



# Microbial Products



POWERED BY



**3 Tier Technologies Microbial Solutions** are advanced microbial products that have two distinct advantages over other microbial products. The principal advantages our blend offers is diversity of composition and size. We have identified that the largest biological component in soil is single cell bacteria. For this reason, we have carefully selected seven specific Bacillus genuses while including multiple species of each to create a very diverse microbial package. We also discovered that the current competitive products often contain between 100 and 300 billion colony forming units per cubic centimeter. **3 Tier** then created our microbial package to be concentrated with **864 billion colony forming units per cubic centimeter**, a nearly six-fold increase! Not only do we have an initial size advantage, we also established another critical advantage through our all-natural, proprietary, sugar-based preservative package, allowing the microbes to awake easily when mixed with water. This non-chemical preservative process converts to a valuable food source for exponential growth of microbes once diluted. Our concentrated, specially-selected microbes are strong enough to correct chemical and microbial imbalances and regenerate soils to a healthy state.

*All 3 Tier microbial products are now fortified with our **Bio-Cat Booster™** additive for maximum performance. Our non-microbial **Bio-Cat Booster™** is also now available as a stand-alone soil supplement and Bio-Catalyst.*

**Huma-Balance XL Soil Conditioner** is driven by 3 Tier's natural **Activated Humic Acid Carboxx** combined with our enhanced plant and soil beneficial microbes. This formula increases natural organic structure while enhancing biological activity, detoxifies soil from salt and pesticide residues, accelerates root development, protects plants and soils against pathogenic diseases through combative inhabitation, and converts nutrients into available forms so that they can be transported from the soil into the cell membrane of the plant.

**Huma-Balance XL** is OMRI Listed.

## Huma-Balance XL Soil Conditioner

**ALSO CONTAINS NONPLANT FOOD INGREDIENTS**

Amino Acid Complex.....	7%
Humic Acid.....	3%
Total Carbon.....	12%

**Total Microbial Content ..... 864 Billion cfu/gal**

**Microbial Strains**

<b>B. amyloliquefaciens.....</b>	<b>294 billion CFU/cc</b>
<b>B. subtilis .....</b>	<b>216 billion CFU/cc</b>
<b>B. pumilus .....</b>	<b>43 billion = CFU/cc</b>
<b>B. licheniformis .....</b>	<b>43 billion CFU/cc</b>
<b>B. thuringiensis .....</b>	<b>172 billion CFU/cc</b>
<b>B. megaterium .....</b>	<b>9 billion CFU/cc</b>
<b>B. mojavensis.....</b>	<b>87 billion CFU/cc</b>

*B. denotes all microbial strains as Bacillus Bacteria*





**Cal 86 Plus 6-0-0** is a bio-available, calcium rich, complexed, liquid concentrate for the correction of calcium deficient soils. Bio-available calcium is essential to the health of grasses, crops and is critical for the formation, development, and strength of the plant's cell walls. In combination with this unique microbial package, this new formula increases natural biological activity, detoxifies soil from salt and pesticide residues, accelerates root development, protects plants and soils against pathogenic diseases through combative inhabitation and transports valuable nutrients from the soil into the cell membrane of the plant.

**Cal 86 Plus 6-0-0**

**Soil Conditioner**

<b>Total Nitrogen (N)</b> .....	<b>6%</b>
<b>6% Nitrate Nitrogen</b>	
<b>Calcium (Ca)</b> .....	<b>8%</b>
<b>8% Complexed Calcium</b>	

Derived from Calcium Gluconate and Calcium Nitrate

**ALSO CONTAINS NONPLANT FOOD INGREDIENTS**

<b>Amino Acid Complex</b> .....	<b>7%</b>
<b>Total Carbon</b> .....	<b>3%</b>
<b>Humic Acid</b> .....	<b>1%</b>

**Total Microbial Content** ..... **864 Billion cfu/cc**

**Microbial Strains**

<b>B. amyloliquefaciens</b> .....	<b>294 billion CFU/cc</b>
<b>B. subtilis</b> .....	<b>216 billion CFU/cc</b>
<b>B. pumilus</b> .....	<b>43 billion = CFU/cc</b>
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*B. denotes all microbial strains as Bacillus Bacteria*

**Bio-Cat Booster** is a natural, ultra concentrated, non-bacterial blend consisting of a complete complement of beneficial L-Amino acids, thousands of identifiable enzymes, coen-zymes, and other proteins. **Bio-Cat Booster** is blended with a natural package of five different surface tension modifiers and is fortified with micro-nutrients to enhance the enzyme and microbial activity. **Bio-Cat Booster** works in harmony with indigenous micro-organisms and **3 Tier** microbial packages in the soil to act as a natural biocatalyst.

**Bio-Cat Booster**

**Soil Conditioner**

<b>Humic Acid</b> .....	<b>4%</b>
<b>Amino Acid Complex</b> .....	<b>32%</b>
<b>Total Carbon</b> .....	<b>10%</b>

Derived from Brown Coal

