

Leek Disease Control

The main foliar diseases of leeks are rust and white tip. Both diseases can cause significant yield loss.

White Tip (*Phytophthora porri*) key points

- Soil borne disease, rotation important (5 years recommended).
- Cool and wet conditions promote germination of soil resting spores (Oospores).
- Rain splash is the dominant driver of epidemic spread, so heavy rain and irrigation may increase disease risk, especially when combined with optimum temperatures (15–20°).



Leek Rust (*Puccinia porri*) key points

- Infection is spread by wind as the main dispersal method.
- Optimum temperature for disease progression between 10–20°C, with high humidity and prolonged leaf wetness further promoting disease.



Fungicide strategy

- Both diseases usually increase in incidence through late summer and into the autumn. But it is important to protect the canopy as it develops to ensure disease doesn't establish in the lower canopy.
- Early in crop growth, while the canopy is open and disease risk is low, AMISTAR® is an ideal solution for broad spectrum disease control.
- As the crop canopy thickens and disease risk increases, the combination of azoxystrobin and difenoconazole in AMISTAR® Top brings robust disease control.
- At the first sign of rust, or where risk is high, ELATUS® Plus will give the highest level of control. An application of ELATUS® Plus in the autumn will help ensure crops are clean for overwintering.

Amistar®

MAPP No. 18039 — Leeks.

Maximum individual dose: 1 l/ha.

Maximum number of treatments per crop: 3.

Minimum spray interval: 12 days

Latest time of application: 21 days before harvest.

Diseases controlled: Leaf rust (*Puccinia porri*), Purple blotch (*Alternaria porri*) moderate control, White tip (*Phytophthora porri*) moderate control.

AmistarTop®

MAPP No. 18050 — Leeks.

Maximum individual dose: 1 l/ha.

Maximum number of treatments per crop: 1.

Latest time of application: 21 days before harvest.

Diseases controlled: Leaf rust (*Puccinia porri*), Purple blotch (*Alternaria porri*) moderate control, Qualified recommendation: may give some control of White tip (*Phytophthora porri*).

Elatus® Plus

MAPP No. 17841 — Leeks.

Maximum individual dose: 0.5 l/ha.

Maximum number of treatments per crop: 1.

Latest time of application: 21 days before harvest.

Diseases controlled: *Puccinia spp.*

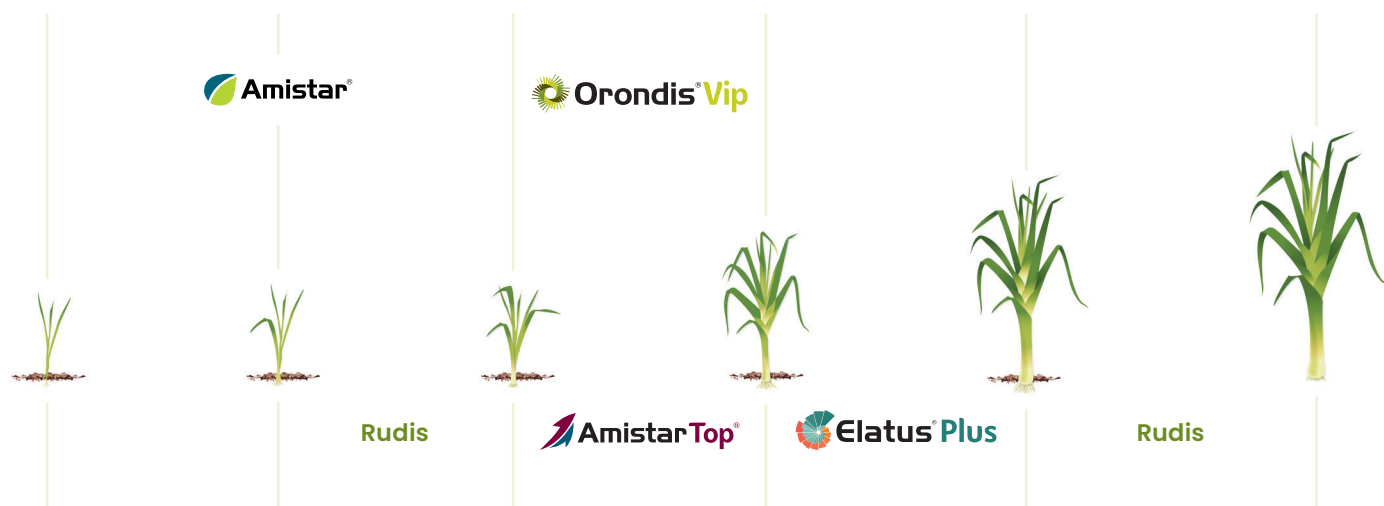
A potential fungicide strategy

White tip control focus

At first signs of disease incorporate ORONDIS® Vip with the rust strategy to ensure robust control. Use in alternation with other products if later applications are needed.

Insect control

Thrips are an annual issue causing leaf damage and reducing marketability of the crop. MINECTO® One has an EAMU for use on onions. Use of MINECTO® One may also contribute to the control of Leek moth.



Foliar nutrition and bio-stimulant strategy

Trace elements are routinely recommended for allium crops including leeks, the following suggested strategy is a guide.

- **Manganese (Mn)** – foliar applications start after the crop is well established, three applications during early growth at 14 day intervals should be adequate.
- **Boron (B)** – Application once the crop has adequate leaf for good interception. On light sandy soils two applications are recommended.
- **Zinc (Zn)** – Use application timings as Manganese.

Maxicrop™ Concentrate

Apply the first application once the crop has adequate leaf and repeat with the first two fungicide applications to help promote root growth.

Megafol™

Trials in other crops have shown that MEGAFOL® can help protect crops during cold and wet weather. Applications through the autumn with fungicides are recommended to help promote crop resilience and protect quality in over wintering crops.

Orondis® Vip

MAPP No. 21443 – Leeks.

Maximum individual dose: 0.5 l/ha.

Maximum number of treatments per crop: 2.

Minimum spray interval: 12-14 days.

Latest time of application: 14 days before harvest.

Diseases controlled: White tip (*Phytophthora porri*) moderate control.

Minecto™ One

MAPP No. 18649 – Leeks.

Two EAMU approvals: 20230557 and 20230558.

Maximum number of applications and application rate: Dependant on EAMU.

Latest time of application: 14 days before harvest.

syngenta®