

Product Overview

Every plant is a world unto its own. Microscopic organisms inhabit each plant, helping them adapt to disturbance. If disturbed, simple to use microbial products can give plants the advantage; this is what we do at Functional Soils (FS). We are building biology in unnatural places, taking what we know is possible in science and bringing it into the world. After conducting rigorous field science, we find the correct microbes, and synthesize them into safe products for your use. This biotech made accessible. A data-driven scientific solution empowering you to improve plant and soil health.

This product contains several beneficial endophytes, isolated from natural environments, from a genus with no known pathogens. Endophytes are a type of fungus that live in the soil and in the spaces between plant cells, which can form symbiotic relationships with plants, residing in the roots, shoots, and leaves of plants with no apparent negative effects. FS microbes are an economical way to make your plants more adaptable, more resilient, and better supported when stressed.

What can this product do for your plants?

- **Enhance germination:** this product will help break down seed coats, increasing germination and initial plant growth
- **Increase Root Mass:** more complex root mass allows better use of nutrients and water
- **Nutrient Utilization:** our endophytes increase bioavailability of nutrients and micronutrients to the plant
- **Increase Stress Tolerance:** this product will assist with environmental stressors, such as drought or prolonged heat

Directions for Use

Turfgrass, Lawn or Sports Fields

Purpose: Maintain a balanced soil microbiome, improve nutrient efficiency, and enhance stress tolerance.

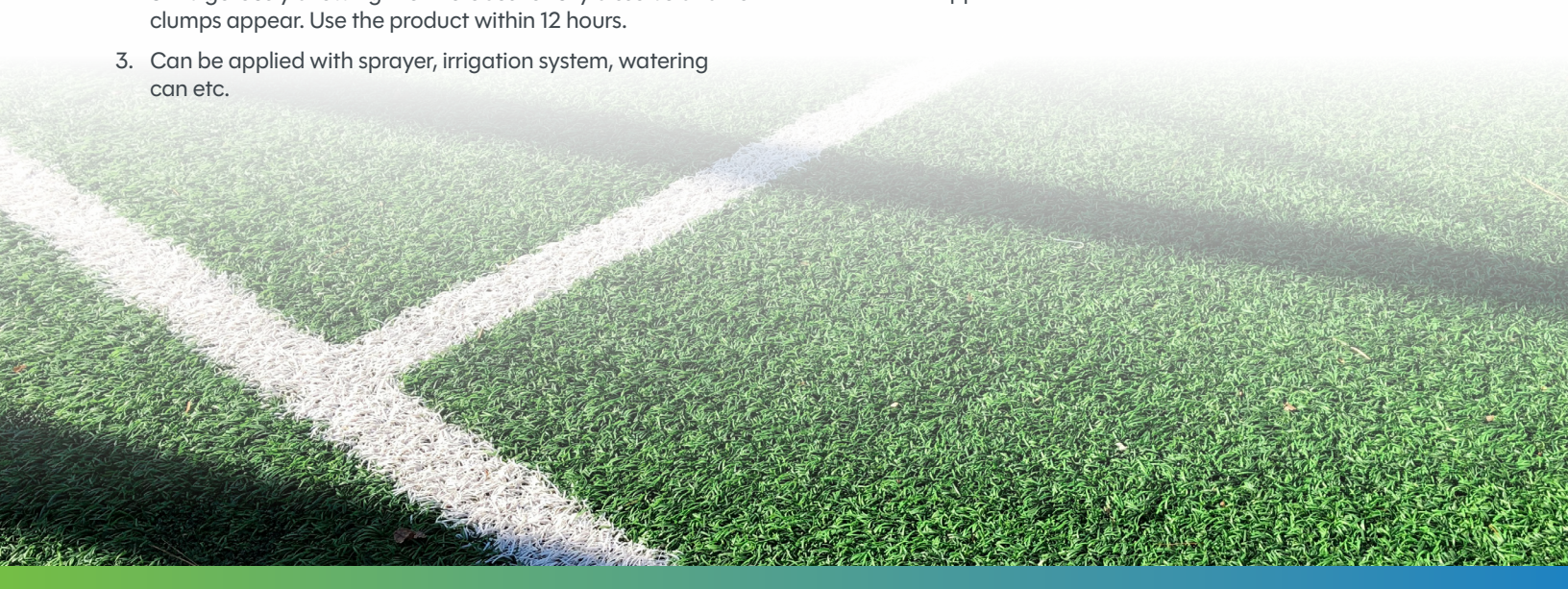
Timing: Spring green-up and throughout active growth.

Method: Foliar/soil spray, through an irrigation system, or watering can for smaller areas

1. Determine the application area. This packet, mixed in full, will provide a single application on 3500 square feet.
2. Cut open the pouch. Mix with 10 to 20 L of cold water. Stir vigorously allowing the microbes to fully dissolve and no clumps appear. Use the product within 12 hours.
3. Can be applied with sprayer, irrigation system, watering can etc.

Turfgrass application tips:

- Apply when turf is not under acute stress (avoid midday heat).
- Apply after aerification/topdressing to help microbes colonize new pore spaces and organic matter.
- For best results, combine application with balanced fertility and proper mowing and irrigation practices.
- Light irrigation after application can help move microbes into the upper root zone.



Environmental, Storage & Handling Considerations

- Store in a cool (ideally 4–20 °C), dry location out of direct sunlight. Can be kept in freezer.
- Do not expose to temperatures above 35 °C for prolonged periods.
- Keep capsules in sample container when not in use.
- Use capsules within 4 months.
- Heavy chemical inputs (especially broad-spectrum fungicides and some soil sterilants) can reduce microbial populations; allow an interval between such treatments and microbial applications whenever possible.
- For best performance, integrate with: Proper pH management, adequate organic matter, balanced fertilization and irrigation.

Safety & Precautions

- Keep out of reach of children and pets.
- Avoid contact with open wounds.
- Wear standard protective equipment: long sleeves, gloves, and eye protection when mixing and applying.
- Wash hands and exposed skin thoroughly after handling.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice if irritation persists.

Disclaimer

Use only as directed. Performance may vary depending on soil conditions, climate, and management practices. The user assumes all risk from use, storage, or handling of this product when not used according to label directions.

Ready for the next step? Let's talk!

For all product and sales enquiries: info@functionalsoils.com | www.functionalsoils.com