



Directions for Use

Bio-Soil concentrate (foliar or soil use)

Bio-Soil with Fulvic Acid (foliar use)

Bio-Soil with Humic Acid (soil use)

Mixing instructions:

Bio-Soil must be diluted with water. Partially fill the spray tank with clean water and begin agitation. Add the specific amount of Bio-Soil to the tank. 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 spray to stand overnight or for prolonged periods of time. Maintain suspension pH between 4.5-8.5.

To use **Bio-Soil concentrate**, apply 14-20 oz. per acre. Use as a foliar spray application. Apply via Ground, Ariel or Chemigation application

Hydroponic System Applications:

- 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 in the nutrient tank.

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 in cool, clear water. Suspension needs to be used on the seed within 24 hours of mixture.

Cutting and Root Applications: Dissolve 0.6-1.0 oz. per 10 gallons of water. Dip basal end of cuttings or bare roots into the solution for 10-20 seconds immediately before planting.

To use **Bio-Soil with Fulvic Acid**, apply at a rate of 14-20 oz. per acre. Use as a foliar spray application. Apply via Ground, Ariel or Chemigation application.

To use **Bio-Soil with Humic acid** in soil treatments at a rate of 14-20 oz. per acre. Use only as a soil application or drench



See instructions below for more specific instructions on [Bio-Soil with Humic Acid](#).

Soil Treatments:

- Via drip or overhead irrigation system: Use 1-1½ lbs. 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 1.0 lb. 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 1.0 oz. per 100 gallons of water. Thoroughly drench the solution into the root zone.

Soil or Media Drench:

- Mix 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.

Post-Planting Applications:

- Apply 1.0 oz. per 1,000 sq. ft. of plant area. Mix in 1 gallon of clean water and apply entire solution to plant area. Reapply once every 3-4 weeks during entire crop growing season.

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.

Suggested Uses: For use with a wide array of crops including bedding plants, fruits, row crops, vegetables, turf, hydroponic and ornamental crops.

Storage: Best stored in a refrigerator or a cool, dry area. Keep container tightly closed when not in use. Avoid prolonged exposure to direct sunlight. Bio-Soil is a live organism- do not mix with more than 50 ppm of Jet-Ag (PAA) for more than one hour in a tank mix. For best case, test materials (pesticides, fertilizers, adjuvants and surfactants) with Bio-Soil to see if compatible.