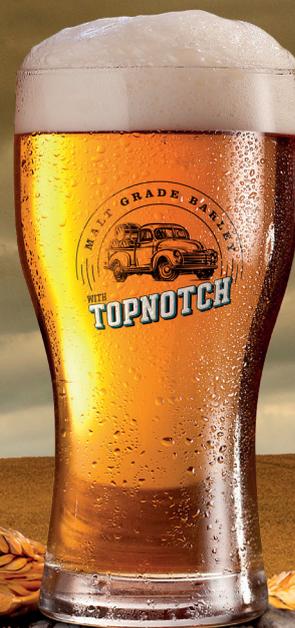




ADAMA

**TOPNOTCH<sup>®</sup>**

The perfect brew for barley and wheat.



## Product overview

Topnotch<sup>®</sup> is a 'fully-loaded' combination of the two best-in-class fungicides for premium control of foliar diseases in barley and wheat. It contains 200 g/L azoxystrobin and 200 g/L propiconazole, two highly effective active ingredients from the strobilurin and triazole fungicide families, in a unique suspo-emulsion (SE) formulation. Topnotch combines two distinctly different modes of action (Group 3/11) for improved spectrum, efficacy and resistance management.

Topnotch is registered for the control of Leaf Rust, Net Blotch (net and spot form), Powdery Mildew and Scald in barley; and Septoria Nodorum Blotch, Septoria Tritici Blotch, Powdery Mildew, Leaf Rust, Stem Rust, Stripe Rust and Yellow Spot in wheat.

## Mode of action

**GROUP 3 | 11 FUNGICIDE**

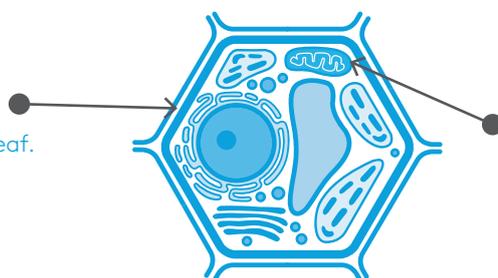
Topnotch provides protectant and curative activity across key stages of the fungi life cycle to maximise yield potential. The combination of the strobilurin and DMI modes of actions ensures infections are targeted from the time of spore germination on the leaf surface through to mycelial development within leaves. The application of Topnotch before the development of disease can significantly reduce the establishment of a wide range of foliar diseases and maximise the potential of high yielding cereal crops.

### DMI component

*Ergosterol synthesis inhibitor.*

Rapidly absorbed into leaves and transported acropetally to provide uniform protection throughout the leaf.

Active on the vegetative mycelia of the fungi with limited direct activity on spores.



### Strobilurin component

*Intervenes in the respiratory chain and inhibits energy production.*

Inhibits spore germination and host penetration during the early stages of fungal vegetative growth.

Extended residual activity on spore germination.

## At a glance

<b>Broad spectrum</b>	Topnotch provides highly effective control of all major foliar diseases in barley and wheat.
<b>Two modes of action</b>	Topnotch contains two distinctly different modes of action (Group 3/11) for improved spectrum, efficacy and resistance management.
<b>Use pattern</b>	Topnotch provides protectant and systemic activity across key stages of the fungi life cycle to maximise yield potential.
<b>Systemicity</b>	Systemic and translaminar.
<b>Unique formulation</b>	Topnotch is a unique 'co-formulation' that contains a high loading of the best actives from the strobilurin and triazole families in a patented suspo-emulsion formulation for maximum efficacy and safety.
<b>Compatibility</b>	Topnotch is compatible with a wide range of herbicides, insecticides and foliar fertilisers for one pass control.
<b>Value</b>	Topnotch delivers a strong return on investment by protecting yield potential and quality.
<b>Australian innovation</b>	Topnotch was developed by ADAMA for use in Australian conditions.

# Topnotch®

## Application rate and timing

Topnotch should be applied at 200 to 600 mL/ha when conditions favour disease. The optimum timing may vary depending on the crop type, growth stage, disease type and weather conditions but should be applied *before* high levels of infection have developed within the crop. The most cost-effective time for application is typically between stem elongation and full head emergence (GS 30–59). DO NOT apply more than 800 mL/ha of Topnotch per season.

