



ORIUS[®] P

excellent rust control & ear disease protection at T3

The combination of active ingredients in ORIUS P delivers outstanding efficacy against *Fusarium graminearum*, *F. culmorum* & *Microdochium spp.* when applied to wheat in ear.

In addition, ORIUS P provides comprehensive rust protection that works to preserve yield & grain quality through to harvest – particularly important in a high disease pressure season!

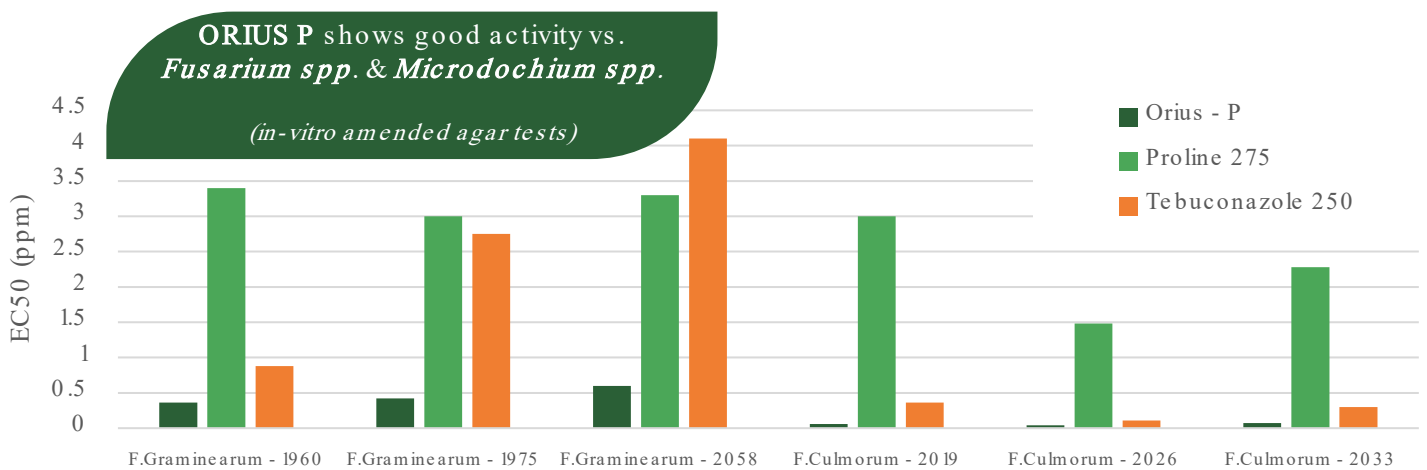
Control of fusarium species **reduces the risk of exceeding DON and ZON** (deoxynivalenol & zearalenone) mycotoxin levels at mills & ports.

*Nufarm's Agronomy Solution
comprehensive rust protection &
ear disease complex reduction*



ORIUS[®] P 1.0 - 1.5 l/ha

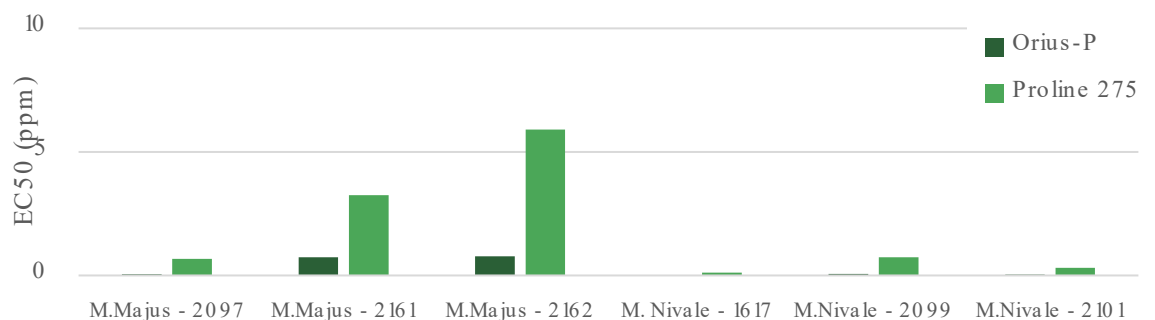
winter & spring wheat, rye & triticale



EC₅₀

The concentration that inhibited pathogen growth by 50%.

The lower the number, the more effective the product!



- ORIUS P delivers **excellent late-season yellow & brown rust control**.
- Control of fusarium comes from **protectant treatments, ideally applied before rain falls on wheat crops at early-mid flowering (BBCH 61-65)**.





