

# ActivHume™

Multifunctional Bio-Geo-Chemical  
Catalyst for Soil Application

## Supercharge Your Soil's Engine.

ActivHume™ is a patent-pending water soluble dry granule. It is compatible with most dry fertilizers and micronutrients and is designed to be spread by itself or dry blended with other fertilizers.

ActivHume is not a substitute for traditional nutrients, but it works with common fertilizers or by itself to build and strengthen the natural bio-cycle within the soil as well as to improve nutrient holding capacity in the soil and nutrient uptake by the plants.

Once placed in the soil, ActivHume begins to dissolve and work biologically, geologically and chemically.

- **Biologically:** *ActivHume stimulates microbial activity as well as root and plant growth*
- **Geologically:** *ActivHume rebuilds soil structure, organic matter and native minerals, leading to better soil porosity, water-holding capacity and reduced compaction*
- **Chemically:** *ActivHume increases CEC, helping to hold vital nutrients in the soil for plant use*

## The Superior Product:

- **Active:** Designed for optimum bio, geo and chemical activity
- **Flexible:** Can be dry-blended with most dry fertilizers and micronutrients, or spread by itself
- **Effective:** Across all soil and plant types
- **Comprehensive:** Positively affects all soil constituents, bio-geo-chemical processes and crops, resulting in higher yield and produce quality (protein, carbohydrates, vitamin contents, etc.)



**Examples of ActivHume™ application:**

- Damaged, polluted and under yielding soils
- Compacted Soil
- Low biological activity
- To enhance micronutrient uptake
- Slow release for Fall applications
- Blend with dry fertilizers and micronutrients

**Agricultural benefits include:****SOIL**

- Increased soil organic matter content and native soil minerals
- Helps aggregate clay and sandy soil
- Increased soil water holding capacity
- Increased bio-activity from native microbes and suppressed pathogens
- Increased decomposition of agrochemical pollutants
- Reduced soil compaction

**PLANTS**

- Increased fertilizer utilization (slow release and increased absorption by soil organic and mineral matter) resulting in less leaching
- Reduced impact on plants from heavy metals, pesticides and other toxins
- Higher potential crop yields and quality
- Increased sugar, starch, oil and protein
- Increased stability under drought and other negative climatic and ecological conditions
- Reduced nitrates, pesticides and heavy metals in edible produce

**Organic Content:**

Total organic matter content: approximately 70% (on dry basis), including:

- Humic acid: 60%
- Fulvic acid and other organics: 10%

**Mineral Content:**

- Phosphorus (as P<sub>2</sub>O<sub>5</sub>): 0.01%
- Potassium (as K<sub>2</sub>O): 0.11%
- Iron (Fe<sub>2</sub>O<sub>3</sub>): 0.78%
- Magnesium (MgO): 2.05%
- Manganese: 0.02%
- Boron: 0.02%
- Sulfur: 2.05%

**Properties**

- **Physical state:** Solid
- **Color:** Dark brown, black
- **Odor:** Low, light earthy
- **Granule Size:** 1/3 - 1/5" (5-8mm)
- **Bulk Density:** 42 lbs./ft<sup>3</sup> (672.8 kg/m<sup>3</sup>)
- **Moisture:** Approximately 15%
- **pH (at ratio 1:2.5 v/v):** 10 - 11
- **Freeze Point:** n/a
- **Boiling Point:** n/a
- **Compatibility:** Can be dry-blended with most freeze-dry fertilizers and micronutrients.

**Application**

- Dosing rate is minimum 5-10 kilograms per one hectare (4.5 – 9) pounds per one acre up to 40 lbs./acre (7 kg/ha)



Listed by the Organic Materials Review Institute (OMRI) for use in organic production.

To learn more about this product, please contact us:

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