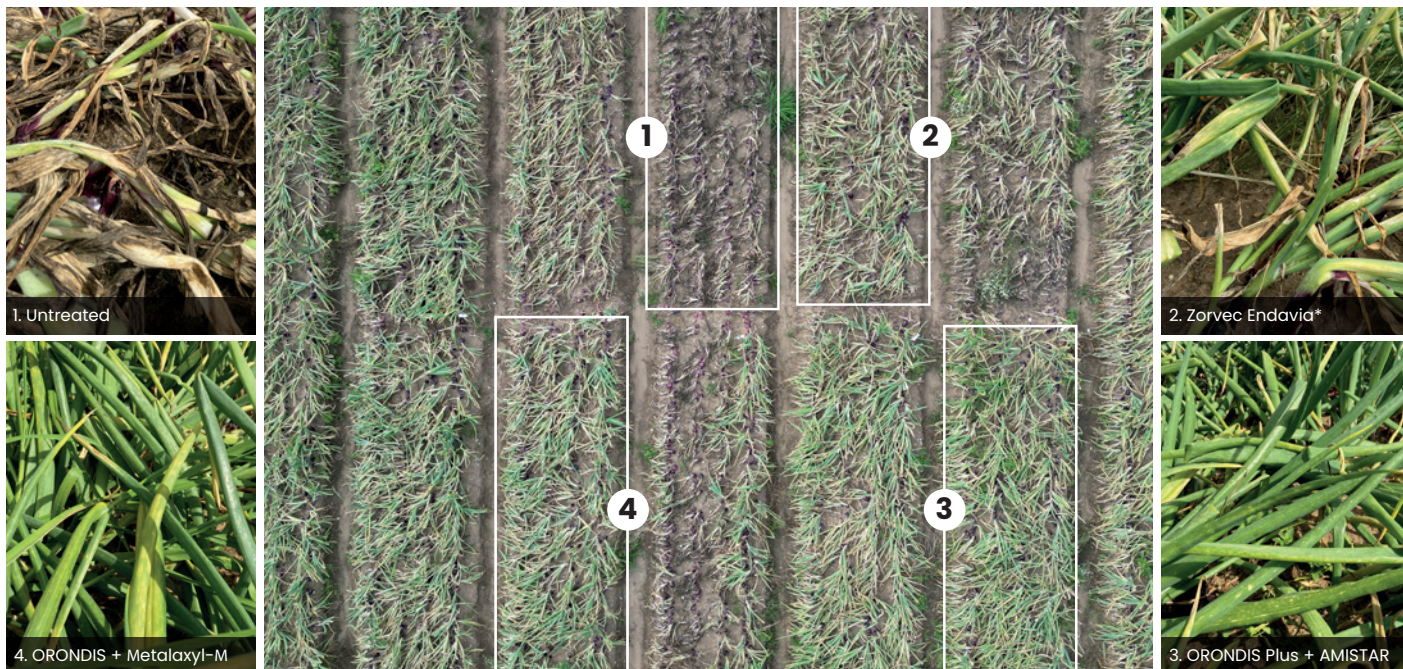
This demonstrates dependable, high-performance downy mildew control essential for premium crop production and high yields.

* Zorvec Endavia is a trademark of Corteva Agriscience

Onion downy mildew % incidence, Suffolk



Previous trials have shown that ORONDIS® Plus with AMISTAR® provides optimum efficacy when used with an adjuvant such as Activator 90. Pictures below illustrate the level of control seen in the trial.



 **Orondis® Plus**

 **syngenta.**