Fargro Bio-Fertiliser with Mycorrhizal Inoculant

Biological Foundation & Long-Term Performance for Sports Turf

Professional turf establishment and maintenance, driven by soil biology

Fargro Bio-Fertiliser with Mycorrhizal Inoculant is a professional turf input combining arbuscular mycorrhizal fungi (AMF) with balanced, slow-release nutrition. It is designed to support rapid establishment, efficient nutrient use and long-term surface resilience across football, rugby, cricket and golf.

The formulation works below ground, building stronger root systems that underpin stable, resilient playing surfaces.

Why Biology Matters in Sports Turf

Supplying nutrients does not guarantee uptake. Mycorrhizal fungi form a symbiotic association with turf roots, extending the functional root system and improving access to nutrients and water.

This biological network:

- Increases effective root surface area
- Improves uptake of phosphorus and key micronutrients
- Delivers nutrients in line with plant demand
- Reduces losses through leaching and fixation
- Improves tolerance to drought and stress

Once established, the network persists within the rootzone, supporting performance beyond the initial application.

Application Guidance
Establishment / Foundation

- **Rate:** 50 g/m^2
- **Timing:** At seeding or turfing
- **Method:** Apply beneath turf or within the seeding layer to ensure direct root contact

Establishment & Foundation Use

Building roots for surface performance

During seeding, turfing or renovation, turf is vulnerable to stress and inefficient nutrient uptake. Applying Fargro Bio-Fertiliser with Mycorrhizal Inoculant at this stage establishes a biological foundation that supports both early growth and long-term performance.

Key benefits at establishment:

- Faster rooting and earlier anchorage
- Increased root mass and depth
- More uniform sward development
- Improved nutrient efficiency during early growth
- Reduced establishment stress

Mycorrhizal fungi rapidly colonise developing roots, forming a secondary uptake system when demand is highest. Balanced nutrition supports shoot growth while ensuring nutrients are retained within the rootzone.

Typical uses

- Newly seeded or turfed pitches
- Pitch reconstruction projects
- Post-season renovation programmes



Maintenance & Long-Term Turf Performance

Rebuilding root structure through top dressing

For established sports turf, performance declines over time due to compaction, wear and nutrient loss within the rootzone. Fargro Bio-Fertiliser with Mycorrhizal Inoculant is suited to maintenance use where the objective is to rebuild root structure and improve nutrient efficiency in established turf. Application via top dressing following tining or spiking delivers the product directly into the active rootzone, supporting renewed mycorrhizal colonisation and root recovery.

Maintenance focus:

- Rebuilding and strengthening root systems
- Improving nutrient capture from applied fertilisers
- Supporting recovery following wear and compaction
- Enhancing surface stability over the season

As the mycorrhizal network develops, nutrients applied as part of routine programmes are used more efficiently, supporting consistent sward performance with fewer losses.

Maintenance Application:

- **Rate:** 25 g/m²
- **Method:** Apply as a top dressing following hollow tining or hollow coring
- **Purpose:** To introduce biology into the rootzone and support root regeneration and nutrient efficiency

Integration into Professional Turf Programmes

- Apply at establishment to create a biological foundation
- Re-introduce during maintenance to rebuild root systems
- Compatible with standard sports turf practices
- One application delivers long-term biological benefit



Product Overview

- Multiple species of arbuscular mycorrhizal fungi
- Minimum 500,000 propagules per litre
- Colonised root fragments, mycelium and spores
- Balanced nutrition NPK 4.2 – 0 – 1
- Developed for professional sports and amenity turf

Manufacture & Technical Confidence

Produced in the UK by PlantWorks Ltd on behalf of Fargro Ltd, specialists in soil biology and turf-relevant microbial technologies. Developed using quality standards aligned with professional sports and amenity turf programmes.

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