

MADE IN THE  
**USA**



**Biofeed<sup>®</sup>**

AGRICULTURAL PRODUCTS

Crop and Soil Management Solutions





## Biofeed® Builds Your Farm's Soil to Produce Bigger Yields, Better Crops and More Profits!



Biofeed® products are much more than N-P-K in a bottle. Biofeed liquid, enzyme-based fertilizers come to life through our exclusive Amino-Carbon Technology® ACT base additive which mimics Nature's nutrient delivery system. The results reduce sodium toxicity, balance water biology, and improve root and soil interactions. ACT and N-P-K combined, promote the growth of both plant cells and aerobic soil organisms to enhance natural soil fertility while renewing the life in your farm soil.

### Improves Chlorophyll Production

Biofeed® fertilizers increase chlorophyll production resulting in more conversion of light into energy for leaf maturation, stem growth and root growth. More chlorophyll also creates the dense, deep green leaf color of healthy crops and plants.



### Provides Balanced Nutrition

Biofeed® fertilizers blend nutrients with our exclusive Amino-Carbon Technology® ACT to feed your soil, crops and plants. Providing proper plant nutrition and balanced soil care is the key to increase crop harvest and yields.



### Releases Locked-Up Soil Nutrients

Biofeed® fertilizers contain our exclusive Amino-Carbon Technology® ACT that acts as a chelating agent to dissolve minerals and nutrients that are locked up and unavailable to hungry roots. ACT remains active long after application to improve the soil's Cation Exchange Capacity (CEC).



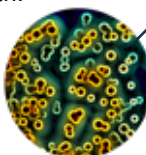
### Releases Oxygen into the Soil & Water

Biofeed® fertilizers contain H<sub>2</sub>O Dehydrogenase (HDH). HDH is an enzyme that has the unique ability to cleave, or split, the water molecule. When HDH splits the water molecule, oxygen is released into the soil solution to support the growth of aerobic microbes in both soil and water systems.



### Stimulates Beneficial Aerobic Microbes

Soil that is teeming with aerobic microbial activity supports stronger roots and plant growth. This also helps to keep disease causing factors in check, and reduces the occurrence of black layer, which is toxic to delicate plant roots.



### Buffers Salt & Cleans Irrigation Systems

Biofeed® fertilizers buffer harmful sodium, allowing it to leach out of the soil. Its unique chelation action removes calcium and other mineral salt residues that clog irrigation systems.



**Innovation That Grows<sup>SM</sup>**

## Foliar Products

### **CARBOMAX™ Foliar and Soil Phosphate 6-20-0**

A dynamic blend of nitrogen and phosphorus and Biofeed's exclusive ACT base additive – for easier absorption and translocation in all crops and plants – to promote strong stem and leaf growth, deeper root growth and earlier maturity of agricultural crops.

### **CROP™ Agricultural Foliar Fertilizer 8-16-4**

A super-concentrated foliar bio-stimulant blend of nutrients and Biofeed's exclusive ACT base additive. Provides cellular energy and stimulates hormone production when sprayed on the plant before and during budding, bloom-set and fruiting, resulting in a more dense and uniform set.

### **VECTROL® Potassium-Based Activator 0-0-10**

Vectrol® is a foliar and soil applied potassium-based activator solution with ACT®. When applied as directed, this dynamic solution is quickly absorbed via cellular translocation where it improves the quantity and ratio of antioxidants and phenolic acids produced by plants.

### **K-PRO™ Foliar Potassium Fertilizer 0-0-20**

Our liquid potassium is combined with Biofeed's exclusive Amino-Carbon Technology® ACT for enhanced uptake and transfer throughout the entire plant and is beneficial during extremes in temperature and water stress. Potassium promotes nitrogen metabolism, stimulates root growth, and supports potent plant response due to its plant-friendly formulation. Use it to balance your plant or crop nutritional program.

### **N-30 Liquid Nitrogen 30-0-0**

Provides liquid nitrogen in four plant available forms with Biofeed's exclusive Amino-Carbon Technology® ACT for efficient absorption into the leaf and roots.

### **REBOUND™ Agricultural Crop Finisher 0-0-27**

A crop finisher formulation that promotes late season translocation of sugars and other nutrients from the leaf, stem and roots into the fruit or fiber for improved harvestable yield and improved BRIX quality.

## Soil Management Products

### **CHETROL™ (Key-trol) Chelation Management**

A concentrated blend of organic acids that dissolves mineral salts which clog drip systems and emitters to restore water flow and distribution. Also helps to unlock and remove herbicide residues in soil to improve crop yields. Will not harm plastic or metal pipe or fittings.

### **SURFACT™ Multi-Purpose Wetting Agent & Surfactant**

Enhances the infiltration and penetration of applied irrigation water and rainfall in agricultural soils. Enhances irrigation efficiency and improves moisture levels in the soil, providing a better growing environment for your plants.

