

Autumn disease prevention using Xzemplar[®] Fungicide

April 2024

The second edition of my Technical Bulletin has arrived. From numerous conversations and site inspection across the country during the past few weeks, there's no better topic than late growing season stressors creating diseases pressure. In this article, let me introduce you to Xzemplar, a heavy hitting fungicide.

What we know:

Australian turf managers are experiencing turf stress as we head through April with drought, rain, and humidity present throughout different parts of the country.

Since completing autumn renovations, most turf managers would assume their surfaces should be coming out of summer with good growth and health. Unfortunately, with numerous forms of stress plaguing their turf, post renovation fungicidal applications are being slotted into programs reactively to avoid surface decline as we head towards winter.

Striving for increased playability, ball roll, density, and aesthetics after autumn renovations is front of mind for turf managers as they head towards winter. Ensuring that surfaces are at their best as we head into colder weather, low light and shorter days. This scenario is a perfect fit for Xzemplar, often described as the "workhorse" in the BASF fungicide portfolio.

BASF unmatched chemistry:

Powered by Xemium, Xzemplar is a Group 7 fungicide. The Xemium technology allows the active ingredient to be moved efficiently into, and through the plant resulting in powerful, effective, and long-lasting control of the toughest turf diseases.

Figure 1: Extended Xemium activity unlike any other technology

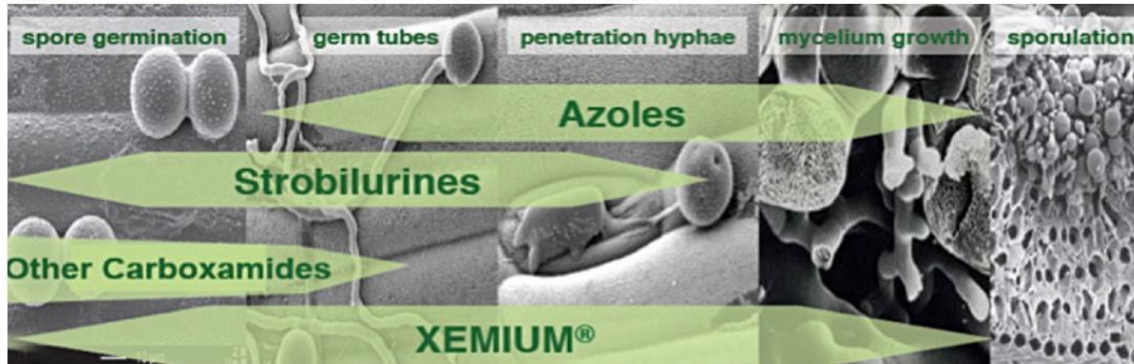


Illustration showing the Xemium powered, Xzemplar fungicide working across a broader range of the fungal lifecycle than its competitor products.

Group 7 SDHI (Succinate Dehydrogenase Inhibitors) fungicides, like the Azoles and Strobilurine products, work well, however, their efficiency is limited when compared to BASF's Xemium technology. Xemium destroys diseases by disrupting the energy supply and biosynthesis of fungal building blocks, via the respiration cycle. Other SDHI fungicides work on the fungi itself, targeting the life and infection cycles (spore germination, germ tubes, penetration hyphae and mycelium growth). Xemium works across all these fungal stages allowing faster knockdown and increased efficacy for both preventative and curative control.

At a glance:

Working faster and for longer than competitor products, Xzemplar offers turf managers many benefits:

- SC Formulation
- **Tank mixable** with partner products, such as Maxtima and Lexicon
- Very **competitive price** per Hectare
- **Low use rate** (650 - 800ml / Ha)
- Less active in the soil (195 – 240g AI / Ha)
- Best in class **safety for re-entry periods and sensitive areas** including application alongside waterways, vegetative and livestock areas and pollinators with no buffer zones (refer to the product label for full directions for use).
- Group 7 - 330g/L Fluxapyroxad
- **Curative and preventative** disease control on all turf species across all surface types



Why Xzemplar?

As a rotational partner for other fungicides in our range, Maxtima (Group 3) & Lexicon (Group 7 & 11), that are relied on for some very heavy lifting during the summer, Xzemplar is a key tool in your program for times such as these. With late season stress Xzemplar can assist in achieving a well- rounded, fungicidal approach utilising numerous chemistry groups and mode of action strategies.

Figure 2: Highly systemic distribution of Xemium in the turf leaf

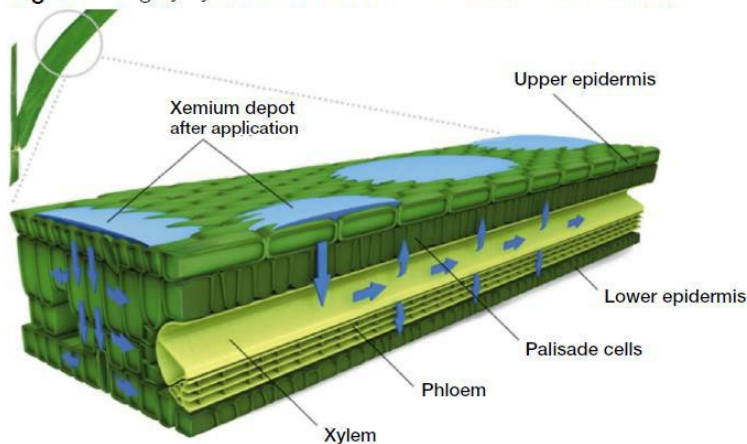


Illustration showing why Xzemplar's curative nature is superior to others, unmatched systemic distribution into and through the plant.

Some of the toughest diseases are easily managed with Xzemplar. Curative results have been observed in as little as 4 days! **This fast acting, curative management allows turf managers who aren't following a preventative program to have confidence in a reactive approach** to their disease management. Areas like golf fairways, sporting fields and turf farms are ideal for Xzemplar treatments when ad hoc diseases appear, with its fast knockdown and cost-effective price point.

Xzemplar has shown incredible results for both Fairy Ring and Dollar Spot, additionally, very strong efficacy can be expected for Brown Patch / Large Patch, *Helminthosporium* Complex (*Bipolaris* spp., *Drechslera* spp., *Exserohilum* spp.) and Leaf and Sheath Spot (*Waitea circinata* var. *zeae* or *W. circinata* var. *oryzae*).

Stewardship and further technical information:

As we strive to increase the awareness of best practice to the turf industry, we are continually revisiting our product portfolio information and refreshing the pool of knowledge we are growing every day. Our team is driven by success stories across the industry with the growing presence of products on turf shelves across Australia.

Along with this bulletin, Xzemplar Fungicide has a refreshed technical note and training presentation.

[Xzemplar Fungicide Tech Note](#) – follow

link. [Xzemplar Stewardship Video](#) -

follow link.

These product packages are designed for turf managers and their developing staff members to have access to the information behind the product label and product Safety Data Sheet.

Connect with us on [Facebook](#) and [Instagram](#) – BASF Turf & Ornamentals Australia – to stay up to date on news and events.

 **BASF**
We create chemistry