

BioSphere AgriTech Pasture

Technical Specifications and Application Instructions

Product Description:

BioSphere AgriTech Pasture is a concentrated complex of microbes and known soil plant amending ingredients combined with critical enzymes and the most effective microbe food sources available. The combination of these ingredients will make indigenous beneficial microbes explode in numbers in the soil. This will improve organic matter in the soil, growth patterns in plants, and fruit quality. There are no fillers. 100% of the ingredients have an active purpose for your soil and plants. BioSphere AgriTech Pasture is double the microbial concentration of Biosphere AgriTech Pasture, making it a better fit when applying in-furrow on row crops and seed inoculation applications where moisture needs to be reduced when applying.

Product Specifications:

Bacillus Mucilaginosus	5.6x10 ¹⁰ cfu/Lb
Bacillus Subtilis	3.2x10 ¹⁰ cfu/Lb
Bacillus Megaterium	1.6x10 ¹⁰ cfu/Lb
Bacillus Licheniformis	1.6x10 ¹⁰ cfu/Lb
Bacillus Simplex	1.6x10 ¹⁰ cfu/Lb
Glomus Intraradices Endomycorhizae	50,000 propagules/Lb
Amino Acids:	14%
Appearance:	Fine tan powder
Solubility:	100% in water (some powder may remain in Suspension)

Benefits:

1. Inoculates soil with diverse populations of bacteria and fungi beneficial to soil and plant life.
2. Stimulates the growth and reproduction of indigenous microorganisms.
3. Invigorates root growth.
4. Builds higher protein and sugar levels in plants.
5. Improves photosynthetic performance.
6. Helps to break up soil compaction
7. Enhances resistance to drought, pests, and disease.
8. Excellent for organic applications.



Directions for Use:

Pre Mix - Liquid Application:

1. Add 120 to 240 Millilitre of water to each 1 weight measured 28 grams of BioSphere AgriTech Pasture in a pail and agitate until powder goes into full suspension.
2. Add water and other liquid fertilizers to tank as directed.
3. Add pre-mixed BioSphere AgriTech Pasture solution to the tank.
4. Top tank with water to disperse BioSphere AgriTech Pasture throughout tank.
5. Apply directly after adding to the tank.

Note: Avoid mixing biocides in the tank with BioSphere AgriTech Pasture as it may reduce viable microbial counts at the time of application.

Dry Application:

1. Mix measured quantity of BioSphere AgriTech Pasture into a small amount of water and mix into a slurry.
2. Add slurry to dry fertilizers and tumble thoroughly to evenly disperse the slurry.
3. Make sure product is not tacky to the touch before applying through a spreader.

Recommended Application Rates:

Row Crop Agriculture:

In-Furrow: 25 Millilitre per acre

Broad Cast: 50 Millilitre per acre

Application rates can vary slightly based on crop types and soil conditions.

Backpack Sprayer:

50 grams per acre or 100 gram per Ha

Mix in backpack sprayer – add BioSphere AgriTech product according to your usage per full backpack. If backpack sprayer covers $\frac{1}{4}$ acre use 13 grams of material in pack – shake vigorously. Application rates vary slightly based on crop type and soil conditions. Use as Foliar Spray or soil application.

Turf and Ornamentals:

50 to 100 Millilitre per acre (1.1 to 2.2 grams per 1,000 sf)

Application rates can vary greatly based on turf needs and soil conditions.

Apply every 4 to 6 weeks.