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Liquid HA-12

High Quality Liquid Starter, Foliar & Fall Soil Conditioner Fertilizer

HA-12 is a nutrient rich starter/foliar fertilizer formulated with humic/fulvic acids, micronutrients, cultured soil bacteria, growth hormones and a slow release nitrogen package.

Humic and Fulvic Acids have been document to help correct multiple deficiencies in crops by providing high quality micronutrients for healthy plants and better yields! Our unique blend can be easily applied with other liquid fertilizers allowing you to have spectacular results.

Farmers that have already reached optimum fertilization practices see significant improvement in nutrient uptake, plant growth, and yield by incorporating HA12 into their fertilizer programs!

Improves Seed Bed

Builds Organic Matter

Increases Seed Germination

Rich in Micronutrients



Stimulates Root Growth

Improves Nutrient Uptake

Breaks Down Salt Complexes

Buffers pH of Soils

Liquid HA-12

Massive Roots
& Increased Germination



Controlled study: untreated plant left, HA12 treated plant right

More Benefits of Humic Acids / HA12

Biological Benefits

Boosts growth of desirable soil life

Improves plant respiration

Stimulates plant enzyme

Increases vitamin content of plants

Acts as an organic catalyst

Feeds microorganisms that recycle nutrients & those that produce Antibiotics

Increases metabolism within moments after foliar application

Regulates growth hormones

Chemical Benefits

Helps convert elements to plant food

Retains soluble fertilizers in the root zone

Has high ion-exchange capacities

Time releases nutrients as needed

Stabilizes nitrogen applications

Absorbs toxins like salt water and pesticides. Carbon charges bind to the toxic molecule, allowing microbes to break it down

Physical Benefits

Make soils more friable or crumbly – breaks up hardpan

Increases water holding capacity (up to 7 times)

Breaks down crop residues

Improves soil workability

Increases aeration of soil

Reduces soil erosion

Stabilizes soil temperature



To Grow Big Yield Crops
Jumpstart Production with
the Best Starter/Pop-up
Fertilizer On the Market

Liquid HA-12