

Bio-Soil® Concentrate Liquid Plant Biostimulant



Soil & Foliar Formulation

Benefits:

- **Plant growth – BOOSTED**
- **Improved plant vigor and resistance to stressful conditions during critical growth and development stages**
- **Effective across a wide variety of crops and cropping systems**
- **Higher crop Yields**
- **Easy integration into your farming practices**

Contents:

Formulation:	Liquid concentrate
Functional Microbial Species:	CONTAINS NON-PLANT
FOOD INGREDIENTS	
ACTIVE INGREDIENTS <i>Microbial Ingredients</i>	
<i>Bacillus licheniformis</i> 2x10 ⁹ cfu/mL	
<i>Bacillus methylothrophicus</i> 4x10 ⁹ cfu/mL	
<i>Bacillus subtilis</i> 4x10 ⁹ cfu/mL	
Microbial Count:	Not less than 1 x 10 ¹⁰ cfu/ml (colony forming units per gram)

Directions for use:

Mixing instructions:

Partially fill the spray tank with clean water and begin agitation. Add the specific amount of Bio-Soil® Concentrate to the tank. *Pre-blend with clean water at a 1:5 volume to volume to ratio if necessary for your spraying system.* Finish filling the tank to the necessary volume to obtain proper concentration. Continue to agitate during mixing to assure a uniform application. Do not allow the mix to stand overnight or for prolonged periods of time. Maintain suspension pH between 4.5-8.5. Bio-Soil® contains live organisms- do not mix with more than 500 ppm of Jet-Ag (PAA) for more than one hour in a tank mix. For best use, test materials (pesticides, fertilizers, adjuvants and surfactants) with Bio-Soil® to determine if they are compatible.

Soil/Foliar Applications: Use as a soil or foliar spray application. Apply using Ground, Aerial or Chemigation application.

- By drip or overhead irrigation system: Use 2-6 oz. per acre prior to or immediately after sowing or transplanting; repeat every 3-4 weeks during growing season. For best results, apply when soil temp is above 45°F.
- In-furrow application at the time of planting: Mix 2-6 oz. in 10-15 gallons of water per acre. Apply at planting directly over or behind the seed prior to covering.
- As a soil drench prior to or after crop establishment: Mix 0.5 oz. per 100 gallons of water. Thoroughly drench the solution into the root zone.

Seed treatment: Inoculate seed prior to planting using a rate of 0.3-0.5 oz. per 1,000 lbs. of seed. Make a suspension of Bio-Soil® Concentrate in cool, clear water (volume and concentration dependent on the seed type and application equipment). The suspension needs to be used on the seed within 24 hours of mixture.

Hydroponic System Applications:

- Use in hydroponic solutions.
- Add at a rate of 0.6-1.0 per 100 gallons of nutrient tank water when transplants are first placed in the trays. Run the solution through the system for thorough mixing.
 - Repeat applications every time fresh water is added to the system or once every 7-20 days using 0.1-0.2 oz. per 100 gallons of nutrient tank water.
 - If transplant roots are already dipped in the solution prior to placement in the trays, wait 7-20 days before making the first application of Bio-Soil® Concentrate in the nutrient tank.

Transplant, Cutting and Root Dip Applications: Use at a rate of 0.6-1.0 oz. per 100 gallons of water. Apply using 100-125 gallons of mixed solution per 1,000 sq. ft. of soil or other growing media in flats, plugs, trays, pots or planting beds immediately before or after seeding, sticking or transplanting.

Turf: Apply when soil temp is above 45°F. Use a rate of 0.6-1.0 oz. per 1,000 sq. ft. of turf. Mix with sufficient water to allow product to reach the root zone. Reapply every 3-4 weeks.

Precautions:

Precautionary Statements: Observe good agricultural hygiene practices. If this product enters the eyes, flush eyes with water for 15 minutes. If any symptoms occur, consult a physician. If this product contacts skin, wash with soap and warm water. Consult physician if symptoms persist. Remove person to fresh air and keep at rest in a position comfortable for breathing. If swallowed, seek medical attention. See Bio-Soil® SDS¹ for further information.

Hazard Statement: May form combustible dust in air; may cause irritation if inhaled.

Storage:

Store: Bio-Soil® in a cool, dry place between 60°F and 95°F. Do not expose to prolonged sunlight in storage and protect from freezing temperatures.

Manufactured for:

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Questions: If you have any questions, please call a JET Harvest Solutions' representative at 1-877-866-5773 or 407-523-7842.

Product code:

Lot Number: