

Certifications

Black Earth Mini-Granule Fine is:

Listed by OMRI



Registered with CFIA



Certified for use for NOP

Certified by the CDFA



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Alberta, Canada
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Mini-Granule Fine



Benefits

- Minimum 80% Humic and Fulvic Acids Content
- Great for Broadcasting
- Improves Tilth
- 100% Organic
- Increases Microbial Activity
- Long Lasting Effect
- Easy Application with Minimal Dust
- Aids in Water Retention
- Natural Chelating Agent
- Breaks Down Heavy Salts

Description

Our Black Earth Mini-Granule Fine is a soil amendment, fertilizer enhancer, and growth promoter to plants and soil microorganisms. Unlike fertilizers it works to not only benefit the plant now, but also improve soil conditions for the future. It is made from a naturally occurring type of oxidized coal that is very rich in humified organic matter, humic

and fulvic acids, with minimal impurities. All of our products are backed by solid scientific research proving their effectiveness. We perform frequent quality control testing to ensure the quality and consistency of our products. 100% naturally organic, it is classed as a non-hazardous material and has extremely low toxicity values.

Discover the benefits of Mini-Granule Fine ►

Additional Information



uptake of nutrients and decreasing nutrient losses caused by leaching. In combination with fertilization, it allows you to get the most out of your fertilization program and may even reduce the amount of nutrients applied. It will contribute to improving soil quality, texture, water holding capacity and sustainability, while breaking down clay lattices and reducing sodium built up in soils.

In addition, humic and fulvic acids in our MG Fine perform similarly to the plant growth hormone Auxin, which promotes plant growth and root development. This results in improved plant health and production of fruits and vegetables. It will also increase and enhance microbial activity aiding in the maintenance of healthy soils.

Our Mini-Granule Fine contains humic and fulvic acids, which act as natural chelating agents binding to nutrients in the soil. Plants' roots absorb these humic acid-nutrient compounds effectively increasing the efficiency of plants'

Technical Data

PHYSICAL ANALYSIS

	Typical
Humified Organic Matter	> 80%
Ash	< 20%
Moisture	30 – 35 %
pH	3.5 – 4.1
Color	Brownish – Black
Bulk Density	Loose - 49 lbs/ft.3; 790 kg/m3 Tapped - 53 lbs/ft.3; 840 kg/m3
CEC	>600 meq/100 grams (D.M. Basis)

SCREEN ANALYSIS

Tyler Screen Size	Typical %	Size mm
-6 to +10	=01%	3.353 to 1.999
-10 to +40	=74%	-1.999 to 0.419
-40	=25%	-0.4191

Packaging Information

The packaging used by Black Earth Humic is specially designed for the unique physical nature of Humates. Humates are a hygroscopic material; they are always working to draw moisture from their environment. Therefore, Black Earth has worked with our packaging supplier to design a special bulk bag that has multiple features, such

as an internal liner. This internal liner enables the product to be stored in all weather conditions without impacting the moisture content of the material. This means that when we dry the product in the facility, it is delivered to your door at the same moisture content, resulting in more humic acid per bag.

Available Packaging

- 50 & 55LB paper bags
- 50 & 55LB woven poly bags
- 2000,2205 & 2400lb tote bag
- Custom Labelling
- Custom Packaging

Other Applications

- Hydro seeding
- Turf
- Soil remediation
- Erosion control
- Waste treatment
- Mineral feed supplement

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Guaranteed Analysis

Contains:

NONPLANT FOOD INGREDIENTS

Humic Acids....80%

(A&L Analytical Method)

Total of Other Ingredients20%

(Inert Material)

Derived from Leonardite

Application Rates

Mini-Granule Fine can be blended with fertilizer or compost, or applied directly to the soil. Soil tests are recommended for the most accurate application rates. When mixing MG Fine with other products, a small compatibility test is recommended. Generally, we recommend **100 – 400 lb per acre annually** (110 – 450 kg per ha) applied in **2 – 4 applications** between spring and fall:

Agriculture

Pre-Plant or At Planting: Apply once or twice in the spring as mid row banding or side banding

In-Season/Blending: MG Blend is an excellent ingredient in fertilizer or compost blends to add natural organic material to the soil. Apply once or twice over the growing season. May also be applied directly to the soil.

Post Harvest: Apply once or twice in the fall to improve residue breakdown and soil quality for next year's growing season.

Turfgrass

Greens: 15-20lbs/1000Ft² (7.5-10kg/100m²) annually, applied in 4-6 equal monthly applications.

Tees & Fairways: 10-20lbs/1000Ft (5-10kg/100m) annually, applied in 4-6 equal monthly applications

Hydroseeding: Apply with mixture at an application rate of 400-600lbs per acre.

Environmental

Soil Remediation: Broadcast at 500lbs per acre annually, applied in 3 equal applications over the course of a year.

Waste Treatment: When applying Humates for the purpose of waste treatment, please contact your Sales Rep, as this will be specific to your situation.

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Black Earth Humic Production Facility in Ryley Alberta, Canada



Chemical Analysis Mini-Granule Fine

Parameter	Level	Unit
Humalite	86.73	% (Colorimetric)
pH	3.9	n/a
Ag	53	ppm
Al	3.83	%
As	2	ppm
Au	<1	ppm
B	706	ppm
Ba	525	ppm
Bi	<1	ppm
Ca	1.28	%
Cd	<1	ppm
Co	<1	ppm
Cr	6	ppm
Cu	21	ppm
Fe	0.45	%
K2O	0.30	%
La	5	ppm
Mg	0.26	%
Mn	210	ppm
Mo	3	ppm
Na	0.34	%
Ni	4	ppm
P	0.01	%
Pb	11	ppm
Sb	1	ppm
S	0.41	%
Sr	215	ppm
Th	9	ppm
Ti	0.08	%
U	<1	ppm
V	28	ppm
W	2	ppm
Zn	5	ppm

Sources: Loring Laboratories, May 2013.

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