Bac-Pack™

Beneficial Microbial Blend

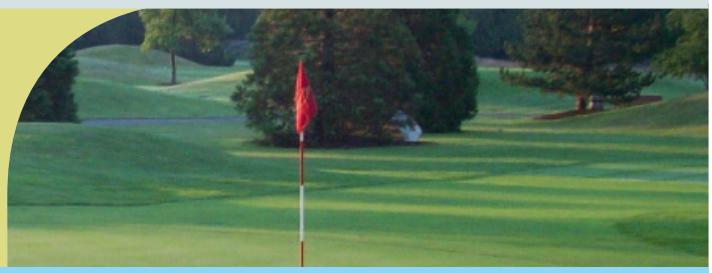
Designed for low microbial soils, Bac-Pack broad-spectrum microbial inoculant offers a method of rejuvenating golf course greens and other problem sports turf areas. The beneficial microbes and antioxidant compounds in Bac-Pack have been selected for their ability to transform soil conditions and relieve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

OMRI® LISTED For Organic Use



Product Description

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

Purpose

Used to improved biological conditions in the soil and optimize plant health for prevention of wilt, stress, nematode, and disease symptons.

Mode of Action

Microbes live symbiotically with plant roots, metabolizing substances secreted by roots as food and, in return, releasing growth stimulating compounds that are taken up by the plant. Antioxidants elicit a systemic acquired resistance (SAR) in treated plants. Other microbial components transform organic matter into nutrients and humus to reduce the need for supplementary inputs.

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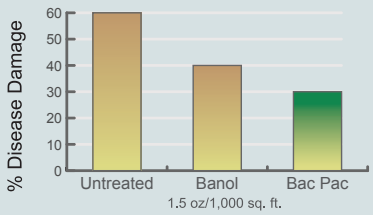
Bac-Pack™

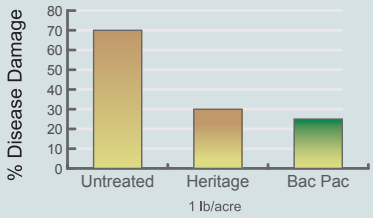
Bac-Pack Carries The Load

Field Evaluation of Microbial Inoculants at the R.T. Jones Golf Course at Cornell University, Ithaca, NY USA

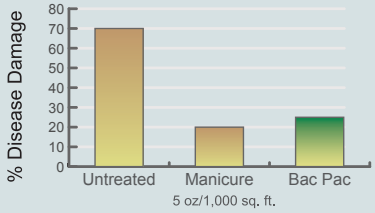
Pythium Root Rot



Rhizoctonia (Brown Patch)



Anthracnose

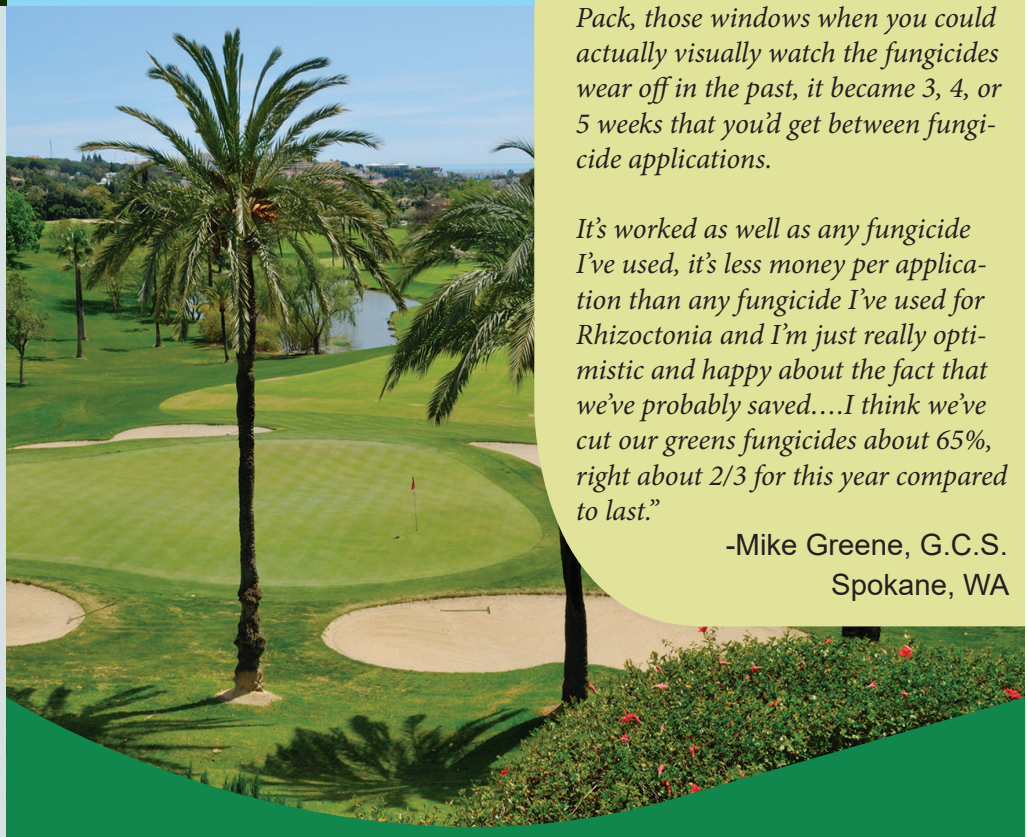


Dosage

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

Storage

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



"We started with the Soil Tech product Bac-Pack to see if we could get some disease-suppression on this golf course. And when we used Bac-Pack, those windows when you could actually visually watch the fungicides wear off in the past, it became 3, 4, or 5 weeks that you'd get between fungicide applications.

It's worked as well as any fungicide I've used, it's less money per application than any fungicide I've used for Rhizoctonia and I'm just really optimistic and happy about the fact that we've probably saved….I think we've cut our greens fungicides about 65%, right about 2/3 for this year compared to last."

-Mike Greene, G.C.S.
Spokane, WA

www.soiltechcorp.com

Application Method

Bac-Pack liquid microbial inoculumis mixed with water or liquid fertilizer (40 gal./acre minimum) and spray applied or injected through an injection system. The live microorganisms in Bac-Pack should not be mixed with chlorinated water. Use the dechlorinator provided. The product should be watered in immediately after application.

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 48 hours between Bac-Pack applications and the use of herbicides, fungicides and pesticides.

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