



# BIOACTIVE ORGANIC ACID TECHNOLOGY

Hydroponics, Foliar and Soil Applications

## Natural Liquid Organic Acid Complex and Trace Mineral Products

The ultimate plant growth enhancement that infuses your feed water with trace minerals plus organic and amino acids that aren't commonly found in nutrient products.

### Cation Exchange Rate (CEC) and pH

The high quantities of naturally-occurring organic acids, in particular fulvic acid, substantially increases nutrient uptake through chelation. Organic acids provide nutrient solutions with a very high cation exchange rate (CEC). The CEC rate attracts and holds positively charged mineral ions like iron, calcium, and magnesium for delivery into plant cells. Fulvic acid bonds to both synthetic and organic materials and is active in all pH ranges.

### Selection of Prehistoric Micronutrients

A 34-million-year-old deposit fuels AGT-50™ and a proprietary water-extracted process makes this formula the best of its kind in the industry. All plants love these tiny molecules, which have powerful plant-stimulating properties. Growers see vigorous plants from the root complex to robust flowering, which boosts immunity, sustains the plant against adverse weather conditions, insects, and other blight.

### What is AGT-50™?

AGT-50™ is a complex mixture of naturally-occurring substances that are the result of millions of years of organic matter being broken down by microbial activity under low pressure. Low pressure means low heat, and that's good for maintaining the viability of the molecular structure in a humate. AGT-50™ is so complex that it contains thousands of different molecules within the finished product. Each mineral like iron, for example, can have a variety of molecular forms, which is why AGT-50™ cannot be synthesized, copied, or reverse engineered.

AGT-50™ is compatible with all plant nutrient products and is easy to use. No separate adjustments are required during the stages of plant growth, simply add AGT-50™ to your normal feed water.

### The AgTonik Process

The manufacturing of AGT-50™ is a double stage, reverse osmosis water purification process, which produces water that has no dissolved solids, alkalinity, carbonates, sulfates or conductivity. This allows for an aqueous medium that can become supersaturated with the natural ingredients contained in our deposit material. The purified water is then passed through our raw material via a proprietary method. Finally, the product is microfiltered, resulting in a trouble-free filtrate that is perfectly suited for use in hydroponics, foliar and soil applications.

AGT-50™ requires no adjustments of nutrient products already in use (as it does not contain added synthetic minerals like magnesium sulfate or potassium chloride), which is especially beneficial for hydroponic growers.



## 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

Call Matt at  
269.888.1267  
for more info, to try  
a sample, or see our  
Cannabis and  
Chicken studies.