



HUMA BURST® MICROMATE

Carbon-Rich Organic Acid

Guaranteed Analysis

Total Humic Acid (HA) and Fulvic Acid (FA) 60%–70%*

*Determined using the Colorimetric Method

Natural Suspension Agent 7.5%

Other Methods:

Total HA 35%–40%†

†Analysis using CDFA Method

Total HA 40%–45%‡

‡Analysis using HPTA or ISO 19822 Method

Derived From:

Oxidized leonardite and suspension agents

Physical Properties:

Form: Solid

Appearance: Dark reddish brown to black powder/
dust having no odor.



Caution:

Keep out of reach of children.

Dust hazard. Use eye protection and particulate respirator when handling dry material.

Storage and Disposal:

Keep product in original bag. Do not transfer into food or drink containers. Always dispose of bag in accordance with local, state, and/or federal regulations.

Conditions of Sale:

The information contained in this bulletin is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, crop conditions, and other factors are beyond the control of the seller.

Another Great Product From
MESA VERDE
HUMATES®

The Humic and Fulvic Acid Solution for Soil Fertility

Huma Gro® HUMA BURST® natural humic and fulvic acid products are processed from naturally occurring, oxidized lignite. These products are milled to specific granular sizes for different agricultural uses and applications. They provide a concentrated source of humic and fulvic acids and are a supplemental source of trace elements. Humic and fulvic acids add organic matter to soils—which stimulates soil microbial life and soil fertility, enhances plant nutrient availability and uptake, improves root development and root mass and growth, and increases crop quality and yield.

Huma Gro® HUMA BURST® MICROMATE is the result of a revolutionary new micronizing technology and is designed for suspension in a liquid to deliver the maximum possible concentration of humic and fulvic acids, plus a clay/mineral suspension agent. Huma Burst® MicroMate uses the advantage of its tremendous surface area to more readily improve plants and soil. When in liquid suspension form, its total humic/fulvic acid analysis of 24% exceeds any known liquid product on the market. HUMA BURST® MICROMATE is non-toxic and safe to handle. The product's natural pH of 3.7 enables it to be safely used in all types of agriculture and horticulture settings.

Benefits of Use:

- Short-term soil organic-matter building
- Increased water penetration
- Increased soil flocculation
- Promotes conversion of fertilizer into plant-available food
- Increases nutrient mineralization
- Sustainable soil microbial activation

Deficiency Symptoms—When to Apply:

- Low organic matter
- Low fertility soil
- Continuous use, tired soils

Application Instructions:

- Designed to be put into suspension and applied to the soil. Best results will be obtained when application is concentrated in the active root zone or when applied directly to the soil followed by shallow cultivation.
- As a spray, dilute by at least a factor of 10–15 and continue agitation to ensure even distribution. For foliar, apply 1 to 2 gallons/acre (9 to 18 liters/hectare, for 12% solution, 2–3 times per growing season. Flush spray system with water for 5–10 minutes after application to clear.
- Can be applied in combination with compatible plant growth regulators, pesticides, or other suspension fertilizers (UAN, 10-34-0), using fertigation or spray.
- Consult your local Huma Gro® representative for crop-specific recommendations.

GUIDELINES FOR CREATING SUSPENSION, Gallon or Liter

Target Min. Percent. Humic + Fulvic Acids	MicroMate lb (kg)	Water gal (l)	Water oz (mL)	Total Weight lb/gal (kg/l)
24.0%	3.76 (0.45)	0.67 (0.67)	85.8 (670)	9.35 (1.12)
20.0%	3.05 (0.37)	0.73 (0.73)	93.4 (730)	9.09 (1.10)
16.0%	2.37 (0.28)	0.78 (0.78)	99.8 (780)	8.85 (1.06)
12.0%	1.73 (0.21)	0.83 (0.83)	106.2 (830)	8.62 (1.04)
8.0%	1.12 (0.13)	0.88 (0.88)	112.6 (880)	8.40 (1.01)