



Powered By **black earth**



WHY USE ACTIV80 AG?



Up to 30% increase in phosphate availability.



10 parts humic buffers 1 part sodium



Reduce nitrogen volatilisation



Build reactive carbon



Approved by the CFIA

BENEFITS OF HUMIC ACID / FULVIC ACID



BIOLOGY

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



STRUCTURE

Improves soil tilth and aggregation through improving aeration and water movement in the soil.



CHEMISTRY

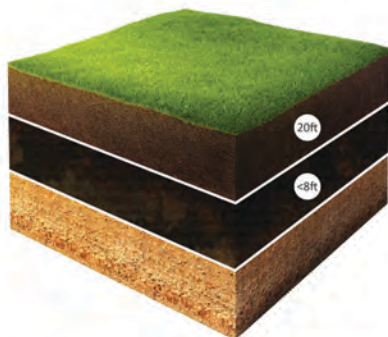
Increases the soil's Cation Exchange Capacity thus improving nutrient availability. Because it is amphoteric (neutralizes), it also impacts pH challenged acidic or alkaline soils, creating a more seed friendly environment, thus improving seed germination and viability.



NUTRITION

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

Humalite



WHAT IS BLACK EARTH?

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 receded, this layer was also exposed to oxygen, which today makes our humic source one of the most functional soil health products.

CROPS & APPLICATION RATES

May be utilized with any crop.

Broadcast:

115-285 kg/ha (100-250 lbs/ac)

In-furrow or side dress:

45 kg/ha (40 lbs/ac)

Substrate or potting mix:

1%-5% of total soil or substrate

PRODUCT INFORMATION

PACKAGING:

International: 25 kg (55 lb) bags; 907 kg (2000 lbs) mini-bulk bags

North America: 25 kg (55 lb) bags; 907 kg (2000 lbs) and 1089 kg (2400 lb) mini-bulk bags

STORAGE:

Small bags – store indoors. Avoid water and high humidity.

Mini-bulk bags – may be stored outdoors up to 1 year, preferably covered. Do not place directly on ground.

MIXING & BEST PRACTICES

- Soil apply only.
- When possible, utilize separate tank on seeding equipment for **ACTIV80 AG** for in-furrow application
- For broadcast application, best results are during calmer days to prevent dusting.
- **ACTIV80 AG** product integrity can degrade with excessive handling. For optimal results, minimize auguring to avoid particle size degradation.
- Can be blended with MAP 11-52, or Potash 0-0-60. Blend just before application.
- Do not mix with urea.
- Product can be impacted by moisture and humidity.
- Do not leave in equipment for an extended period.
- It is advised to wear a dust mask, as product can be dusty.

TECHNICAL DETAILS

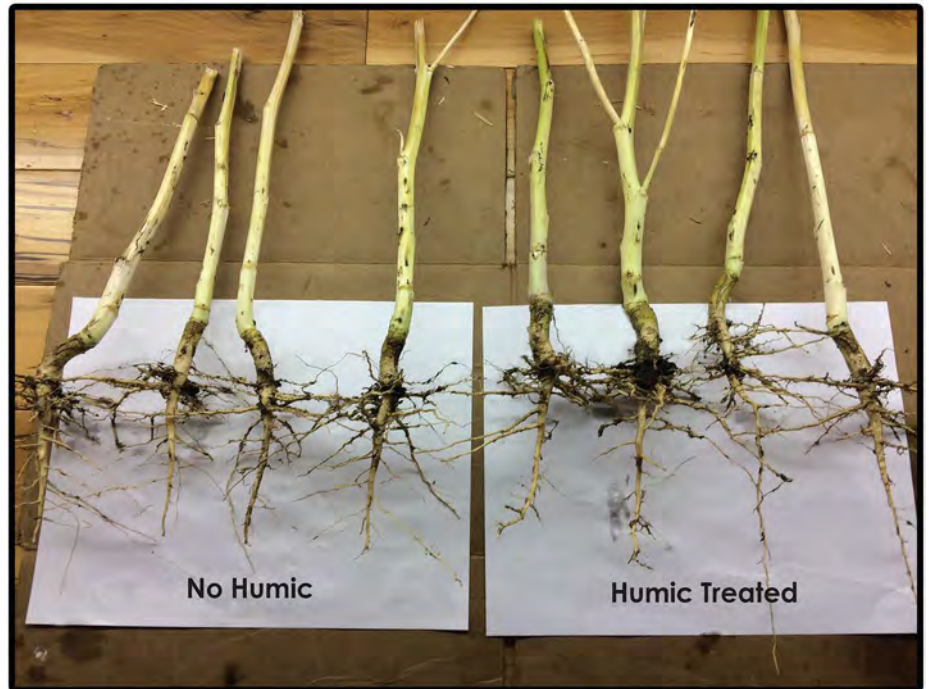
Content Analysis

Humic Acid	80%, (Colormetric method)
pH	3.5 - 4
Moisture	28%
Colour	Black
Type	Granule
Bulk Density	740 kg/m ³ or 49 lbs/ft ³

Particle Size

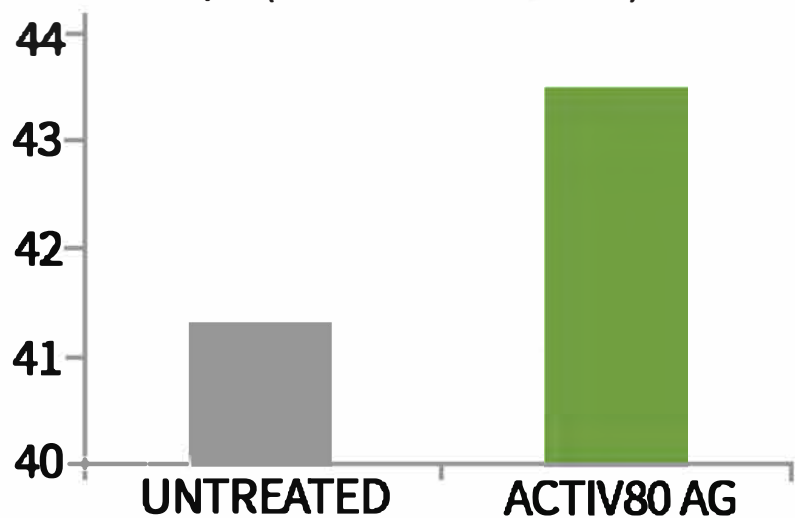
Typical	Mesh Size	Millimeters
35%	6 to 10	3.35 to 1.99
55%	10 to 40	1.99 to 0.42
10%	<40	<0.42

Results from 40 LBS on Canola In Furrow



Kinistino, SK. 2017 Trial

Bushels / Ac (40 LBS on Canola In Furrow)



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