



Powered By black earth

Your Best Choice for Fulvic Acid

WHY USE ACTIVFC?

Nutrient transporter.

Fulvic Acid is permeable through root and leaf membranes so moves nutrients easily into the plant.

Made in Canada.

With the most stringent of processes, this is a high quality fulvic acid.

Application Options.

May be applied with starter fertilizer, as a foliar application or in hydroponics.



BENEFITS OF HUMIC ACID / FULVIC ACID



BIOLOGY

Provides a food source for soil microbes, increasing their activity in mineralization and crop residue breakdown processes.



CHEMISTRY

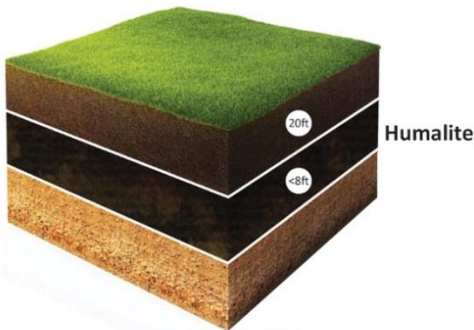
Increases the soil's Cation Exchange Capacity thus improving nutrient availability. Because it is amphoteric (neutralizes), it also impacts pH challenged acidic or alkaline soils, creating a more seed friendly environment, thus improving seed germination and viability.



NUTRITION

Creates nutrient bridges and displaces nutrients off of clay through electrostatic charges, making nutrients more plant available.

WHAT DIFFERENTIATES BLACK EARTH'S HUMICS FROM OTHER HUMIC PRODUCTS?

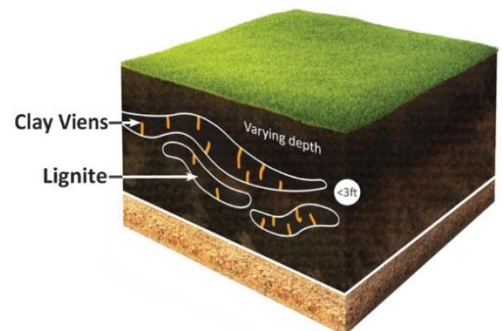


Black Earth Humic is unique because of its source. Mined in Alberta, Canada, our source was developed from flora with a very high nutritional value with freshwater in pre-glacial times. When the glaciers re-ceded, this layer was also exposed to oxygen, transforming it from sub-bituminous coal to weathered sub-bituminous coal, which when now used makes the humic substances much more available.

This layer is also a consistent layer, making it easy to mine and of consistent quality. Because it originated predominantly of plants, it also has low ash and heavy metal content. Because of these unique features, this area's source is technically called, "humalite".

Conversely, most other sources of humic acids come from "leonardite" or "lignite" sources. Because they were developed through salt water deposits and often a mix of flora and fauna sources, they usually naturally have higher ash and heavy metal content than humalite. Their humic and fulvic acid contents are also generally not as high nor as consistent.

Because of how the deposits were formed, they are not in an even strata and can wave into multiple layers, making mining more difficult. Quality and consistency of mined product can therefore vary greatly from geographical location and depth within a mine.



CROPS & APPLICATION RATES

May be utilized with any crop.

With Fertilizer: 30-60 ml per 0.5 hectare (1 to 2 ounces per acre)

Foliar Application: Dilute first to 1 part ACTIVFC to 150 parts water. Apply 2.5- 5 L/Acre (1-2 qt/Acre)

Hydroponics: Dilute first to 1 part ACTIVFC to 150 parts water to create a 1% Fulvic Acid Solution. Use this diluted solution at a rate of 7 – 10 ml/L (1 - 1.5 ounce / US gal)

PRODUCT INFORMATION

PACKAGING:

International:

18 L (4.75 US gal) jugs or 1,000 L (265 US gal) totes

North America:

18 L (4.75 US gal) jugs or 1,000 L (265 US gal) totes

STORAGE:

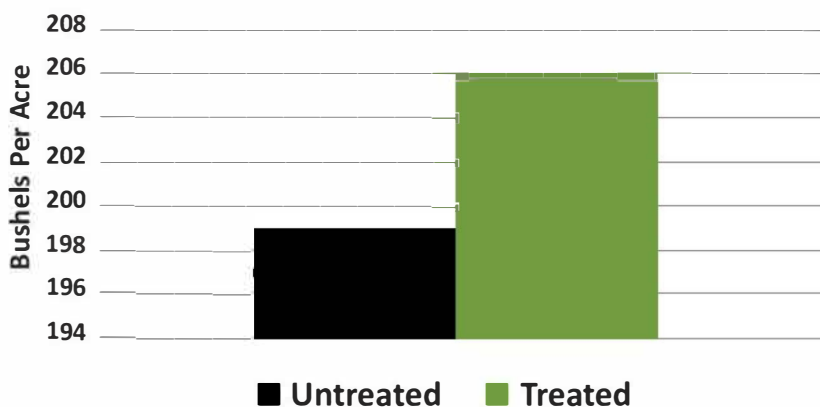
• Store jugs and totes indoors between 10 and 35 C (50 to 95F). Do not let freeze.

• Do not store in direct sunlight.

MIXING & BEST PRACTICES INSTRUCTIONS

- **ACTIVFC** has a relatively neutral pH so is compatible with nearly all fertilizers.
- Recommend conducting a jar test with a liquid fertilizer prior to using. As a secondary check, also evaluate using the same filter size mesh as in sprayer to ensure ease of use.
- Ensure adequate agitation when using with other products.

Results of 2017 Corn Yield Trials with Black Earth Humics



TECHNICAL DETAILS

Content Analysis

Hydrophobic Fulvic Acids	1.3%
pH	6
Colour	Black
Type	Liquid
Specific Gravity	1.05

black  earth



Calgary, Alberta, Canada

sales@blackearth.com . 1-403-930-1964
blackearth.com