Ear disease identification – what are the concerns?

F. culmorum is spread by **rain splash** while *F. graminearum* is spread through **wind dispersal**.

Favours wet & humid conditions, 18-20°C. Mycotoxin producers (DON & ZON).

Fusarium spp. infections show as **bleached ears with shrivelled grains** white or pinkish in colour. Rachis also bleached where infection has advanced, all grains above infection site will be affected.

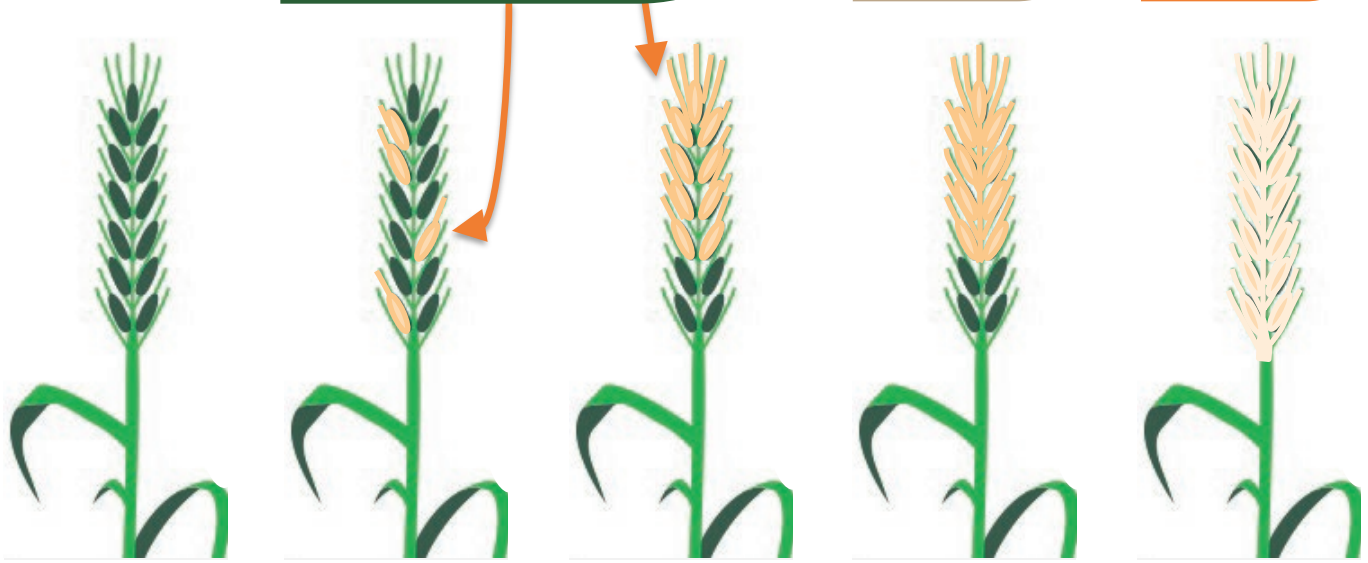
Microdochium nivale & *Microdochium majus* are spread by wind dispersal. Can develop in cooler conditions than *Fusarium spp.* (from c.15°C) but does not produce mycotoxins.

- Low level infection = odd grains affected per ear.
- Higher level infection can be confused with *Fusarium spp.*

Microdochium spp.
 Rachis not bleached, only infected spiklets/ grains affected. High levels of infection can be confused with *Fusarium spp.*

Fusarium spp.
 Rachis bleached, all grains above infection site affected

Eyespot
 White heads appear scattered throughout crop, lesions penetrate into stem base, may become detached



FURTHER INFORMATION

Nufarm Technical updates are eligible for 2 BASIS CPT/year Ref: CP/138265/2425/g. Email claim to linda@basis-reg.co.uk

Orius P contains tebuconazole and prochloraz.

Orius is a trademark of Nufarm.

Proline 275 contains prothioconazole.

Proline is a trademark of Bayer.

Details of application rates and timings are given in Nufarm labels and product literature; both of which can be accessed from our website www.nufarm.com/uk. Alternatively, ring the Nufarm helpline on 01274 694714, Monday to Friday 9.00 - 17.00

Use plant protection products safely. Always read the label and product information before use. For label and safety information, refer to the Nufarm website www.nufarm.com/uk. Nufarm UK Ltd, Wyke Lane, Wyke, Bradford, BD12 9EJ.

