

## Flag leaf and ear fungicides drive profitability in winter wheat



*Irish trials consistently demonstrate the benefits of robust fungicide programmes at T2 and T3*

### In Brief

The flag leaf and ear fungicides will have a major impact on yield, quality and ultimately on profitability of winter wheat

SDHI chemistry is essential at T2 for disease control and greening effects. SEGURIS delivers long lasting control of all key diseases as well as maintaining green leaf

AMISTAR OPTI at T3 has proven year after year to deliver higher yields, better quality and higher profitability

MAGNELLO is a triazole combination designed to optimise *Septoria* and *Fusarium* control and is an ideal partner for AMISTAR OPTI at T3

## SEGURIS – all the benefits of SDHI chemistry at T2

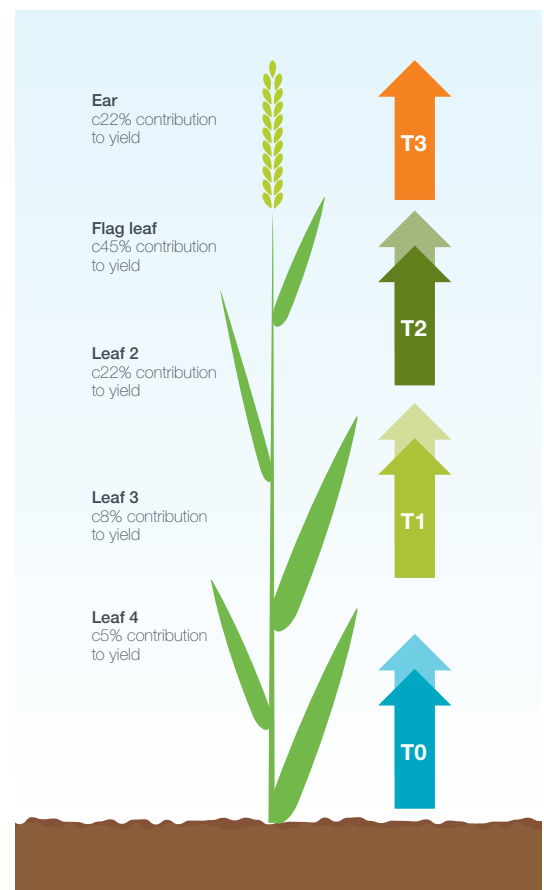
The flag leaf and ear together contribute in the region of 70% of final yield in winter wheat. Fungicides must optimise the grain filling potential of the crop over the full grain filling period (9–10 weeks).

The well documented decline in triazole activity on *Septoria* was clearly visible in the field in 2012. SDHI chemistry proved its worth, both in terms of disease control and yield and T2 programmes in wheat must revolve around SDHI based fungicides.

2012 trials have also demonstrated that in a robust programme all of the newer SDHI based fungicides tend to perform very similarly – both in terms of disease control and yield.

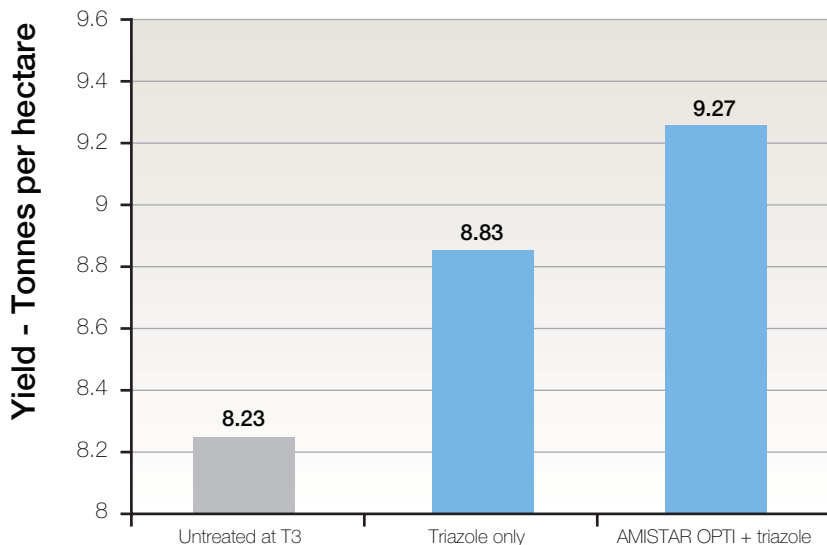
SEGURIS contains isopyrazam (IZM), an advanced SDHI fungicide, and epoxiconazole. This combination in tank mix with BRAVO will be an excellent choice at T2 this year.

- Leading SDHI chemistry with proven ability to control *Septoria* and other diseases
- Proven longer persistence than alternative fungicides
- A combination of the three leading *Septoria* fungicide groups
- Excellent value for money



# AMISTAR OPTI at T3 delivers year after year

Average of six trials over five years 2009–2012



Standard T1 and T2 applied to all treatments

- Over many years of trials AMISTAR OPTI + triazole has delivered yield responses in the order 0.45 t/ha over triazole alone. The breakeven point for inclusion of AMISTAR OPTI at current grain prices is less than 0.15 tonnes per hectare
- Green leaf retention and the longer lasting disease control associated with AMISTAR OPTI is crucial in the run up to harvest and especially beneficial if harvest is delayed
- AMISTAR OPTI delivers a robust dose of chlorothalonil – an important anti-resistance constituent of the T3 fungicide
- In three years of trials MAGNELLO has consistently outperformed other leading triazole treatments at T3
- The triazole combination in MAGNELLO offers an alternative sensitivity profile to the triazoles applied with the principle SDHI + triazole combinations at T2
- Both AMISTAR OPTI and MAGNELLO offer excellent value for money

## Core Recommendations – T2 and T3

**T2: Apply SEGURIS 0.8–1.0 l/ha + BRAVO 1.0 l/ha at full flag leaf emergence (GS39)**

**T3: Apply AMISTAR OPTI 1.25–1.5 l/ha + MAGNELLO 0.8 l/ha at early flowering**

## New Magnello® an ideal combination of triazoles for T3 in winter wheat

MAGNELLO is a combination of difenoconazole (active ingredient in SCORE) and tebuconazole (widely used triazole at T3). Difenoconazole delivers excellent *Septoria* control. Tebuconazole is a leading triazole for reduction of *Fusarium spp.* and rust as well as supplementing activity on *Septoria*. Both triazoles bring strong control of sooty moulds.

This combination of triazoles in MAGNELLO optimises disease control and leaves crops with a bright, golden appearance.

MAGNELLO can be used alone but it is the ideal triazole partner for AMISTAR OPTI at T3 timing.

## Aims of the T3 fungicide timing

### Improve yield

Foliar diseases (e.g. *Septoria tritici* and rusts) and ear diseases (e.g. *S.nodorum* and *Fusarium*) can cause significant green area loss. Ears and flag leaves contribute about 60% to wheat yield, and T3 fungicides not only protect ears but also flag leaves.



### Maximise quality

By protecting 'green area', T3 fungicides help grains to continue filling – with each extra day of green area having the potential to increase **specific weight by 0.2 kg/hl**.

Protection against sooty moulds on ears also helps produce brighter grain samples.

