

MICRONA™ Agricultural LIME

REACTIVE, EFFECTIVE & EFFICIENT



MICRONA Agricultural Lime is made from high-quality, micronized, natural calcium carbonate. Manufactured to react quickly to correct low soil pH, improve soil structure and provide essential calcium nutrition. Improving low soil pH will prevent solubility of aluminum and other metals.

Corrects acid soils

The micronized calcium carbonate powder of MICRONA Agricultural lime is consistently manufactured to a median particle size roughly the size of a grain of pollen. Its extremely high surface area drives a faster, more complete reaction with soil acidity.

Maintaining soil at optimal pH improves the environment for beneficial soil microbes and increases the availability of applied fertilizers as well as improving availability of nutrients that can be tied up because of low pH.



Improves soil structure

MICRONA Agricultural Lime releases exchangeable calcium during acid neutralization to promote soil flocculation and stability. This improves water and air circulation, increases water holding capacity and prevents nutrient leaching. Research done by soil microbiologists shows that fine agricultural lime has the largest positive impact on microbes compared to coarser lime or dolomite.

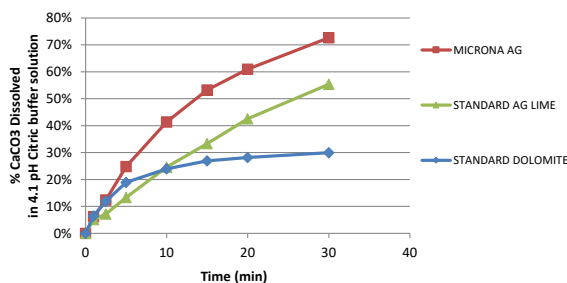
Provides calcium nutrition

Calcium is vital for plant structure, strength and metabolism. A continual supply is required throughout the growing season. MICRONA Agricultural Lime provides available calcium for uptake, promoting crop resilience and improving marketable yields.

Delivers predictable, repeatable results

MICRONA Agricultural Lime is manufactured to the highest standards. With consistent high quality and reactivity, MICRONA Agricultural Lime delivers predictable, repeatable results to improve farm profitability.

% Reactivity vs. Time



Superior Acid Neutralization

The rate of acid neutralization strongly depends on the rate of dissolution of calcium carbonate. While particle size has a significant influence on reactivity, we found that variations in reaction times exist regardless of particle size. Tests show that different ag-lime materials in general, can vary in terms of reactivity and soil neutralization. MICRONA is able to react and neutralize soil acids very efficiently.

Delivers predictable, repeatable results. Always has. Always will.



MICRONA™ Agricultural Lime

A highly reactive, fast-acting soil amendment that supplies essential calcium nutrition to the crop.

- Raises soil pH quickly
- Micronized powder <200 mesh
- Dissolves rapidly for efficient mobility in the soil
- Provides calcium nutrition for greater crop resilience
- Higher surface area = reduced application rates
- Increases water and nutrient uptake
- Improves soil structure

Guaranteed analysis

Calcium (Ca)	38%
Calcium carbonate (CaCO ₃)	96%
Calcium carbonate equivalent (CCE)	98%
[Oregon] Lime score	97

Derived from limestone.

Application recommendations

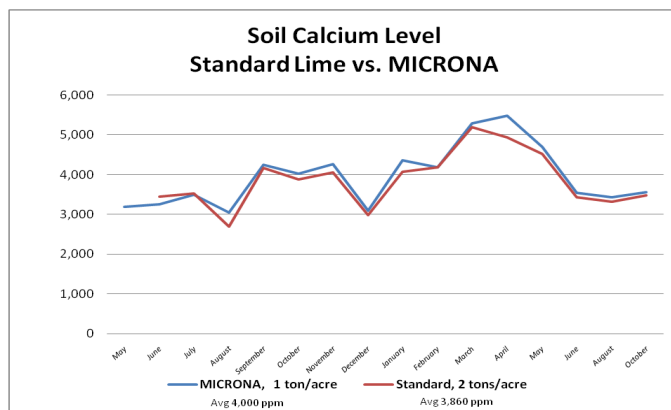
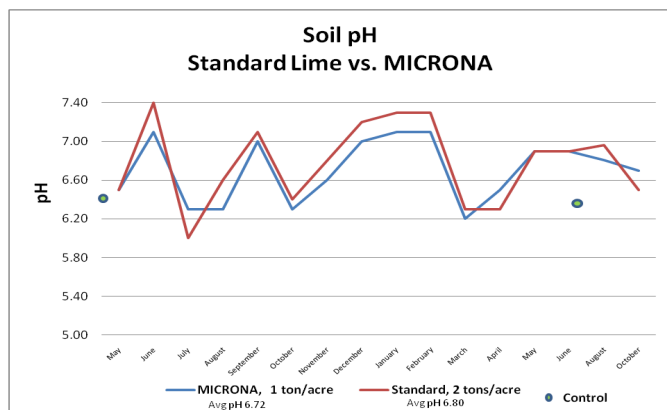
Typical range of application 200-3,000 lbs/acre based on soil tests, cropping requirements and local experience. Please consult your crop advisor prior to applications of soil amendments for optimal performance. Use as directed.



MICRONA™ Application rates are significantly lower than standard aglime. Simply put, MICRONA is more efficient because smaller particles have a higher surface area to volume ratio, thereby enhancing reactions. Contrary to common belief, very fine calcium material does not wash out, but is retained in the upper horizon of soil. The result is less lime is required to reach desired pH and increase soil calcium levels.

Oregon Willamette Valley grass seed trial results over a 3 year period:

Application rates: MICRONA one ton/acre vs Standard Aglime two ton/acre



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