

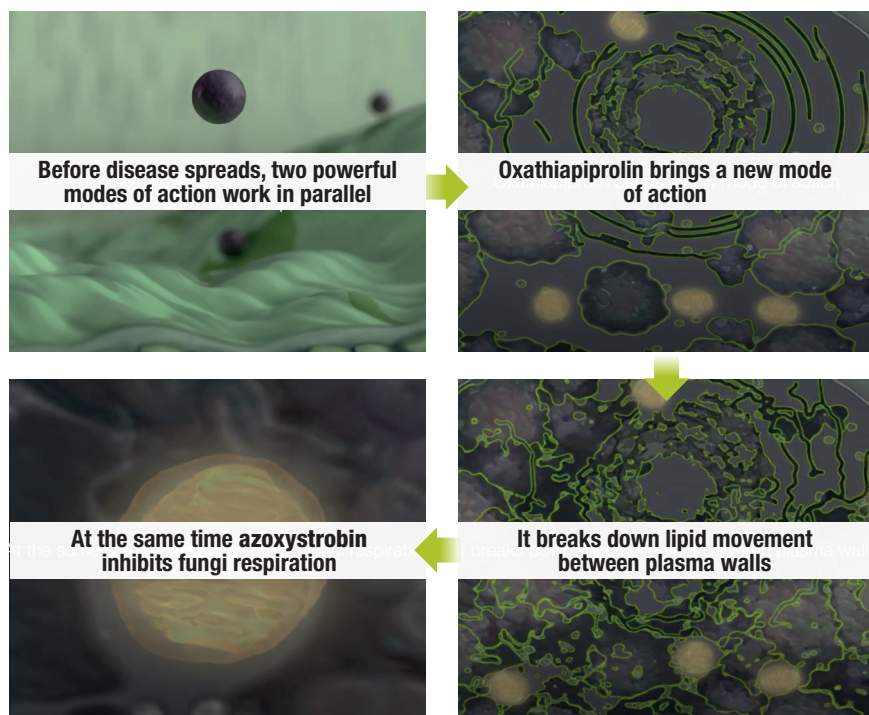


HOW DOES ORONDIS® PLUS WORK?

ORONDIS Plus is based on new chemistry, oxathiapiprolin (OXTP) which is highly active at low dose rates.

OXTP is most active against oomycetes, it inhibits oxysterol binding protein (OSBP) which is needed by the fungi to allow movement of lipids between membranes.

The product moves into the leaves of the crop where it is held available to protect against disease.



As well as being approved for use in lettuce crops, ORONDIS Plus can also be used in certain alliums. A summary of the product claims is given below:

Crop	ORONDIS Plus Max individual dose	AMISTAR Max individual dose	Max 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

To minimise the risk of fungicide resistance developing Syngenta always recommend that ORONDIS Plus be applied in combination with AMISTAR.

MAIN MESSAGES

- ORONDIS Plus is based on new chemistry which is very active at a low dose
- 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 lettuce from *Bremia lactucae* through the season

AVAILABILITY TO THE MARKET

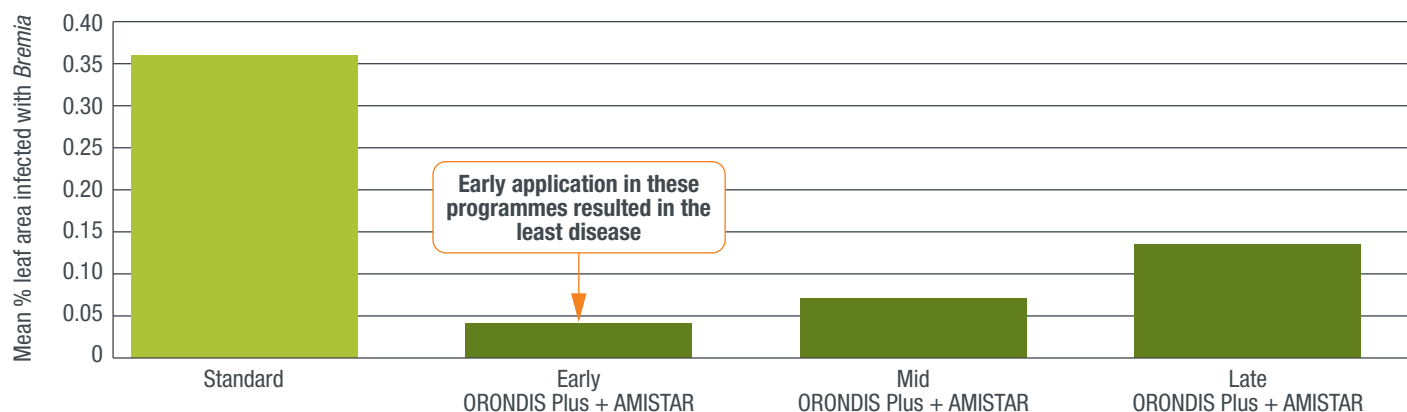
To maintain the effectiveness of oxathiapiprolin (ORONDIS Plus) as a first-class material for control of downy mildew, the active substance should always be used in combination with an effective partner. ORONDIS Plus from Syngenta will be available as a co-pack with AMISTAR to ensure that growers have the correct amount of both materials for optimum disease control.

