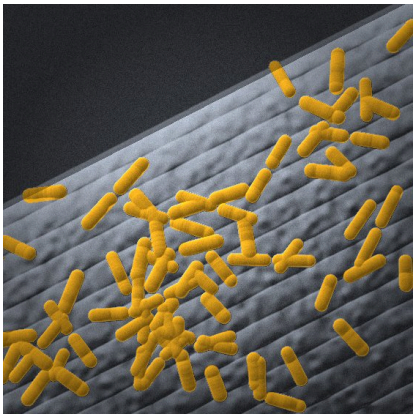
10
strains in one dormant suspension

Sigma Bio

Three-in-one dormant suspension biological

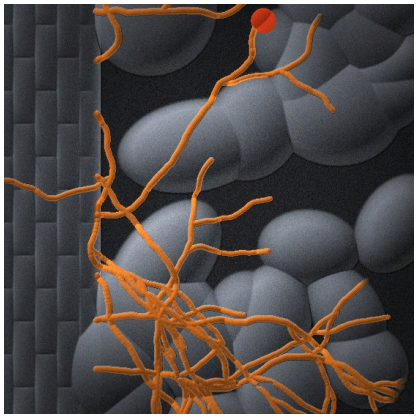
Industry-leading three-in-one dormant suspension that needs interaction with organic matter to activate. Use it as a program with Sigma Seaweed and Sigma Molasses: the carbohydrate sources speed early colonization. Compatible with most IPM and fertilizer applications already on your calendar.



Bacillus spp.

Nature's probiotics for the soil. These strains colonize first and are the first line between the plant and environmental stress; building reserves in the root zone through the year is the return on the program.

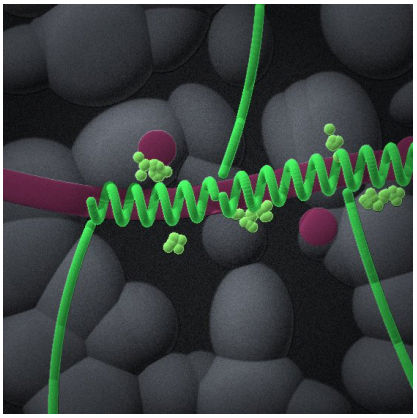
- ***Bacillus subtilis***
  Stress tolerance; uptake of hard-to-solubilize Ca, Mg, Mn, K and P; root protection and biomass
- ***Bacillus amyloliquefaciens***
  Soil-borne pathogen and plant-parasitic nematode pressure
- ***Brevibacillus laterosporus***
  Phytophthora and soil-borne pathogen pressure; bacterial and insect pressure
- ***Bacillus licheniformis***
  Pathogenic bacteria and soil pathogens; germination, root branching



Endomycorrhizal fungi

Root-like structures that enter the host root cells, extending the root system to intercept water and hard-to-reach nutrients from the soil colloid and return them to the plant.

- ***Glomus intraradices***
  The most aggressive colonizer: phosphorus, water and hard-to-solubilize nutrients
- ***Glomus etunicatum***
  Tolerance to salinity; function in drought
- ***Glomus aggregatum***
  Exchanges host carbon for nutrients; balancing heavy-metal toxicity
- ***Glomus mosseae***
  Protection of the host from nematode, bacterial and fungal pressure



Trichoderma

Active soil organisms that seek out spores before they become a plant stressor. A third group rarely found in biological products and possibly the most important for turfgrass.

- ***Trichoderma viride***
  Plant biomass accumulation; Pythium root rot pressure
- ***Trichoderma harzianum***
  Plant biomass accumulation; Botrytis and Fusarium pressure

Program rates (21-day): Sigma Bio 32 oz / acre + Sigma Molasses 32 oz / acre + Sigma Seaweed 1 gal / acre. Weekly: 11 + 11 + 44 oz / acre.

Application: syncs with a foliar or soil spray on a 7–14 day rotation. Water in within 36 hours for maximum colonization; foliar and soil applications give equal results.

Sigma Foundation Program products are not pesticides and do not replace fungicide, insecticide or nematicide programs; they are applied as a companion in the same tank. Always jar test, confirm state registration, and read and follow label directions.