



Azoxy 95 Fungicide

For the control of various diseases of turf

Technical Brief

Active Ingredient:	95g/L azoxystrobin
Chemical Family:	Methoxy acrylate
FRAC Code:	11 - Quinone outside Inhibitors (QoIs)
Formulation:	Dispersible concentrate (Micro-emulsion on dilution)
Mode of Action:	Azoxystrobin is a member of the strobiluron fungicide group, and acts on the fungal pathogen outside and inside the plant at the early stages of infection and stops disease development by interfering with ATP biosynthesis in fungal mitochondria.
Behaviour in Plants:	Xylem systemic fungicide that delivers excellent protection for up to 28 days against a wide spectrum of turf diseases. Azoxystrobin is absorbed by the leaves and crowns of the plant, mostly within 24-48 hours of treatment. Absorption through roots (after application to the root zone) normally happens over time and is facilitated by soil moisture. It is transported acropetally (upwards) in the xylem. This systemic translocation and translaminar movement combined contributes to even distribution and longevity of the active Ingredient within the plant tissue.

Benefits

- Won't crystallise and clog nozzles
- Dispersible concentrate formulation easily forms a solution and stays suspended which allows for excellent tank mix compatibility with other fungicides and foliar fertilisers
- Consistent protection of new growth for up to 28 days after application
- No petroleum solvent or odour - increased turf safety
- Broad spectrum of major turf diseases including Anthracnose, Brown Patch and Spring Dead Spot

How to get the most out of your application

- Apply in 400 - 1000L of water per ha (volume is dependant on target disease, see application section of label).
- Azoxystrobin has excellent protective activity; best results will be achieved when Azoxy 95 Fungicide is applied prior to infection as a preventative.
- Preventative dictates that application begins when conditions are favourable for disease infection and at the very beginning of disease infection.
- When first symptoms are already visible Azoxy 95 Fungicide should be tank-mixed with a suitable early curative fungicide.

Mixing and Compatibility

Add the required amount of product directly to the spray tank and mix well. Azoxy 95 Fungicide is a dispersible concentrate formulation with minimal odour, as the product does not contain petroleum solvents. Azoxy 95 Fungicide forms a micro-emulsion on dilution with water and may be tank mixed with many commonly used fungicides and liquid fertilisers.

Azoxy 95 Fungicide is physically compatible with a wide range of products, however the biological compatibility of these mixtures may not have been fully tested under all environmental and biological conditions.

A mixture of Azoxy 95 Fungicide with any other product may in some circumstances be ineffective or may cause damage. If tank mixes are to be used observe all directions, precautions and limitations on all products to be used.

As formulations of other manufacturer's products are beyond the control of Turf Culture, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

Azoxy 95 Fungicide is compatible with the following active constituents;

- Chlorothalonil
- Propiconazole
- Iprodione
- trinexapac-ethyl (i.e. Trinex 120 ME Growth Regulator)

Tank mixing Azoxy 95 Fungicide with chlorothalonil will improve the efficacy by acting on two fronts. Chlorothalonil acts as a contact fungicide on the outside of leaves, preventing new infections. Azoxy 95 Fungicide will protect systemically on the inside of leaves.

The longevity of fungicides is generally extended when used in conjunction with a growth regulation programme of trinexapac-ethyl (i.e. Trinex 120 ME Growth Regulator).

Disease Management

SITUATION	DISEASE	RATE	CRITICAL COMMENTS
Turf	Anthracnose (<i>Colletotrichum graminicola</i>)	6 L / ha	Apply in a sufficient volume of water to achieve thorough coverage of all foliage.
	Brown Patch (<i>Rhizoctonia solani</i>)	60 mL/ 100 m ² applied in 4 to 8 L water	Apply Azoxy 95 in a preventative fungicide program containing fungicides from different chemical groups.
Grey Leaf Spot (<i>Pyricularia grisea</i>)	Begin applications before symptoms occur when conditions first favour disease and continue applications while conditions remain favourable for disease development.		
Helminthosporium Disease (<i>Bipolaris</i> spp, <i>Drechslera</i> spp, <i>Exserohilum</i> spp)	Spray interval Apply no more than 2 consecutive Azoxy 95 applications at 21 day intervals for Helminthosporium and at 28 day intervals for other diseases.		
Red Thread (<i>Laerisaria fuciformis</i>)	Refer to the Application and Resistance Management sections for detailed information.		
	Winter Fusarium (Microdochium Patch) (<i>Fusarium nivale</i>)		
	Pythium Leaf Blight, Pythium Root Rot		Apply in a sufficient volume of water to achieve thorough coverage of all foliage (Pythium Leaf Blight). Wash in within 1 hour after application (Pythium Root Rot and Seedling Damping Off).
	Seedling Damping Off (<i>Pythium</i> spp)		Apply Azoxy 95 in a preventative fungicide program containing fungicides from different chemical groups. Begin applications when conditions first favour disease development and before disease is present. Spray interval Apply 2 consecutive applications at 14 to 21 day intervals. Use the shorter spray interval when climatic conditions remain favourable for disease development over prolonged periods. Refer to the Application and Resistance Management sections for detailed information.

Note: The above table represents only a modified extract from the full registered label. Always read the full product label before use.

Packaging

Pack sizes: 1 L , 5 L



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