



Supplement Products

SA-1000 is the next generation in Humic, Fulvic Acid, and Organic Bio-Polymer Technology. **SA-1000** is an all new, scientifically engineered blend of Ionic and Non-Ionic Humic/Fulvic/Organic Bio-Polymers fortified with Bio-available Calcium and Urea. **SA-1000** is specifically designed for the correction of High Sodium, Bicarbonates and Metals in both irrigation water and soil. This dual action product provides a complete management tool for the correction of poor water quality and its effects on your soil. With other available products on the market, you must choose to treat the water with one product and the soil with another while both create potential residual affects to your turf and soil. **SA-1000** is an all natural solution that will neutralize the sodium and bicarbonate issues in both the water and the soil at a fraction of the cost.

Product Benefits:

- No negative effects of acid or chemical based solutions.
- Immediate solubility and activity compared to gypsum applications.
- Converts bicarbonates into valuable organic matter, not carbon dioxide.
- Cost effective low dose rates for either injection or mechanical applications.
- Can be applied with most nutrient and chemical applications.
- Not just a pH adjustment, it's a complete solution.
- **SA-1000** binds sodium and allows it to safely leach away
- **SA-1000** reduces / eliminates salts, bicarbonates, pesticides, and chemicals; corrects actual and potential toxicity in the soil.

SA-1000

Guaranteed Analysis

Total Nitrogen (N)	10%
10% Urea Nitrogen	
Available Phosphorus (P₂O₅)	0%
Available Potash (K₂O)	0%
Calcium (Ca)	1%
1% Complexed Calcium	

Derived from Urea, Calcium Glucoheptonate and Calcium Nitrate

ALSO CONTAINS NONPLANT FOOD INGREDIENTS

Humic Acid	5%
Total Carbon	11%

Huma-MnFe is a complementary combination of manganese and iron. Manganese and iron provide a synergistic benefit during photosynthesis by providing the essential energy building blocks necessary to produce vibrant, natural color and systemic health in plants. In regions subjected to salt-water breezes, manganese deficiencies are common, especially in the presence of salt based fertilizers and high sodium irrigation water. Agronomy experts recognize that the concentration of symbiotic nutrient, such as manganese and iron, provide a reliable guide to the nutritional health and proper color of plants. Manganese is essential in certain nitrogen conversions, in plants as well as microorganisms. Additionally, manganese functions in many plant enzyme systems as a bridge connecting the enzyme with the substrate, and supports the enzyme process for nitrate conversions.

HUMA-MnFe

Guaranteed Analysis

Iron (Fe)	5%
5% Complexed Iron	
Manganese (Mn)	5%
5% Complexed Manganese	

Derived from Iron Glucoheptonate and Manganese Glucoheptonate

ALSO CONTAINS NONPLANT FOOD INGREDIENTS

Humic Acid	1%
Total Carbon	5%

Cal 86 6-0-0 is bio-available calcium that is essential for the formation, development and strength of the plants cell walls. Additionally, calcium can assist in reducing the harmful effects of salt in soils, and in balancing the stable organic environment, thus increasing nutrient storage and reducing the effects of soil compaction. **Cal 86 6-0-0** not only contains complexed calcium, it also contains calcium nitrate nitrogen. Calcium nitrate provides a valuable nitro-gen alternative that contributes to better nutrient conversion and is known for increasing turf cell strength and increased shelf life of harvested fruits and veg-etables. This dynamic supplement combination assists in natural soil compac-tion relief, increased phosphorus availability, increased conversion of lime and resulting pH reduction in soils, and the reduction of sodium levels in soil.

Cal 86 6-0-0

Guaranteed Analysis

Total Nitrogen (N)	6%
6% Nitrate Nitrogen	
Calcium (Ca)	8%
8% Complexed Calcium	

Derived from Calcium Glucoheptonate and Calcium Nitrate

ALSO CONTAINS NONPLANT FOOD INGREDIENTS

Humic Acid	1%
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Huma Boost, with **Carboxx™**, is a natural, super-saturated, highly soluble, Activated Humic Acid from a unique deposit of broad spectrum humates and is the cornerstone for all 3 Tier Products. 3 Tier's advanced humic technology achieves maximum performance and value through the stringent selection of the highest-grade materials and proprietary processing techniques. **Huma Boost** consists of complex chemical and physical properties that give it the potential to bind contaminants and make them more insoluble, or unavailable while playing an important role in the transfer of nutrients and minerals through the addition of organic structure. **Huma Boost** is a unique soil amendment or an additive for all herbicides, insecticides, fungicides and surfactants and is designed to decrease the amount of chemicals required. **Huma Boost** can increase the rate of penetration and effectiveness of most chemicals while protecting the non-plant target. **Huma Boost** is also an effective tool for soil regeneration, increased nutrient delivery, and increased organic structure. **Huma Boost** is OMRI Listed.

HUMA-BOOST Soil Conditioner

ALSO CONTAINS NONPLANT FOOD INGREDIENTS

Humic Acid	4%
Fulvic Acid	32%
Total Carbon.....	12%

Derived from Brown Coal

Huma-Boost BC contains the same natural, super-saturated, highly soluble, Activated Humic Acid from a unique deposit of broad spectrum humates with our new proprietary **Bio-Cat Booster**. **Bio-Cat Booster** is a natural, ultra concentrated, non-bacterial product consisting of L-amino acids, coenzymes, and other proteins. Blended with the enzymes is a natural package of five different surface tension modifiers and is fortified with micro-nutrients to enhance the natural enzyme and microbial activity in soils. This unique combination works in harmony with indigenous micro-organisms in the soil to act as a natural biocatalyst. This biocatalyst reaction helps free up nutrients in the soil enabling them to be more readily bio-available to the plant allowing it to become healthier with improved root growth.

HUMA-BOOST BC Soil Conditioner

ALSO CONTAINS NONPLANT FOOD INGREDIENTS

Humic Acid	4%
Fulvic Acid	32%
Amino Acid Complex	7%
Total Carbon.....	12%

Derived from Brown Coal and Proprietary Non Bacterial Amino Acid Formulation

Huma-SEA is a unique combination of our proprietary cold pressed Ascophyllum nodosum seaweed and our advanced humic/fulvic acid called **Carboxx**. Cold pressed Ascophyllum nodosum seaweed extract provides plants/soils valuable growth hormones, amino acids, organic acid, proteins, vitamins and natural enzymes. **Carboxx** provides a fully activated, 98% water soluble humic/fulvic acid that increases the plants' ability to absorb nutrients through its unique delivery system.

Huma-SEA Soil Conditioner

Nitrogen (N).....	0.6%
0.6% Water Soluble Nitrogen	
Soluble Potash (K ₂ O ₅).....	2.5%
Derived from Cold Press Seaweed Extract (Ascophyllum nodosum)	

ALSO CONTAINS NON PLANT FOOD INGREDIENTS

Cold Press Seaweed.....	14%
Total Carbon.....	5%
Humic Acid.....	1%

