

HydroCal®

Liquid Calcium Carbonate

Liquid lime to adjust pH and deliver calcium nutrition. Micronized calcium carbonate. HydroCal's rapid reactivity corrects acid soils and calcium deficiencies. Can be used in most water run systems.

29% Calcium, 73% Calcium Carbonate, 74% Calcium Carbonate Equivalent

- HydroCal liquid lime is micronized through special wet milling technology
- Ultra fine grade for immediate availability
- Apply through center pivot, solid set or hand line
- Spray apply. Reach your target pH in weeks with reduced application rates and lower input cost
- Safe to handle, non-caustic, will not burn

MICRONA™ - Prilled Lime

Adjust pH and provide calcium nutrition.

Calcium helps release critical nutrients, improves soil structure, and root development. Increases soil microbial activity.

33% Calcium, 82% Calcium Carbonate, 0.6% Magnesium Carbonate, 88% Calcium Carbonate Equivalent

- Flexible application
- Feed stock is high quality, super-fine ground, fast reaction
- Minimum binders – dissolves easily
- Uniform – blends and handles well
- Lower application rates, precision applied
- Safe to handle, non-caustic, will not burn

MICRONA™ Prill - Gypsum

Calcium nutrition without pH adjustment.

Gypsum adds essential calcium and sulfur to soil. Helps leach out harmful salts, improves soil structure.

92% Calcium Sulfate Dihydrate, 21% Calcium, 17% Sulfur

- Flexible application
- Feed stock is high quality, super-fine ground, fast dissolution.
- Minimum binders – dissolves easily
- Uniform – blends and handles well
- Lower application rates, precision applied
- Safe to handle, non-caustic, will not burn

Notes:



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HydroCal®
MICRONA™ - Prilled Lime
MICRONA™ Prill - Gypsum



MICRONA™ Calcium Nutrition in Your Potato Crop

Calcium is a vital nutrient for potatoes. Not only does calcium provide multiple benefits to the plant during growth, it plays an important role in storage quality by reducing internal brown spot, hollow heart and internal decay as well others.

Features and Benefits

- Manage calcium and pH in one application
- Predictable, cost effective calcium nutrition
- Proven calcium absorption & assimilation
- Provides disease resistance & stress tolerance
- Improves skin finish & storage
- Safe to handle, non-caustic, will not burn



Columbia Basin Potato Trial

Research shows calcium levels above 0.2% in the peel will increase packouts by preventing Erwinia, Internal Rust Spot and Internal Brown Spot. Application of MICRONA™ products increased calcium to the desired levels.

Trial Purpose:

“Calcium plays an important role in maintaining tuber quality in storage and reducing internal tuber disorders due to water or temperature stress. In some situations, localized Ca deficiency may occur on high testing Ca soils and can result in tuber storage and internal breakdown problems.”¹ Micronized MICRONA™ products increase calcium levels in potatoes helping you grow your bottom line.

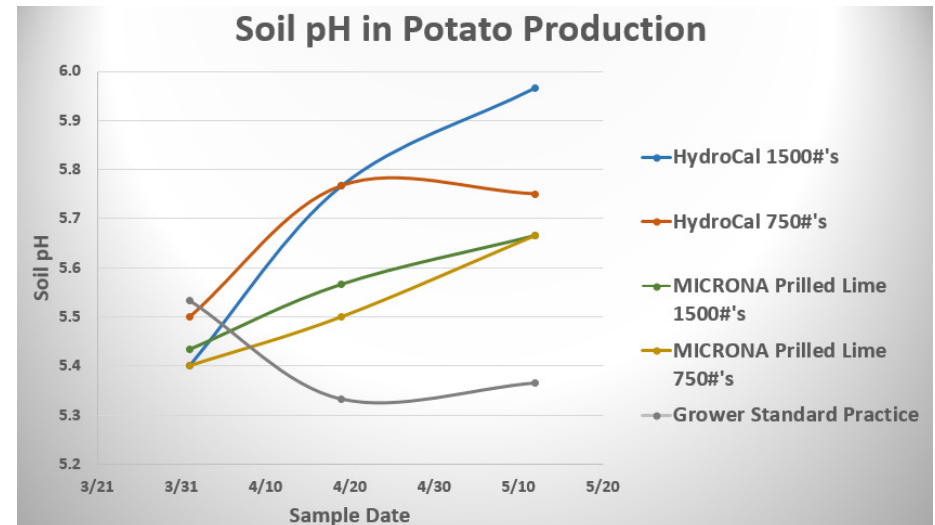


¹NUTRIENT MANAGEMENT FOR POTATO PRODUCTION, Carl J. Rosen, Professor Department of Soil, Water, and Climate University of Minnesota St. Paul, MN 55108.

Trial Results:

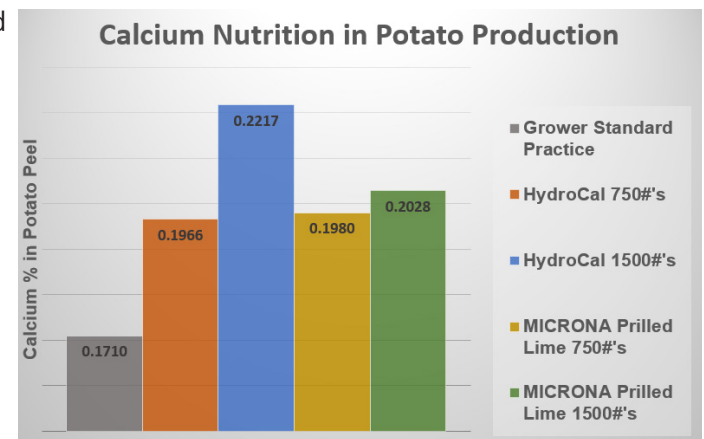
- Increased Tuber Calcium
- Managed acidification from fertilizer
- MICRONA products provided predictable results

Growers with low soil test calcium values will benefit from application of MICRONA™ calcium products.



Trial Management:

Randomized, replicated complete block design, two products, control with four replications. Application was made post-plant before dammer diking, broadcast applied. Cooperative dataset generated between Simplot Growers Solutions & Columbia River Carbonates.



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