



# HYDROPONIC USAGE

## Hydroponic Drench, Dosatron, Reservoir, Foliar Guidelines

### Natural Liquid Organic Acid Complex and Trace Mineral Products

AGT-50™ is one of the most concentrated sources of fulvic, amino and organic acids, chelated minerals, and trace elements on the market for hydroponic crops.

#### DRENCH

Use 1ml/gallon for drench feeding. Simply add AGT-50 to your ready-to-use regular fertilizer lineup.

#### DOSATRON

For use with Dosatron inline fertilizer injectors, AGT-50 can be used as a concentrate. Adjust the pH of the concentrate to 2.5 to prevent sedimentation.

- At 1 ml/final gallon, the Dosatron can be set to 1:3875 and used right out of the AGT-50 vessel.
- At 0.5ml/final gallon (1:500) with a 55-gallon drum (208L), add 13.54L AGT-50 and top up to 55 gallons with water for feed solution.

#### RESERVOIR

Growers can use AGT-50 in recirculating deep water culture, ebb and flow, and other types of hydroponic systems. Always conduct a jar compatibility test before deployment.

- Hydrogen peroxide, at 3%, is the primary means to sterilize a reservoir.
- UV sterilization will not damage fulvic acid nor will it affect the mineral bonds, where traditional chelates are weakly bonded and are easily broken.
- Hypochlorous acid may cause oxidation of AGT-50 and ultimately create biofilm in the hydroponic system. Foliar use is therefore encouraged when using this input.

#### FOLIAR

Foliar usage of AGT-50 can enhance plant health, photosynthesis, and help your integrated pest management be more effective. Always apply foliar spray in the dark or right before the lights go out and never in direct sunlight.

- For regular maintenance or in conjunction with the IPM program, use AGT-50 at 0.5ml/gallon.
- To prevent plant stress from transplant, pest, or disease pressure, use at 1ml/gallon dosage.
- For sealed rooms with fresh lamps and CO2 supplementation, the dosage of AGT-50 can go as high as 2.5ml/gallon.

The fulvic, amino, and organic acids in AGT-50 are an excellent addition to enhance the yield, resistance to perishability, taste, and aroma of your high value produce when used in hydroponic cultivation.

### NATURAL ORGANIC ACID and TRACE MINERAL PRODUCTS

33 Organic Acids

Trace Minerals

Trace Elements

Rare Earth Minerals

Colloidal

Non-Toxic

Biodegradable

Non-Irritating

Easy to Use

Water Extracted

Chemical-Free

100% Soluble

Contact Matt at 269.888.1267 or [matt@agtonik.com](mailto:matt@agtonik.com) or visit [agtonik.com](http://agtonik.com) for more information, to try a sample or to see our studies.