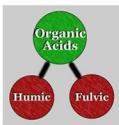




Organic Acids



Organic Acid is a general term for the two prominent acids found in soil: Humic and Fulvic Acid. Both are important to plant growth and health, and can be found in C&C Peat's Compost and Enviro-Peat. Through the use of potting media produced by C&C Peat, your plants will receive the recommended application rate of organic acids necessary for a healthy crop. Not all potting medias on the market will offer the high quality organic acids that you can find in our mixes.

What is an Organic Acid

And What does it mean to me?

Organic Acids are molecular compounds produced by the microbial decomposition of plant and animal tissues as well as biomolecules, such as: lipids, proteins, carbohydrates, and lignin after the death of living cells. These acids, both Humic and Fulvic, have beneficial properties for the horticulture industry. ***By utilizing Organic Acids you will be able to use your fertilizers more efficiently and achieve better results.***

Chelating Properties

A Chelating Property is the ability of one substance to bond with another substance. Humic and Fulvic Acids have the ability to bind themselves to certain essential minor elements—which are essential to plant health—such as: Magnesium, Calcium and Iron. Without this chelating process, your plants will have a harder time taking up and using these elements.



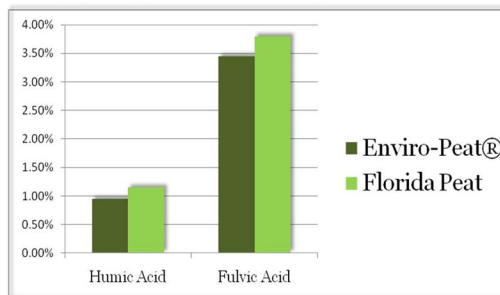
Detergent Ability



A detergent compound means having the ability to solubilize hydrophobic materials. Certain hydrophobic materials, such as: alkanes, oils and fats; can be solubilized by the detergent ability of Humic and Fulvic Acids. The process of solubilizing works best in the presence of such minerals as: Magnesium (Mg), Tin (Sn), Sodium (Na) and Hydrogen (H). In addition, lowering the soil pH boosts the detergent character of Humic Acid. While Fulvic Acid is not as good a detergent as it's "larger brother" (humic acid), it does have little tendency to aggregate materials, or cluster various materials into a larger substance. Both acids have their place in overall plant health.

C&C Peat's Organic Acid Content

Our Company is committed to providing our valued customers with the finest materials available, in order to assist you in your growing endeavors. To that end, we have analyzed the organic acid content in our Enviro-Peat and compared it to our straight Florida Peat. This table shows that Enviro-Peat contains roughly 4.5% of the total dry bulk density in organic acids. This equates to roughly 18# per cubic yard, which is the suggested application rate for healthy plant growth in most crops.



The Bottom Line: Organic Acids are beneficial to your growing needs by increasing the efficiency of fertilizers, transforming insoluble nutrients into soluble ones, retarding pathogenic fungi build-up and stimulating microbial activity.

