

Certifications

Black Earth Organo Liquid Hume is:

Listed by OMRI



Registered with CFIA



Certified for use for NOP and IFOAM

Calgary & Edmonton,
Alberta, Canada
780-453-2100

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Organo Liquid Hume - 12%



Benefits

- 12% Humic and Fulvic Acids Content
- Great for Fall Residue Breakdown
- Fast Acting Product
- Great for Both Foliar and Soil Application
- Easy to Mix With Other Products

Description

Our Black Earth Organo Liquid Hume is a supreme liquid humic product that contains both humic and fulvic acids. 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, Organo Liquid Hume is processed using a minimum amount of chemicals. It is classed as a non-hazardous material and has extremely low toxicity values. It may be used as a soil amendment, foliar spray or fertilizer enhancer.

Discover the benefits of Organo Liquid Hume ►

Available Packaging

- 5 US gal (20 L) Jugs
- 264 US gal (1,000 L) liquid totes
- Bulk loads

Other Applications

- Hydro Seeding
- Turf
- Horticulture
- Green houses
- Hydroponics
- Nursery
- Ornamental
- Orchards
- Vineyards
- Deep root treatment
- Soil remediation
- Hydrocarbon flushing

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Additional Information



Our Organo Liquid Hume is ideal for use on all soils and plants under all conditions. Humic and fulvic acids in our Organo Liquid Hume 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' uptake of nutrients and decreasing nutrient losses caused by

leaching. Being in liquid form, it is fast acting and highly effective at delivering humic acids deep into the soil and/or to the plant. 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 Organo Liquid Hume perform similarly to the plant growth hormone Auxin, which promotes plant growth and root development, and 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.

Technical Data

PHYSICAL ANALYSIS

| | |
|------------------|---|
| Humic Acid | 12% |
| pH | 9.5-10 |
| Color | Brownish-Black |
| Specific Gravity | 1.05 - 1.09 kg/L or 8.8 - 9.2lbs/U.S.Gallon |



Available

- 264 US gal (1,000 L) liquid

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Application Rates

Organo Liquid Hume is water soluble, compatible with most products and easy to incorporate into your existing liquid program. Proper timing, rate, and placement of Organo Liquid Hume is important for desired results and highly dependent on stage of crop growth, soil fertility levels, and environmental conditions.

Mixing Directions:

Organo liquid Hume is compatible with many liquid fertilizers, micro nutrients, pesticides, and water. Addition of Organo Liquid Hume to these products should not be done without first testing compatibility on a small scale. When mixing with water, fill container half full, add Organo Liquid Hume, then the remaining water. When mixing pesticides, dilute Organo Liquid Hume with water prior to the addition of buffering agents and pesticides. Do not tank mix with carbonate-based pesticides, as efficacy will decrease. Follow all directions and precautions on pesticide labels prior to mixing with Organo Liquid Hume. Ensure adequate agitation in all situations.

DO NOT MIX Organo Liquid Hume with calcium nitrate, phosphoric acid, zinc sulfate or other solutions with a pH of less than 6.0.

CAUTION: When combined with aqua ammonia, vapor releases may result in pressure build-ups. For such mixtures, only use mixing and application equipment that are vented and/or have pressure relief valves.

Agronomic Uses

Seed and Potato Seedpiece Treatment: Apply 2-3 Liters of Organo Liquid Hume in 100 liters of water as a seed treatment or spray dip.

Transplant Water: Apply 1 liter of Organo Liquid Hume in 100 liters of transplant solution.

Preplant In-Furrow and Sidedress: Apply 5 - 12.5 liters of Organo Liquid Hume per ha (or .06 - 1.3 gallons/acre). Band or broadcast in tank mixture with or sequentially to fertilizer applications.

Horticultural Uses

Transplants and Cuttings: Apply 1 liter of Organo Liquid Hume per 100 liters of Transplant solution.

Trees, Shrubs, and Bedding Plants: Mix 0.3 mls of Organic Liquid Hume with 1 liter of water (1/4 teaspoons per gallon of water). Apply resulting solution to plant material.

Established Ornamentals: Use 1 liter of Organo Liquid Hume per 100 liters of water every 45 - 60 days during the growing season. Apply as a normal irrigation. As part of a fertilization program, apply 9 liters of Organo Liquid Hume per 100 kgs (or 1.1 gallons/100lbs) of actual plant nutrients. Water in thoroughly.

Landscape and Turf

Broadcast 23 - 45 mls of Organo Liquid Hume (or 1 ½ - 3 tablespoons/1000ft²) per 100m³ in 4 - 6 equal applications throughout the growing season. Irrigate into soil.



Certificate of Analysis

Chemical Analysis: Organo Liquid Hume (As Received)

| Parameter | Level | Unit |
|------------|-------|------|
| Humic Acid | 12 | % |
| pH | 10 | n/a |
| Ag | <0.5 | ppm |
| Al | 0.06 | % |
| As | 4 | ppm |
| Au | <1 | ppm |
| B | 20 | ppm |
| Ba | 35 | ppm |
| Bi | 43 | ppm |
| Ca | 0.13 | % |
| Cd | <1 | ppm |
| Co | <1 | ppm |
| Cr | <1 | ppm |
| Cu | 2 | ppm |
| Fe | 0.04 | % |
| K | 2.15 | % |
| La | <1 | ppm |
| Mg | 0.02 | % |
| Mn | 19 | ppm |
| Mo | 1 | ppm |
| Na | 0.02 | % |
| Ni | <1 | ppm |
| P | <0.01 | % |
| Pb | 2 | ppm |
| Sb | <1 | ppm |
| S | 0.03 | % |
| Sr | 17 | ppm |
| Th | 3 | ppm |
| Ti | <0.01 | % |
| U | <1 | ppm |
| V | 3 | ppm |
| W | 6 | ppm |
| Zn | <1 | ppm |

Sources: A&L Western Ag Laboratories, May 2013.

Disclaimer: This product may not be available for purchase or authorized for use in every state. In addition, some states, Countries, and cities may require special licensing and training to sell, purchase or apply the product presented in this brochure. It is the responsibility of the distributor, retailer or professional applicator to verify, before product sale/purchase, that the product is approved for the use intended in their state, country and city.

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