



**CATALYST
CARBONS**

THE MOST EFFICIENT CARBON SOURCE AVAILABLE!



Microbial activity in the soil is a critical aspect to efficient plant uptake of nutrients and ultimately, optimum crop growth and yields.

As the basic building block of all life forms, Carbon, all crops – in any growing environment – will benefit from an effective application that includes plant-available nutrients. Humic acids, in conjunction with long and short carbon chains, act as chelating agents to increase Nitrogen efficiency. This, in turn, allows for lower nutrient inputs.

Catalyst Carbons will help you grow more robust crops, and increase the efficiency of low-input nutrients.

Enhances Beneficial Soil Microbial Activity

The short and long chain carbons within Catalyst Carbons provide the “food” that microbes seek out within the root zone. The dramatically short life cycle of microbes dictates that a reliable blend of available carbon is necessary within the growing environment.

Allows For Greater Nitrogen Efficiency

Catalyst Carbons allows for lower overall Nitrogen inputs, which is not only more cost-efficient, but also reduces the risk of nutrient run-off into ground and surface water.

Provides Plant-Available Nutrition

The unique formulation of plant-available carbon and protein nutrients in **Catalyst Carbons** are vital for maximizing plant growth potential.



David Zuberer, Professor Emeritus, Texas A&M University said, *“Without a doubt, the most important limiting factor for microbial growth in soil (assuming moisture is adequate) is the abundance of available organic carbon sources.”*

While there are many Humic sources on the market, **Catalyst Carbons** is unique, with a carefully balanced blend of short and long chain carbons, along with proteins that are readily taken in by the plant for growth.

For greater soil structure, enhanced microbial activity and increased Nitrogen efficiency, **Catalyst Carbons** is your best choice.

Catalyst Carbons is a highly soluble Humic Acid derived from peat moss, rather than Leonardite. Soluble across a wide pH range.

APPLICATION RECOMMENDATIONS

Catalyst Carbons can be soil or foliar applied. It may be tank mixed with other fertilizers or agricultural chemicals after conducting a jar test for compatibility.

SOIL SPRAY APPLICATION: Can be soil applied by banding in or near the seed row or directly on the seed at a rate of 1-3 quarts per acre.

CONTROLLED IRRIGATION: Can be injected at a rate of 1-4 quarts per acre.

FOLIAR APPLICATION: Can be foliar applied at a rate of 1-2 quarts per acre.

ROOT DIP: Mix 2 quarts per 10 gallons of water (2-5% solution) by weight. Dip plant prior to planting.

ROOT DRENCH: Mix 6 ounces per 10 gallons of water (0.10-0.50% solution) by weight. Deliver solution to root zone.



Catalyst Carbons Benefits

The most efficient source of Humic acids available.

Ultra-Low application rates

Provides important Proteins for enhanced plant growth

Increases Nitrogen efficiency, allowing for lower overall N inputs

No additional baggage



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