

ECOADVANCE® PREMIUM BIOLOGY

EcoAdvance® Premium Biology is a proprietary microbial inoculum coating consisting of a blend of beneficial soil microbes, nutrients, and phytohormones designed to improve soil health and plant growth.

Each granule of fertiliser is coated with active microbial spores, specifically from *Bacillus*, *Trichoderma*, and *Glomus* species. These spores are activated by water when the fertiliser is applied, enabling them to begin working in the soil. The composition of EcoGrowth rock-phosphate granules encourages microbial growth directly on the granule surface, acting as a 'seed' for EcoAdvance® Premium Biology. This growth then spreads into the surrounding soil, carrying rock-mineral nutrients with it.

**Bacillus sp. inoculated
rock phosphate granule**

**Carbon coated urea
granule**



Figure 1: EcoAdvance Premium biology inoculated granules covered with *Bacillus* species and also joined to a carbon coated urea granule, the latter providing a nitrogen source for microbial growth.

The coating acts as a starter for soil biology, helping beneficial microbes establish and multiply around plant roots. These microbes form a partnership with the roots, improving the plant's access to nutrients and water. They break down soil minerals, making nutrients such as phosphorus more available.

Special fungi in the coating extend the reach of plant roots, further enhancing nutrient and water uptake.

EcoAdvance® Premium Biology makes all nutrients bioavailable to plants by promoting vesicular-arbuscular mycorrhizae (VAM) colonisation of root cells.

BENEFITS OF USING ECOADVANCE® PREMIUM BIOLOGY PRODUCTS

- Builds biologically active, resilient soils
- Strengthens root development
- Improves nutrient and moisture access
- Supports natural soil processes
- Promotes long-term plant health and turf performance

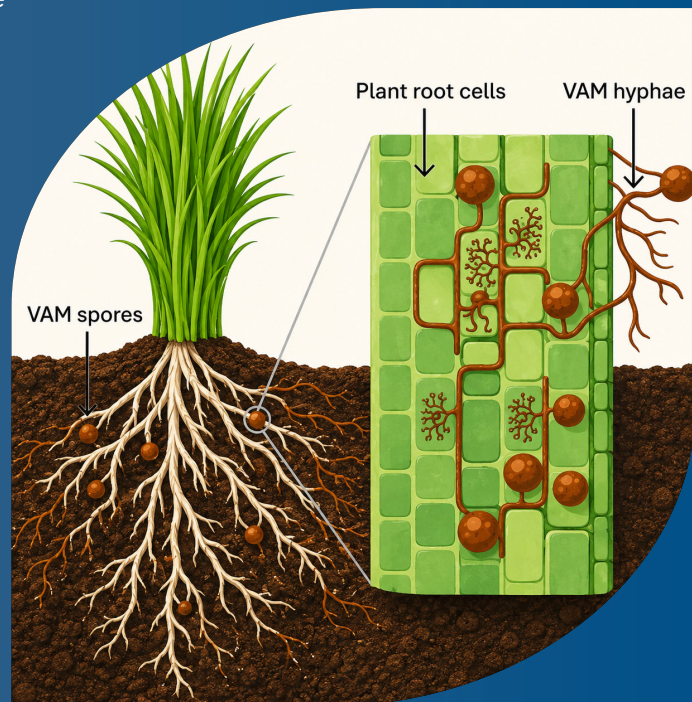
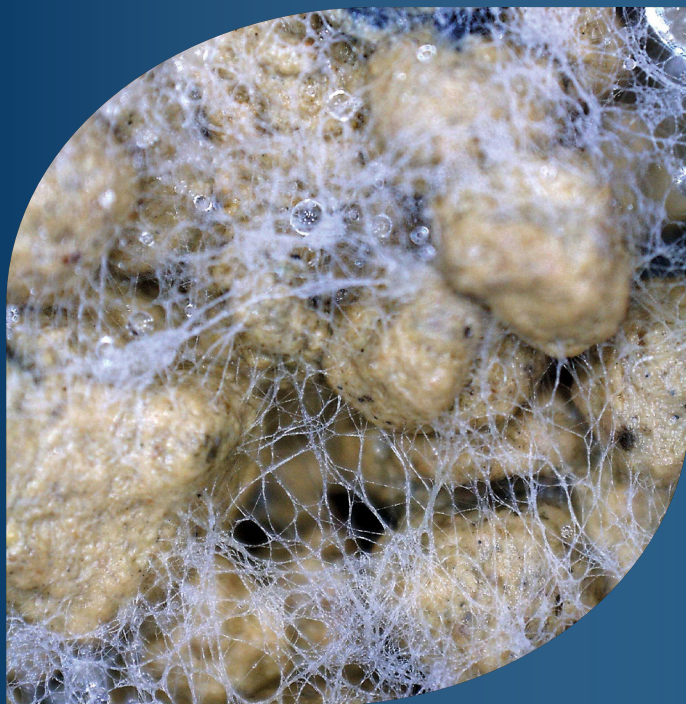


Fig 2: VAM colonising the root cells via hyphal network and helping host plant to access nutrients in the soil

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Scientific Turf Management
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