

MICRONA™ AG H2O Solution Grade Direct Soil or Spray Application

Micronized Material for Maximum Return

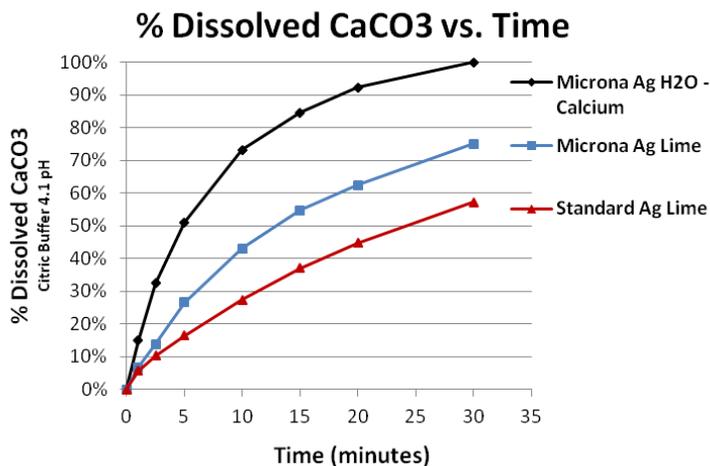
MICRONA™ AG H2O Solution Grade made from micronized, high quality, exceptionally fine, calcium carbonate is a dry powder that is simple to mix with water for use in direct soil and water applications. MICRONA provides a fast pH and calcium adjustment, with good infiltration through the soil profile. Also good for flood or sprinkler irrigation systems and Ca and pH control in aqua systems. Use for grapes, pome and stone fruit, berry, nursery stock and other valuable specialty crops.

- **Quick Reactivity**
- **High Dissolution Rates**
- **Fast Uptake**
- **Increased Calcium Availability**
- **Proven Effectiveness**
- **An approved material under WSDA organic food program**

Quick Reacting Lime

MICRONA has a high dissolution rate which explains its lightning quick response for pH adjustment and calcium nutrition. Soil conditions have an effect on the outcome of root diseases caused by soilborn pathogens. MICRONA, through a fast pH and calcium nutrition increase, can have a strong impact on the interaction of pathogen, plant and environment.

MICRONA works better because smaller particles have a higher surface area to volume ratio, thereby enhancing reactions. Contrary to common belief, this very fine calcium material does not wash out, but is retained in the upper horizon of soil. The result is that less lime is required to both reach your desired pH and increase soil calcium levels.



Agricultural practice to increase crop production

Research has proven, that MICRONA supports the reduction of clubroot in brassicae, fusarium, pythium, aphanomyces and other root rot, prevents blossom end rot, bitter pit, corking and other plant physiological disorders¹, aids in seed germination of legumes and other vegetables, and can drastically increase plant bio mass. Research done by soil microbiologists shows that fine agricultural lime has the largest positive impact on earthworms and microbes compared to coarser lime or dolomite.²

With all that, MICRONA can help growers lower their input costs.

Micronized to maximize!

- MICRONA's superior neutralizing value, micronized particle size, and solubility make it the most effective liming material on the market.
- Add MICRONA™ AG H2O Solution Grade to your nutrient management program today.

LMT™
Lime Management Technology



MICRONA™ AG H2O Solution Grade

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Guaranteed Analysis

Calcium (Ca)	38%
Calcium Carbonate (CaCO ₃)	96%
Magnesium Carbonate (MgCO ₃)	0.5%
Calcium Carbonate Equivalent (CCE)	98%
Oregon Lime Score	97

Derived from limestone.

Sieve Analysis

Amount passing 60 mesh sieve:	100%
Amount passing 100 mesh sieve:	100%
Amount passing 325 mesh sieve:	99%

Typical Physical Characteristics

Ultra fine, high quality, white Calcium Carbonate product.

Moisture (%)	< 3%
Specific Gravity Limestone (g/cm ³)	2.7
pH	9
Density (Scott)	31.2 lbs/ft
Density (packed)	50 - 60 lbs/ft
CAS #1317-65-3	



Application Information

MICRONA™ Ag H2O Solution Grade - exceptionally fine calcium that is simple to mix with water and is quickly available to plants and microbes. It is perfect for use in flood or sprinkler irrigation systems.

Irrigation water: Recommended: 20 - 100 lb/acre, agitation required. Can be applied up to 10 times during the season as needed or as recommended by analysis.

Fluid Lime preparation: Typically requires agitation in a watery solution of 8 lbs/gallon applied at 125 to 500 lbs/acre. Can also be broadcast with a drop spreader and watered in.

Use as directed. Can be applied any time of year. Follow soil test recommendations for optimum performance.

Notes:

¹Stone, A., Heinrich, A.; OSU and OPVC Clubroot Control Strategies on Brassicas (2014) Heyman, F.; SUAS Root Rot of Pea Caused by *A. Euteiches* (2008) DuToit, L., Gatch, E.; WSU Fusarium Wilt in spinach seed production (2014); Imes, J. Honeycrisp trial blocks, Naches, WA (2015).

²MICROBIAL ACTIVITY AFFECTED BY LIME IN A LONG-TERM NO-TILL SOIL, Juan P. Fuentes, David F. Bezdicek, Markus Flury, Stephan Albrecht, Jeffrey L. Smith. Soil & Tillage Research 88 (2006).



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