

Bacstim[®] 100

High Performance Soil Microbes

TECHSHEET



Advantages

- Produce phytohormones encouraging root growth
- Improve stress resistance
- Improve nutrient mineralization and uptake
- Increase crop biomass and yield

Overview

Bacstim[®] 100 is a biological inoculum that contains 5 strains of *Bacillus* spp. at a concentration of 2 billion (2×10^9) CFU / ml. It establishes beneficial microbial populations in the soil for a healthier crop.

Application Guidelines

- Agitate well before use.
- Can be applied in furrow or by irrigation.
- Avoid heavy irrigation for 2 - 3 days after application.
- Can be mixed with water.

Content:

2 strains of *Brevibacillus laterosporus* 8×10^8 CFU / ml
2 strains of *Bacillus licheniformes* 8×10^8 CFU / ml
1 strain of *Bacillus amyloliquefaciens* 4×10^8 CFU / ml
Total other ingredients: 98%

Typical pH analysis: 4 - 4.3

Application Rates

Crop	Dosage	Timing	Placement
Row crops	1 pint / acre	At planting	In furrow as close to seed as possible.
Vegetables	2 x 1 pint / acre	At planting one month later	In furrow as close to seed or transplant roots via fertigation system in shallow irrigation to target active root zone.
Tree crops	3 x 1 pint / acre	At first root flush Mid spring Late Spring	Via fertigation in shallow irrigation to target active root zone.
Grape vines	3 x 1 pint / acre	Budburst 7 - 8 inch shoot growth. Flowering	Via fertigation in shallow irrigation to target active root zone.

Compatibility

- Can be mixed with most fertilizers, pesticides, fungicides, and herbicides and applied within 6 hours after mixing. Dilute with water first then mix with other ingredients.
- Always test compatibility in a jar.

Efficiency can be improved by combining Bacstim[®] 100 with other Omnia Specialties, Inc. products such as Rhizovator[™] in a crop production program.

Apply 1 - 2 pint / acre of Bacstim[®] 100 tank-mixed with 1 gal / acre Rhizovator[™] per application. Consult with your local field agronomist.

Storage: Store in dry and cool conditions preferably below 86 °F.

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