Opus 125 – more than the active ingredient

NUFARM OPUS® 125 FUNGICIDE
Opus 125 is a suspension concentrate formulation containing 125 grams per litre of epoxiconazole with unique characteristics that means it stands out from other triazole fungicides.

More than just the active ingredient, the Opus formulation also has a number of other ingredients that have been carefully selected and individually optimised to create the best formulation possible.

These include:
- Solvents
- Wetting agents
- Anti-freezing agents
- Microbiocide
- Dispersion agents
- Stabilisers
- Anti-foaming agents
- Microbiocide

These formulants have a significant influence on:
- Biological performance
- Stability during storage and application
- Selectivity
- Tank mix compatibility
- Quality and uniformity

Opus has been on the market in Europe for more than 10 years and the formulation has been continuously improved over the years. Given that technical epoxiconazole is insoluble in almost any medium, BASF have been successful in establishing a patented formulation with the Opus 125.

Some formulation variations are shown in the following images where key attributes have been tested.

These key formulation criteria are:
- Consistency
- Tankmix compatibility
- Primary binding
- Retention
- Disease control
- Rainfastness

Summary
Fungicides are very complex formulations. They require precise composition of a range of formulants to maximise biological performance and stability.

Opus 125 is the tried and tested epoxiconazole formulation that leads the Australian market. These images show why Opus is the superior epoxiconazole formulation available.
Primary binding

Superior primary binding of droplets with Opus

Retention

Amount of Opus sticking on crop

- Test product is applied together with a fluorescence tracer
- Plants are washed in soda sud
- Quantification by measurement of the fluorescence tracer concentration in wash off

Disease control

Opus v generic product

Sprayed at 2 May - at 10% disease incident. Photo taken 26 May.

Variety Riband. Location Limburgerhof, Germany 2005.

This is a UK result showing the performance of Opus against net blotch with one application. There is a 340kg yield advantage to Opus. Considering higher yield barley crops, taking 50% of the result gives a 170kg yield advantage to Opus.

Example: At a feed barley price of AU $220/tonne the economic result from this trial is an advantage to Opus of $74.80/ha. With reduced yields, the dollar per tonne advantage of Opus is proportional.

Rain fastness

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