## Application technique

**Ground application:** Apply in a medium or coarse spray quality in 50–100 L water/ha. Use the higher water volume in crops with heavier canopies.

**Aerial application:** Apply a minimum of 10 L water/ha although 20–30 L water/ha is recommended for optimum coverage.

## Rainfastness

Topnotch is rainfast four hours after application for light rainfall events (i.e. ≤10 mm rain providing the spray has dried). Heavy rainfall occurring after application may reduce residual efficacy. DO NOT apply Topnotch if heavy rain or storms are forecast.

## Adjuvants

There is no need to use surfactants or wetters when applying Topnotch. However, the use of Hasten\* 0.5–1%† can improve the efficacy of Topnotch against Leaf Rust, Net Blotch (net form) and Scald in barley and Septoria Tritici Blotch and Yellow Spot in wheat when applied ≤ 300 mL/ha. Refer to registered label for details. The use of an adjuvant when Topnotch is applied at ≥300 mL/ha has not been tested and is not recommended.

## Withholding periods

- DO NOT harvest cereal crops treated with Topnotch for six weeks after application.
- DO NOT graze or cut cereal crops treated with Topnotch for 21 days.
- DO NOT slaughter animals destined for export within seven days of consumption of treated cereal forage or straw.

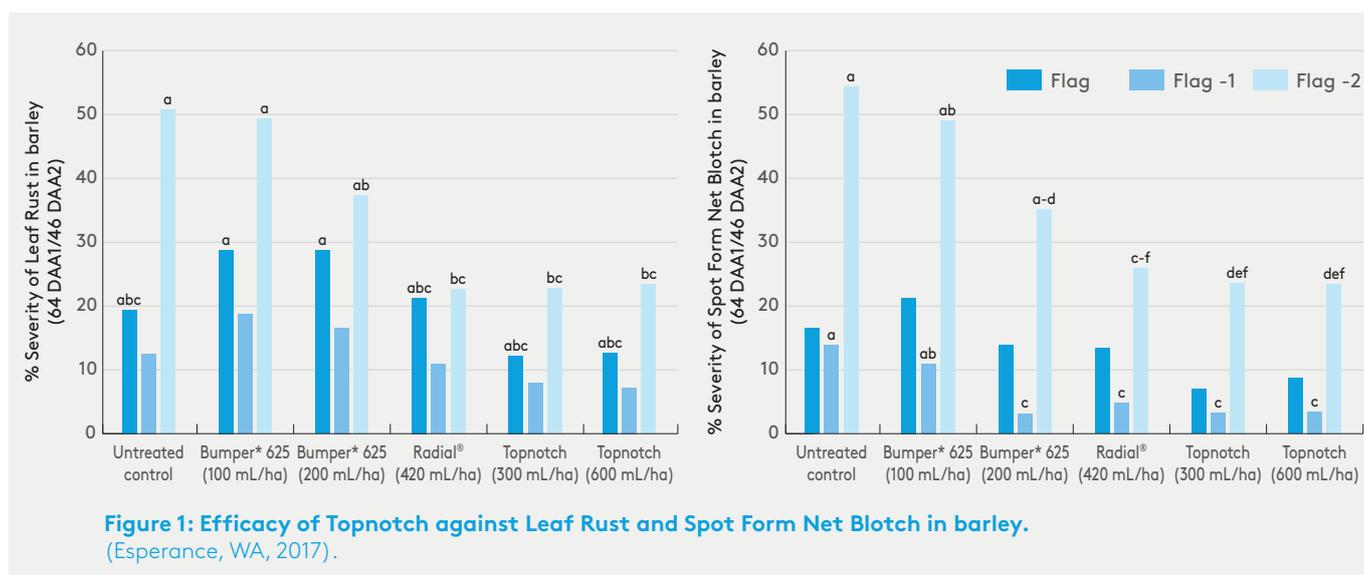


Figure 1: Efficacy of Topnotch against Leaf Rust and Spot Form Net Blotch in barley. (Esperance, WA, 2017).



Scan here for more information

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