



bioMD

SOLUBLE MICROBIAL
SOIL INOCULANT

bioMD is a complex combination of beneficial microbial strains, viable organic microbial food sources, essential enzymes, biomass activators and natural soil penetrants for hyper-rapid biomass animation.

THE ULTIMATE IN BIODIVERSITY

Every aspect of a plant's life requires microbial interactions. In nature, millions of different strains of microbes work together to optimize soil and plant health. Hudson Valley Natural's **bioMD** is a soluble, microbial soil inoculant that is a proprietary formulation of beneficial microbes derived directly from nature.

Hudson Valley Natural's proprietary process for drying the microbes into a soluble powder puts the **microbes in true suspended animation mode.**

bioMD's wettable powder formulation effectively allows microbes to be **100% viable within seconds of being reanimated with water.** This immediate activity significantly improves plant health in all the types of applications: **foliar feed, seed inoculation, or plant renovations.**

bioMD BENEFITS:

- » Increases BRIX levels
- » Enhances efficiency of fertilizer
- » Increases organic matter in soils
- » Oxygenates root zones
- » Improves seed viability
- » Promotes disease and insect suppression and resistance
- » Promotes thicker cell walls and healthier plants
- » Compatible with herbicides, insecticides, and fungicides

bioMD is
patented
microbiology
technology
proven to
improve root
systems and
grow stronger,
healthier plants



WHAT'S IN THE POUCH



+ BRIX

As a measurement of the sugar content within a plant, Brix is an important indicator of a healthy plant. The more efficiently plants take up water and nutrients the higher the Brix level.

- » High Brix levels reduce fungal growth, providing natural disease suppression
- » Sucking insects cannot recognize the plant as food when Brix levels are elevated
- » Plants are more heat and frost tolerant
- » Plants develop full access to minerals in the soil
- » Accelerates carbohydrate storage
- » Increases organic matter in the soil

+ Humic & Fulvic Acids

Humic and Fulvic Acids are Intermediate Chelators

- » Increased plant uptake of secondary and trace nutrients
- » Activates enzymes, resulting in higher Brix
- » Helps manage transportation of iron and other trace elements to manufacture Brix

+ Amino Acids

Amino Acids are also Intermediate Chelators

- » Improves the uptake of minerals. Especially calcium
- » Calcium strengthens stems and vascular systems, increasing efficiency of water and nutrient uptake
- » The more efficiently water and nutrients are assimilated, the higher the Brix

+ Yucca Extract

A Powerful, Natural Soil Penetrant and Surfactant

- » Reduces dry pocket formations which reduces salt buildup
- » Increases soil permeability for improved oxygenation of the roots
- » Reduces the amount of water necessary to flush the soil
- » Aids nutrients and water to penetrate deeper into the root zone increasing assimilation efficiency which raises Brix

+ Complex Carbohydrates

bio-MD Contains a Balanced Formulation of Complex Carbohydrates

- » Acts as a natural biomass animator
- » Provides quick, available energy for plant growth, cellular reproduction and cell repair
- » Enhances beneficial microbial division and reproduction to hyper-inflate the soil biomass population
- » Dramatically improves nutrient availability, especially iron
- » Reduces excess salts and raises Brix

+ Mycorrhizal Fungi, Glomus Intraradices

- » Acts as a virtual root system for the plants, increasing water and nutrient uptake
- » Reduces irrigation requirements
- » Enhances efficiency of fertilizer
- » Improves heat and drought tolerance
- » Provides disease resistance
- » Improves plant health and stress tolerance
- » Improves seed germination and establishment
- » Increases Brix

