



ADAMA

Radial[®] Opti

Performance optimised.

Product overview

Radial[®] Opti is a broad spectrum foliar fungicide for use in wheat, barley and oats, combining market leading strobilurin and triazole active ingredients.

- New suspension concentrate formulation
- Contains 320 g/L of azoxystrobin and 250 g/L epoxiconazole
- Optimised for Australian diseases and conditions
- Excellent crop safety – extensively tested on multiple varieties and situations
- Extended protectant activity
- Highly compatible with commonly-used insecticides and fungicides
- Dual modes of action for resistance management

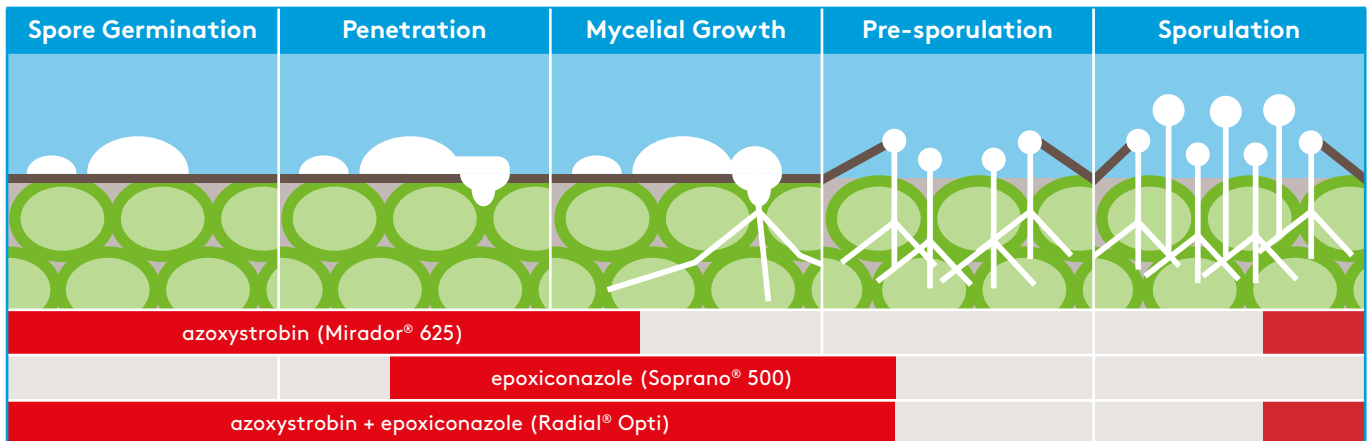
Mode of action

GROUP 3 | 11 FUNGICIDE

Radial Opti is a co-formulation of members of the DMI (demethylation-inhibitors) and strobilurin (Quinone outside Inhibitors - Qols) group of fungicides and has activity across multiple stages of the disease life cycle.

The triazole component (epoxiconazole) inhibits ergosterol production, an essential component of the membranes of a wide range of fungi. Epoxiconazole has a strong inhibitory effect on fungal hyphae and mycelia and has the ability to interrupt fungal growth in plant tissue.

Azoxystrobin inhibits the respiration of fungi by binding to the mitochondrial cytochrome and blocking electron transfer. When applied before disease infection, azoxystrobin provides excellent protection and has long residual activity.



Radial[®] Opti has activity across multiple stages of the disease life cycle.

Highly effective

Little or no effect

Radial® Opti

Standard recommendations

Wheat

Leaf rust, Yellow spot, Septoria nodorum blotch, Septoria tritici blotch, Stem rust, Stripe rust and Powdery mildew: 125 mL to 250 mL/ha. Apply when conditions favour disease development and prior to incidence of high levels of disease in the crop. Aim to apply between mid-tillering and complete ear emergence (GS 25-59).

Barley

Leaf rust, Leaf scald, Spot form of Net blotch, Net form of Net blotch and Powdery mildew: 125 mL to 250 mL/ha. Apply when conditions favour disease development and prior to the incidence of high levels of disease in the crop. Apply from mid-tillering (GS 25) onwards. Repeat spraying may be required, particularly if infection pressure persists. Use the higher rate when disease pressure is high.

Oats

Leaf rust, Stem rust, Septoria leaf blotch: 125 mL/ha. Apply from the tillering stage (GS21-22) when conditions favour infection and before the development of high levels of disease in the canopy. After application, continue to monitor crops and apply an additional spray if required. DO NOT apply later than GS59 as yield responses are unlikely.

Ground application

Apply in a water volume of between 50 and 100 L/ha using a medium quality spray. Use the higher water volume in crops with heavier canopies.

Aerial application

Apply with suitable aircraft, set up and operated to apply fungicides to cereal crops in a water volume of between 20 and 30 L/ha using a medium quality spray. Use the higher water volume in crops with heavier canopies.

Rainfastness

Radial Opti is rainfast two hours after application for light rainfall events (≤ 10 mm rain), providing the spray has dried. A longer interval may be required under slow drying conditions. DO NOT apply Radial Opti if heavy rainfall (> 10 mm) is forecast within four hours of application or if run-off from treated fields is anticipated within 48 hours of application.

Adjuvant use

Radial Opti may be applied with an adjuvant for optimal disease control, residual activity and yield potential. The use of esterified seed oil adjuvants, such as Hasten* or Banjo*, or the highly refined paraffinic spray adjuvant, Biopest*, with Radial Opti can cause minor foliage damage. However, field trials have confirmed these effects do not negatively impact disease control, crop yield or grain quality.

Crop	Disease(s)	Radial Opti application rate	Adjuvant and application rate
Barley	Net form net blotch	125–250 mL/ha	Hasten/Banjo oil (1% v/v)
Wheat	Leaf rust Septoria tritici blotch		Hasten/Banjo oil (1% v/v)
Oats	Septoria leaf blotch Leaf rust	125 mL/ha	or Biopest* oil (1% v/v)



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