



The 3 Tier Advantage

Not All Humic Acids are Created Equal.....

To say that all humic acids are the same is to say that all wines are the same. Although most wines come from grapes, there are different growing regions, different varieties, and different blending techniques. In the end, they are all wine, but not all wines are created equal. Humic acids, like wines, are dependent upon the raw materials and the blending techniques used, which determine their purity and efficacy.

Have you ever used a humic acid product that had a significant layer of sludge at the bottom of the container? Has your use of humic products produced inconsistent results or no results at all? Is the price per acre and the quantity needed more than your budget can tolerate? Are you looking for additional nutritional or supplemental value in humic products? If the answer to any of these questions is **yes**, then it is time to take a look at 3 Tier's humic technologies.

Carboxx™, the cornerstone for all 3 Tier Technologies NBN Products™, is a natural, super-saturated, highly soluble, Activated Humic Acid from a unique deposit of broad spectrum humates. 3 Tier's advanced humic technology achieves maximum performance and value through the stringent selection of the highest-grade materials and proprietary processing techniques.

- **The Raw Materials:** Humic acid can be created from several sources including peat, leonardite, and brown coal. Though all have the ability to be transformed into what we know as humic acid, 3 Tier's specific resource is an extremely old coal deposit rich in humates, which offers an unprecedented balance of carbon groups and humic and fulvic acids. While all humic acids are dark brownish-black and look the same, the benefits of high-grade humic acids can only be seen at the molecular level – and in the performance of the product.
- **The Process:** In nature, humic acid molecules bind to metals and methyl groups that must be removed to reactivate the molecule. The process used to free these from the molecule will determine the product's efficacy. Sites that remain bound are unavailable for plants or soils to use. The process we use to create **Carboxx™** ensures maximum receptor site availability and guarantees a highly soluble product. We leave the ash and ballast at the factory, rather than in the bottom of your container.
- **The Products:** **Carboxx™** is the foundation of all NBN Products. NBN Products combine **Carboxx™** with the highest quality natural and food grade elements, advanced microbial and enzyme technologies, creating a line of products that provide multiple benefits for maximum performance and value. NBN products are available as fertilizers, soil conditioners, and nutrient supplements that can be used alone or in combination with each other.

Advanced Microbial Technology That Makes A Difference.....

Within every square foot of soil there exists a unique bio-environment that contains millions upon millions of beneficial and non-beneficial microbes, bacteria, fungi, and other soil organisms. In balanced soils, these micro-organisms coexist naturally. Traditional petrochemical-based fertilizers, pesticides, fungicides, and herbicides, broadly used on turf and agricultural lands, have contributed to an imbalance in the natural ecosystem. Expanded use of these chemical-based products have led to chemical resistant strains of diseases and inhibited soil nutrient performance.

Traditional attempts to restore damaged soils used chemicals to try to reverse the chemical damage, which added insult to injury, and made the problem worse. Recently, microbial restoration has been attempted, but these attempts often failed because the microbial products were not strong enough to alter the indigenous bio-system or correct the imbalance caused by the years of chemical usage.

3 Tier's microbial products have important advantages over other microbial products. We offer a distinct microbial package that contains **18**-strains of naturally occurring soil microbes preserved in an all-natural preservative package, allowing the microbes to awake easily when mixed with water. While competitive products often contain between 30 and 40 million microbes per gallon, the 3 Tier microbe package is concentrated with **55 billion colony forming** microbes per gallon – more than a thousand-fold increase! 3 Tier microbial products also include **Bio-Cat Booster**, an ultra concentrated, non-bacterial, readily biodegradable natural enzyme product consisting of a nutrient-rich extract with a broad-spectrum package of identifiable enzymes, coenzymes, amino acids and other proteins. Blended with the enzymes is a package containing five different surface tension reducers. This complete combo provide the critical foundation and support for a healthy and active biological structure in the soil and are a complement to all 3 Tier programs.

3 Tier's Regenerative Nutrient & Soil Technology™ systems provide the cost effective tools to cleanse your soils, restore nutritional and microbial balance, increase natural disease and insect management, and provide an advanced platform for nutrient delivery whether by foliar or soil applications.