### **SOIL-PLUS™ Soil and Plant Management System**

A concentrated soil builder / conditioner designed to stimulate beneficial bacterial activity in the soil as it chelates soil nutrients and minerals for plant up-take. Supports microbial diversity and improves overall soil health and structure through polysaccharide production and the release of elemental oxygen.

### **X-CELL™ Fertilizer / Catalyst**

A bio-dynamic formulation of nitrogen and digestive enzymes in a base of ACT. Promotes vigorous growth, enhances breakdown of plant residuals and thatch, and stimulates a biologically active, humus-rich soil condition.

## Secondary Nutrients

### **CAL-6 Liquid Calcium**

Provides crops with elemental calcium and Biofeed's ACT base additive. It readily enters the plant through foliar or soil application to supplement deficiency by supplying plant-available calcium. In the Soil, it may assist uptake of nutrients into the plant. Application can be combined with pre-emergent herbicides or combined with UAN applications. Sufficient calcium in the leaf may help control heat stress and reduce disease occurrence.

### **MAG-4 Liquid Magnesium**

Provides crops with magnesium and Biofeed's exclusive ACT base additive. It readily enters the plant through foliar or soil application to supplement deficiency by supplying plant available magnesium. Magnesium (Mg) is one of 18 nutrients essential for plant growth. It is actively involved in photosynthesis as the central element of the chlorophyll molecule. Magnesium plays an important role in plant respiration and energy metabolism.

## Micro-Nutrients and Trace Elements

### IRON-6 Liquid Iron

Contains liquid iron with Biofeed's exclusive ACT base additive to increase leaf absorption and translocation of this vital element. These combine to promote dark green leaf color, strong plant development, improved antioxidant production, plant enzyme activity, and chlorophyll production.

### COBALT-6 Liquid Cobalt

Soluble Cobalt Chelate is a dynamic liquid solution of organic acids and bio-stimulants. Cobalt is required for nitrogen fixation in the root nodules of leguminous crops. A nitrogen deficiency will result in symptoms such as reduced protein content and poor leaf growth.

### MAN-8 Liquid Manganese

Combines the essential micro-nutrient manganese with sulfur and Biofeed's exclusive Amino-Carbon Technology<sup>®</sup> ACT to promote plant growth. Many processes are dependent on manganese, including chloroplast formation, photosynthesis, nitrogen metabolism and synthesis of some enzymes.

### MICRO-9 Micro-Nutrient Blend

A power-packed foliar micro-nutrient blend of organically chelated trace elements in a liquid solution of vitamins, organic acids, enzymes, and bio-stimulants that maximize efficient leaf absorption of these vital elements. Promotes deep green color, improves tolerance to disease and pests, and aids soil nutrient uptake and translocation throughout the plant.

### QUICK-6™ Foliar Silicate Solution

Provides a rich source of potassium and soluble silica with Biofeed's exclusive ACT base additive for efficient leaf absorption and translocation throughout the plant. These combine to promote strong vertical leaf and stem development.

### TRACE™ Liquid Molybdenum

Provides soluble Molybdenum Chelate, a vital trace element, that activates three primary functions in plants by converting nitrates (NO<sub>3</sub>) into amino acids. It also supports the symbiotic nitrogen fixing bacteria in legumes, and is essential to the conversion of inorganic phosphorus into organic forms in the plant for enhanced translocation to plant cells.

### ZINC-8 Liquid Zinc

Provides liquid zinc combined with Biofeed's ACT base additive. Zinc activates enzymes that are responsible for the synthesis of certain proteins, the formation of chlorophyll and some carbohydrates, and conversion of starches to sugars. When present in proper ratios, zinc helps the plant to withstand cold temperatures. Zinc is also essential in the formation of auxins, that help with growth regulation and stem elongation.

### Z-MAN™ Liquid Zinc and Manganese Combo

Contains elemental zinc and manganese with Biofeed's exclusive ACT base additive, which supports vital biochemical reactions in crops and plants. When combined, zinc and manganese activate a broad range of enzymes that are responsible for the synthesis of certain proteins and enzymes.

## Join the Biofeed<sup>®</sup> Revolution!

Biofeed Solutions, Inc. brings over three decades of product research and development to provide farmers with the most advanced bio-products available. These non-toxic products are formulated to condition and build healthier soil, while they supply nutrients in a plant available form. This means that fewer nutrients are wasted with no harmful impact on our environment. At Biofeed, we focus on the long-range needs of soils, crops, and our environment with sustainability as our goal. The result is more balanced, natural environment for beneficial biology's to flourish. Our extensive research and manufacturing capabilities ensures that our customers receive a dynamic and consistent line of products.

To learn more about our line of Agriculture products visit us at [www.biofeed.com/agriculture/](http://www.biofeed.com/agriculture/)  
Availability: 2.5 Gallon Jugs (2 per case), 55 Gallon Drums, 275 Gallon Totes



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