



BioWorks®

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ON-Gard®



ON-Gard is an organic biological plant nutrient formulated from 100% plant-derived proteins. These proteins are precisely split for consistent free amino acids and soluble peptides that are immediately available to plants.

Plant Nutrition | Nutrient Complement: 5-0-0

Benefits & Features

- Increases stress tolerance to temperature extremes, drought and salt
- Enhances nutrient uptake and overall absorption
- Acts as a vegetative biostimulant
- Increases root growth and lateral development
- Improves yield and quality of fruits and vegetables
- Compatible with most fertilizers, chemicals and biological products
- Applied as spray, root drench or dip
- Augments the uptake of other nutrients



VERSATILE PRODUCT

Benefits from ON-Gard are most evident when applied at low usage rates early in crop programs. ON-Gard is also valuable in finishing, especially when applied in advance of crop stress.



OMRI LISTED

ON-Gard is ideal for both organic and conventional crop programs. It complements most production management practices.



INCREASE BRUX AND CHLOROPHYLL CONTENT

These direct measurements of crop quality lead to yield improvement and maximum returns on investment. By enhancing nutrient uptake, ON-Gard use can reduce total input costs.



SUSTAINABLE. SIMPLE. SUPPORT.

For over 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.



ORGANIC BIOLOGICAL PLANT NUTRIENT FORMULATED FROM PLANT-DERIVED PROTEINS



PRODUCT INFORMATION

- Derived from soy protein isolate
- Supplies nitrogen in the form of amino acids
- Suitable for use on all growing plants
- Available Sizes: 9.46 L, 18.93 L and 113.56 L
- Registered for use in Canada



SHELF LIFE

- 2 years when stored at room temperature or refrigerated
- Do not freeze or store outdoors
- Stable when stored between 4-35 °C
- Store in a dry place

REGISTRATION NO. 2017131D

Fertilizers Act



APPLICATION NOTES

- Plants respond well to ON-Gard application at key nutrient demand periods such as seed germination, bloom, and fruit development, as well as prior to stress events such as drought or temperature extremes
- Can be applied as a pre-plant root dip or as a seed drench using 1% v/v rate

- ON-Gard 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 can be applied as either a foliar spray or soil drench using any type of sprayer (hand, hydraulic, air blast) or irrigation method (overhead, overhead boom, drip)



APPLICATION RATES

FOLIAR SPRAY

FIELD GROWN PLANTS*

- 2.25-4.5 L/ha
- Use water for adequate coverage or as required by tank mix partner material

GREENHOUSE, NURSERY, LANDSCAPE AND HIGH TUNNEL*

- 250 ml-2.0 L/100 L, 2.5 ml - 20 ml/L
- Can be applied every 15 days

*Repeat applications up to 6 times

DRENCH

GREENHOUSE, NURSERY, LANDSCAPE AND HIGH TUNNEL

- 250 ml-2.5 L/100 L, 2.5 ml - 25 ml/L

DIP

FIELD GROWN, GREENHOUSE, NURSERY, LANDSCAPE OR HIGH TUNNEL

- Apply as a pre-plant root dip or as a seed drench using a 1% v/v rate

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.

(800) 877-9443 or expert@bioworksinc.com

RESEARCH UPDATE

Short polypeptide chains are the most active; these can only be consistently generated with the enzymatic hydrolysis methods used for creating ON-Gard. Chemical hydrolysis of proteins is less predictable.