



## **ORIOUS® P** excellent rust control & ear disease protection at T3

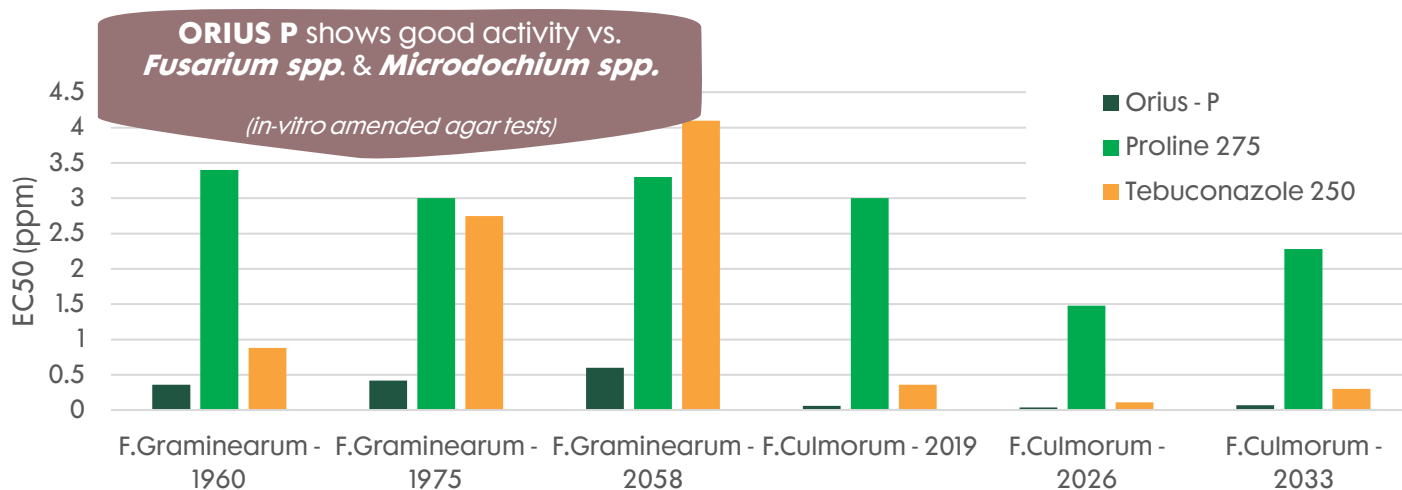
The combination of active ingredients in ORIOUS P delivers outstanding efficacy against ***Fusarium graminearum*, *F. culmorum* & *Microdochium spp.*** when applied to wheat in ear.

In addition, ORIOUS 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

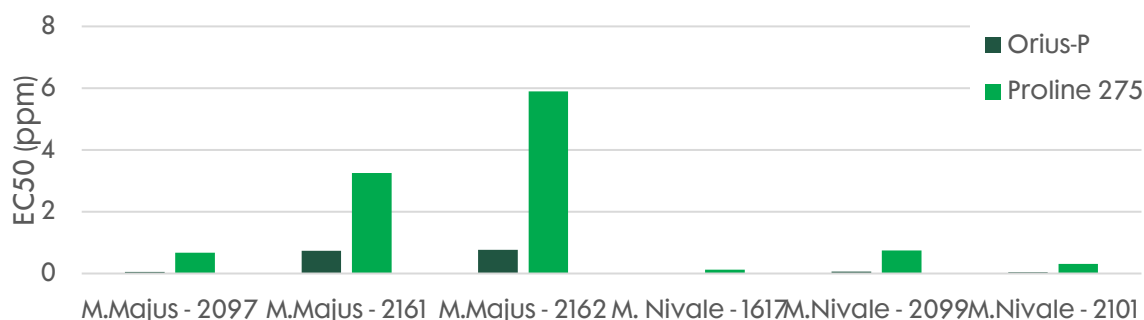

**ORIOUS® P 1.0-1.5 l/ha**  
winter & spring wheat, rye & triticale



### EC<sub>50</sub>

The concentration that inhibited pathogen growth by 50%.

**The lower the number, the more effective the product!**



- ORIOUS 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 ID parade – 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/128807/2324/g. Email claim to [linda@basis-reg.co.uk](mailto: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](http://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](http://www.nufarm.com/uk). Nufarm UK Ltd, Wyke Lane, Wyke, Bradford, BD12 9EJ.