



BIOSTART®

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DESCRIPTION

BIOSTART® is a ready to use soil inoculant made of multiple proprietary strains of Bacillus and Brevibacillus that have been selected for their ability to grow in the root zone of plants. They interact symbiotically on, or close to, the root surface where they produce beneficial enzymes and growth promoting substances while working against pathogenic microorganisms.

PHYSICAL CHARACTERISTICS & ACTIVITY RANGE

BIOSTART® is a stabilized liquid concentrate containing multiple proprietary strains of Bacillus and Brevibacillus, all of which are naturally occurring spore formers. The product is active at a pH range of 5.5 - 8.5, with an optimal range of 6.0 - 8.0. The temperature range for activity varies from 50°F to 90°F while optimal activity is generally at ambient temperatures. BIOSTART® is available in multiple concentrations depending on your particular application. It contains preservatives such as sodium benzoate and potassium sorbate and can tolerate up to 50 ppt salinity. It has a mild fermentation odor.

USAGE RECOMMENDATIONS

BIOSTART® is best applied as a high concentrate liquid and should be administered as close to the seed as possible. The product can be diluted with municipal, farm or well water sources; diluted product should be applied within 24 hours. It may also be combined with most herbicides, pesticides and fungicides although it is incompatible with hymexazol.

BIOSTART® is typically applied at the beginning of each growing season. Special applications may require a higher dose rate. Dose levels will depend on your application. Please inquire for application recommendations.

PACKAGING AND STORAGE

BIOSTART® standard pack sizes include 1 gallon pails sold 6 per case, 2.5 gallon bottles, 5 gallon pails, 15 and 55 gallon drums, and 275 gallon totes. Liquid bacterial products should not be stored in direct sunlight or in temperatures in excess of 90°F or less than 40°F. Avoid storage in areas with strong oxidizers or poor ventilation. Please refer to the MSDS for proper handling procedures.

SHELF LIFE

9-12 months in cool dry conditions.

SAFETY AND HANDLING

In case of contact with the skin or eyes, promptly rinse with water for at least 15 minutes. The product is generally considered safe, but is not designed to be directly ingested. For detailed handling information, please refer to the appropriate Material Safety Data Sheet.

TECHNICAL SERVICE

Information covering specific applications of this product is available. BIO-CAT Microbials will work with you to enhance processes and solve problems. Let us know what you need and we will assist you.

MARKET APPLICATIONS

Agriculture

Nothing disclosed is to be construed as a recommendation to use our product in violation of patents or in an unsafe manner. The information presented is believed to be accurate. However, said information and products are offered without warranty or guarantee except as to the composition and purity stated herein since the ultimate conditions of use and the variability of the materials treated are beyond our control.

