



BioWorks®

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ON-Gard® CALCIUM



ON-Gard CALCIUM is a unique organic liquid calcium formulated with plant derived soy protein hydrolysate and calcium chloride for the treatment and prevention of calcium deficiency in all crops.

Fertilizer: 1-0-0 + 5% Calcium

Benefits & Features

- Increases uptake efficiency of calcium by plants
- Allows for reduction in application rates
- Less mineral deposits
- Higher dilution decreases risk of phytotoxic injury
- Improves yield and quality of fruits and vegetables
- Reduces crop losses associated with calcium deficiency
- Useful in organic *and* conventional crops
- Compatible with most fertilizers, chemicals and biological products
- Excellent on tomato, pepper, lettuce and poinsettia



REDUCED RISK

Cut your risk when using a calcium supplement. Soy protein hydrolysate doubles the uptake efficiency of calcium by plants. Spray half as much product for the same calcium effect.



INDEPENDENT RESEARCH

Western Ag. Research, John Helm, confirms double the uptake efficiency of calcium with this soy protein hydrolysate.



SUSTAINABLE. SIMPLE. SUPPORT.

For 25 years, BioWorks has been helping our customers to develop effective and efficient programs using safer, sustainable products - backed by a personalized approach to support.

At BioWorks, we strive to simplify the use of biologicals with our ongoing commitment to information, education and service.

BRACTS AND LEAVES

ON-Gard CALCIUM is useful in both ornamental and vegetable production.





ORGANIC BIOLOGICAL PLANT NUTRIENT FORMULATED FROM PLANT-DERIVED PROTEINS



PRODUCT INFORMATION

- Derived from soy protein hydrolysate
- Protein hydrolysate is the organic material obtained by the enzymatic hydrolysis of proteins to their constituent amino acids and short polypeptides
- Suitable for use on all growing plants
- Available Sizes: 9.46, 19 and 113 L
- Specialty Fertilizer for use in Greenhouse, High Tunnel, Nursery, Turf and Landscape
- [Information for organic growers](#)

SHELF LIFE

- 2 years when stored at room temperature or refrigerated
- Do not freeze or store outdoors
- Store between 4° and 35° C (40° and 95° F)



APPLICATION NOTES

- Plants respond best to ON-Gard CALCIUM application at key nutrient demand periods such as rapid growth, bloom and fruit development, as well as prior to stress events such as major changes in light and humidity
- Particularly important at pre-finishing to insure adequate calcium in all tissue
- ON-Gard CALCIUM is an excellent tank-mix partner with a wide range of products; perform a basic jar test or consult BioWorks' technical sheet for compatibility
- ON-Gard CALCIUM should be applied as a foliar spray using any type of sprayer (hand, hydraulic, air blast) or overhead irrigation method



APPLICATION RATES

FOLIAR SPRAY

FIELD GROWN PLANTS

- 500ml-1L/ha
- Use as much water as needed for adequate foliar coverage

GREENHOUSE, NURSERY AND HIGH TUNNEL

- 250ml to 500ml/400L
- On all ornamental or edible crops

TECHNICAL SUPPORT

If you are a commercial grower with a question or if you want to discuss a particular issue, contact us.

Our team is ready to discuss your crop-specific issues or any questions you have about our products. We will provide you with rapid, comprehensive and personalized support.

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DOUBLES CALCIUM UPTAKE EFFICIENCY

Calcium uptake study on broccoli conducted by Western Ag. Research, John Helm, found that soy protein hydrolysate doubles uptake efficiency of calcium.