CONTROL OF DOWNY MILDEW (*Bremia lactucae*) IN LETTUCE

Trials work in the 2020 season with Stockbridge Technology Centre showed that ORONDIS Plus with AMISTAR could be used successfully in a fungicide programme to help protect against this potentially devastating disease. Additional trials work in 2021 provides further evidence on how best to position within a fungicide programme.

Several assessments of disease were made during the season. The chart below shows the assessment from the 30th September. All the fungicide programmes resulted in significantly less disease than the untreated. There were no significant differences between the programmes, however the results do indicate that using ORONDIS Plus with AMISTAR is likely to be most effective when used early in a programme.

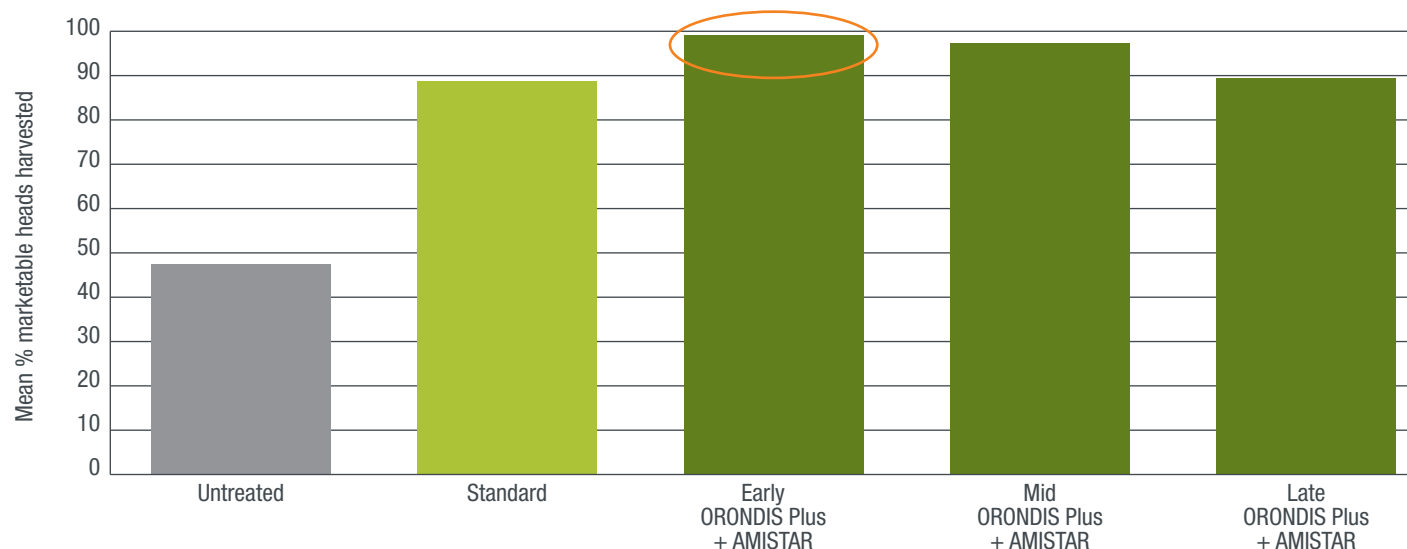
Early application of ORONDIS Plus with AMISTAR gave the best control of downy mildew



The mean area of leaf infected in the untreated control was 17.3 % on 30th Sept.

At the end of the season the trial plots were harvested, and the proportion of marketable lettuce heads was assessed. All the fungicide programmes delivered more marketable heads than the untreated control. Numerically the early season use of ORONDIS Plus with AMISTAR was most effective at delivering marketable lettuce heads.

Early application of ORONDIS Plus with AMISTAR gave the highest proportion of marketable heads



The last two seasons trial work with Stockbridge Technology Center has shown that ORONDIS Plus with AMISTAR can make a valuable contribution to controlling *Bremia* in lettuce crops.



Orondis[®] Plus

syngenta.