



Beneficial Microbial Blend

Designed for low microbial soils, **Bac-Pack** broad-spectrum microbial inoculant offers a method of rejuvenating golf course greens and other problem sports turf areas. The beneficial microbes and antioxidant compounds in **Bac-Pack** have been selected for their ability to transform soil conditions and relieve the complications of a sterile growing environment.

Whether due to low organic matter in high sand content mixes or reduced pore space and oxygen in compacted soils, **Bac-Pack's** beneficials restore biological activity which is fundamental to healthy and resilient turfgrass. The poor plant health associated with hard to manage areas will be relieved with the use of **Bac-Pack**.

Unlike standard fertilizers that just feed the plant, **Bac-Pack** supplies certain bacteria strains that compete with pathogenic fungi and nematodes for limited food supplies. These antagonistic organisms displace and supplant pathogenic organisms so that less chemical controls may be used.

With today's pressure to maximize the quantity and quality of play and the need to reduce synthetic inputs in the environment, **Bac-Pack** provides an easy way to produce healthier plants that resist negative soil conditions. **Bac-Pack** provides relief from a host of plant problems and helps sustain superior turf quality, while reducing chemical inputs.



SOILTECH

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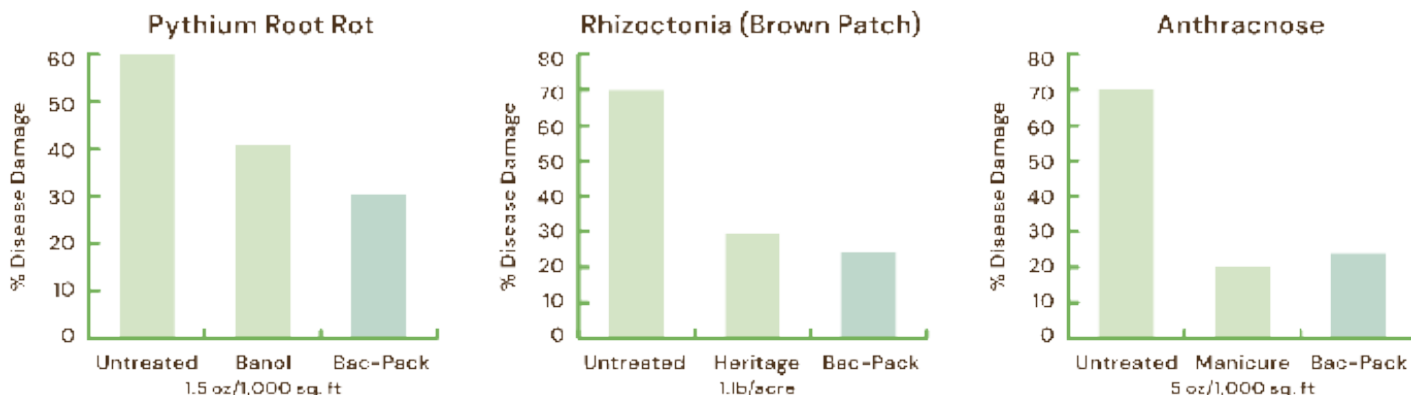


Soil Technologies Corp.

2103 185th St., Fairfield, Iowa, 52556 U.S.A.

Research

Field Evaluations of Microbial Inoculants at the R.T. Jones Golf Course at Cornell University



Technical Data

PRODUCT DESCRIPTION: A proprietary blend of live beneficial microorganisms and antioxidants designed to repopulate soils low in microbial activity.

PURPOSE STATEMENT: This mix of microbiological organisms is intended to produce beneficial physical, chemical, biochemical, and biological changes in the soil. The microbial components transform organic matter into nutrients and humus to reduce the need for supplementary inputs.

APPLICATION SITE: Plant root zone.

DOSAGE: 1-2 pints per acre (1.2-2.4 lt/ha) at 10-14 day intervals during the growing season.

APPLICATION METHODS: Bac-Pack is to be mixed with water or liquid fertilizer and spray applied or injected through an irrigation system. The product should be watered in immediately after application.

INITIAL DOSAGE FOR STRESSED TURF: To promote greater physical, biochemical, and biological change in the soil, **Bac-Pack** can initially be applied at higher rates, up to 8.0 pints per acre (9.6 lt/ha). Apply as a drench application. For subsequent applications, revert to the usual application rate.

APPLICATION TIMING: Applications should be made when soil temperatures are between 50-90°F (10-32°C). Excessive exposure to ultraviolet light (sunlight) can interfere with the activity of Bac-Pack. Allow 24 hours between Bac-Pack applications and the use of herbicides, fungicides and pesticides.

STORAGE: **Bac-Pack** should be stored in a cool, dark place. Refrigeration will extend the shelf life of the product.



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